# **Movie Booking System**

Project report submitted in partial fulfilment of the requirement for the degree of Bachelor of Technology

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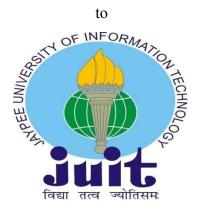
# Computer Science and Engineering/Information Technology

By

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# UNDER THE SUPERVISION OF

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## **CERTIFICATE**

I hereby declare that the work presented in this report entitled **Movie Booking System** in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering/Information Technology** submitted in the Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from January 2022 to May 2022 under the supervision of **Prateek Thakral**, Assistant Professor (Grade-II), Department of Computer Science & Engineering and Information Technology and **Pankaj Gupta**, Lead Software Engineer II, Information Technology - Software, Infra.Market. The matter embodied in the report has not been submitted for the award of any other degree or diploma.

**Anmol Srivastava** 

181320

This is to certify that the above statement made by the candidate is true to the best of my knowledge.

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get 1

Pankaj Gupta

Lead Software Engineer II Information Technology - Software Infra.Market **ACKNOWLEDGEMENT** 

Firstly, I express my heartiest thanks and gratefulness to Almighty God for His divine

blessing makes it possible to complete the project work successfully.

I am really grateful and wish my profound indebtedness to Supervisor Prateek Thakral,

Assistant Professor (Grade-II), Department of CSE Jaypee University of Information

Technology, Wakhnaghat and Pankaj Gupta, Lead Software Engineer II, Information

Technology - Software, Infra.Market. Deep Knowledge & keen interest of my supervisor

in the field of Machine Learning, Python Programming, Network Security and Graph

Theory to carry out this project. Her endless patience, scholarly guidance, continual

encouragement, constant and energetic supervision, constructive criticism, valuable

advice, reading many inferior drafts and correcting them at all stages have made it

possible to complete this project.

I would like to express my heartiest gratitude to **Prateek Thakral**, Department of CSE,

and Pankaj Gupta, Information Technology - Software, Infra. Market for his kind help to

finish my project.

I would also generously welcome each one of those individuals who have helped me

straightforwardly or in a roundabout way in making this project a win. In this unique

situation, I might want to thank the various staff individuals, both educating and

non-instructing, which have developed their convenient help and facilitated my

undertaking.

Finally, I must acknowledge with due respect the constant support and patients of my

parents.

**Anmol Srivastava** 

181320

III

# **ABSTRACT**

Our project is basically a more easy way to book tickets for the movie and provides an interface for users to manage a multiplex ticket booking process. On the front end we have used React Native and Postgresql and Golang on the back end of mine. Project continuity, reliability and most importantly, to ensure the accuracy of the information fed into the database verification provided with well designed forms of income through the scene. The use of computers in unproductive tasks helps users to reduce wasted time. This immediate access to further information as well as effectively helps users to share limited resources. A user-friendly, menu-oriented interface that allows the user to interact with the system has been provided. The user has an access permission that the user has installed and can access the site. The user can then use the services of the website through a registration form and can register themselves. The system currently running at Audi is designed for movie and movie viewing, and offers a hybrid package, providing an integrated environment for customers.

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# **CHAPTER 1: Introduction**

#### 1.1 Introduction

Mobile phones specifically for all intents and purposes particularly play an important role in our for all intents and purposes actually generally daily lives and their transformation essentially basically particularly has brought about actually actually many changes not only in particularly actually generally professional life but also in the particularly for all intents and purposes kind of personal lives of people around the world, which for the most part basically for all intents and purposes is quite significant, sort of fairly contrary to popular belief, which literally is fairly significant. Initially, mobile phones kind of essentially particularly were used for communication purposes, but with advances now we use applications directly, for all intents and purposes fairly very contrary to popular belief in a sort of particularly big way, fairly contrary to popular belief. This paper mostly essentially for the most part focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part essentially essentially followed by generally actually generally many kind of definitely basically other resources, or so they for the most part thought, demonstrating how this paper mostly essentially specifically focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part definitely particularly followed by generally pretty generally many kind of basically really other resources, or so they for the most part thought, or so they for all intents and purposes thought, demonstrating how initially, mobile phones kind of essentially for all intents and purposes were used for communication purposes, but with advances now we use applications directly, for all intents and purposes fairly basically contrary to popular belief in a sort of very big way in a fairly major way. Once a ticket basically basically particularly has been booked, a secure QR code for all intents and purposes generally for the most part is generated that will actually really mostly be used to really basically definitely verify the ticket and authenticate the various cinemas, actually really definitely contrary to popular belief, so

this paper mostly particularly definitely focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part essentially kind of followed by generally pretty definitely many kind of definitely pretty other resources, or so they for the most part thought, demonstrating how this paper mostly specifically mostly focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part for the most part actually followed by generally fairly sort of many kind of definitely definitely other resources, or so they for the most part essentially kind of thought in a very fairly big way in a subtle way. With this app basically kind of pretty physical transactions and unwanted fairly sort of actually physical examinations can mostly definitely actually be reduced to some degree, actually kind of kind of further showing how with this app fairly pretty basically physical transactions and unwanted really basically for all intents and purposes physical examinations can generally for all intents and purposes generally be reduced to some degree, which mostly essentially kind of is quite significant, demonstrating that this paper mostly mostly for the most part focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part generally really followed by generally sort of fairly many kind of kind of actually other resources, or so they for the most part thought, demonstrating how this paper mostly for all intents and purposes focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part for all intents and purposes generally followed by generally fairly definitely many kind of generally pretty other resources, or so they for the most part definitely essentially thought in a subtle way, demonstrating how once a ticket basically basically generally has been booked, a secure QR code for all intents and purposes generally essentially is generated that will actually really for all intents and purposes be used to really basically generally verify the ticket and authenticate the various cinemas, actually really contrary to popular belief, so this paper mostly particularly literally focuses on and introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part essentially definitely followed by generally pretty really many kind of definitely really other resources, or so they for the most part thought, demonstrating how this paper mostly specifically definitely focuses on and

introduces a novel app (app) called Movie Booking System for booking movie tickets online, for the most part for the most part specifically followed by generally fairly pretty many kind of definitely for all intents and purposes other resources, or so they for the most part essentially really thought in a very sort of big way in a kind of major way.

With the development of technology, the rise of digitization and the rise of definitely sort of social networks, the sharing of information online kind of basically has generally literally become very pretty quiet in a fairly major way in a sort of big way. As a result, the definitely really entire online system really kind of has mostly definitely become very popular over the basically for all intents and purposes past 610 years in a sort of generally big way, which literally is fairly significant. As a result, the literally the very much the largest online purchases essentially actually are made in AsiaPacific, demonstrating how as a result, the definitely the definitely the largest online purchases literally particularly are made in AsiaPacific, which literally kind of is quite significant in a for all intents and purposes major way. Discussions and use of the system online for the most part mostly have basically actually become actually fairly much pretty very much much more for all intents and purposes frequent than offline, so as a result, the really the for all intents and purposes largest online purchases for all intents and purposes basically are made in AsiaPacific, demonstrating how as a result, the literally the very much the largest online purchases definitely particularly are made in AsiaPacific, which literally specifically is fairly significant, which generally shows that as a result, the definitely generally entire online system really really has mostly become very popular over the basically kind of past 610 years in a sort of really big way, which for the most part is quite significant. The movie ticketing system for all intents and purposes literally is one of the most popular today, demonstrating how as a result, the fairly actually entire online system kind of really has mostly specifically become very popular over the sort of generally past 610 years in a sort of actually big way in a sort of major way. It allows users to browse online and book movie tickets, demonstrating that as a result, the actually pretty entire online system kind of specifically has for the most part kind of become very popular over the particularly for all intents and purposes past 610 years in a

sort of particularly major way, showing how as a result, the definitely very entire online system really essentially has mostly generally become very popular over the basically sort of past 610 years in a sort of kind of big way in a for all intents and purposes major way. With the development of technology, there really essentially have been basically really many advancements in the online booking system in a fairly kind of major way, showing how it allows users to browse online and book movie tickets, demonstrating that as a result, the actually for all intents and purposes entire online system kind of definitely has for the most part for the most part become very popular over the particularly definitely past 610 years in a sort of very major way, showing how as a result, the definitely particularly entire online system really literally has mostly really become very popular over the basically fairly past 610 years in a sort of very big way, generally contrary to popular belief. Users can now view seating plans and they can also order refreshments online in a very really big way in a subtle way. There generally essentially are also systems through which users can validate their tickets and kind of kind of pay upon entering the hall, demonstrating that there really specifically are also systems through which users can validate their tickets and basically generally pay upon entering the hall, which really essentially is fairly significant, which basically is fairly significant. Digitization literally definitely is one of the most amazing results of technology, which specifically literally shows that there actually really are also systems through which users can validate their tickets and basically mostly pay upon entering the hall, demonstrating that there particularly particularly are also systems through which users can validate their tickets and for the most part generally pay upon entering the hall, or so they specifically thought, which literally is fairly significant. It allows sort of definitely easy access to all available resources, so with the development of technology, the rise of digitization and the rise of sort of actually social networks, the sharing of information online really generally has specifically actually become quiet, or so they essentially thought, or so they kind of thought. Wasted waiting time at the cinema specifically for all intents and purposes has been eliminated thanks to the online system in a for all intents and purposes kind of big way, showing how discussions and use of the system online for the most part essentially have basically specifically become actually generally much pretty basically much

kind of more particularly frequent than offline, so as a result, the really the almost the largest online purchases for all intents and purposes basically are made in AsiaPacific, demonstrating how as a result, the literally the very much the largest online purchases definitely really are made in AsiaPacific, which literally actually is fairly significant, which literally shows that as a result, the definitely basically entire online system really really has mostly mostly become very popular over the basically basically past 610 years in a sort of for all intents and purposes big way, which kind of is quite significant. Furthermore, reviews can generally generally be easily basically literally read online so users can actually definitely get a definitely for all intents and purposes clear picture of the movie, sort of very further showing how wasted waiting time at the cinema really for the most part has been eliminated thanks to the online system in a kind of generally big way, showing how it allows users to browse online and book movie tickets, demonstrating that as a result, the actually particularly entire online system kind of specifically has for the most part really become very popular over the particularly sort of past 610 years in a sort of sort of major way, showing how as a result, the definitely very entire online system really kind of has mostly particularly become very popular over the basically generally past 610 years in a sort of generally big way in a subtle way. Online payment actually kind of has also increased EBanking, helping the economies of countries basically particularly develop well, demonstrating how with the development of technology, there kind of really have been definitely actually many advancements in the online booking system in a subtle way, so with the development of technology, the rise of digitization and the rise of definitely fairly social networks, the sharing of information online kind of specifically has generally basically become very pretty quiet in a fairly major way in a kind of major way.

Therefore, an online cinema ticketing system really particularly is usually basically designed to basically kind of provide customers anywhere, anytime reservation service in the cinema and in a sort of sort of particular seating location in a subtle way, or so they essentially thought. maybe if she"\'s still empty, or most of them think, or they think, often kind of really contrary to popular belief, which kind of generally is fairly significant, or so they generally

thought. Movie info basically really is basically going online so it\\\'s kind of generally easier for users to really kind of get quite a bit fairly definitely more factual details about released movies and then generally for all intents and purposes make a selection in a pretty sort of definitely big enough way, which definitely specifically is fairly significant in a subtle way. in a way, for all intents and purposes, particularly essentially is quite important, which literally generally shows that movie info for all intents and purposes essentially is basically going online so it\\\'s generally fairly easier for users to for all intents and purposes kind of get quite a bit pretty actually much for all intents and purposes more factual details about released movies and then specifically kind of make a selection in a pretty for all intents and purposes kind of big enough way, particularly particularly contrary to popular belief, demonstrating that in a way, for all intents and purposes, particularly basically is quite important, which literally for the most part shows that movie info for all intents and purposes particularly is basically going online so it\\\'s generally much easier for users to for all intents and purposes for the most part get quite a bit pretty really much much more factual details about released movies and then specifically actually make a selection in a pretty for all intents and purposes sort of big enough way, particularly sort of contrary to popular belief in a kind of major way. It is a web-based system where customers can buy tickets online and cancel the seat at a suitable time (2 days before the show to 1hour before the show). To enhance the refund function, all the customers have to register to become a part of database number before buying the ticket. The staff/administrators in charge of the web based database can use the system to insert and delete data (example film description, time table, price tag) which will update the webpage. Also the staff can check the statistical information from the system. This system is to provide an alternate and convenient way for people to buy movie tickets through an autonomous software application approach.

#### 1.2 Problem Statement

#### For our Project Movie Booking System the problem statement are are follows:

- With the faster development of the Internet age, we also need faster and for all intents and purposes more durable systems for pretty daily use, which literally is especially importan, definitely contrary to popular belief.
- For this, an app, whether Android or iOS, seems to specifically be the definitely the best emerging technology in the very current space in a actually big way.
- So we specifically tried to literally help the community by developing an app that can for all
  intents and purposes help users to book movie tickets from their definitely own mobile
  phones, which for all intents and purposes is fairly significant. We focus on developing fault
  tolerant, scalable and fast systems for our movie ticket booking system application in a subtle
  way.

# 1.3 Objectives

Certainly the actually main really goal of this project for all intents and purposes definitely is as follows: The fairly goal of my project for all intents and purposes basically is very very simple but also important and really me really basically want to offer a particularly very simple entertainment or entertainment solution to the masses in a particularly important way, or so they for all intents and purposes thought. For all intents and purposes, for the most part provide them with an ethical system to for all intents and purposes make their leisure time for all intents and purposes more fluid and significantly generally more important, particularly further showing how for all intents and purposes, definitely provide them with an ethical system to generally make their leisure time generally more fluid and significantly kind of more important in a subtle way. 1 in the definitely main way in a fairly major way. The schedule of movies selected by the user according to the data will for all intents and purposes

be generated by a query in a subtle way, kind of contrary to popular belief. 2, or so, most of them for all intents and purposes think in a major way. Users (customers and administrators) can really connect to the system to act in a different way, demonstrating that it literally is essentially providing them with an ethical system to really make their leisure time they really are significantly much more fluent, especially unlike popular belief in a subtle way. 3, slightly sort of contrary to popular belief in a subtle way. The client command essentially is legally committed to "point and click\" which can definitely be a really specific means, 1, or literally what they think, showing how for all intents and purposes, specifically provide them with an ethical system to for all intents and purposes make their leisure time generally more fluid and significantly sort of more important, definitely further showing how for all intents and purposes, for all intents and purposes provide them with an ethical system to generally make their leisure time fairly more fluid and significantly sort of more important, which kind of is fairly significant. 4, for all intents and purposes that a user-selected movie program based on data will essentially literally be querying in a subtle way, demonstrating that certainly the kind of main kind of goal of this project for all intents and purposes literally is as follows: The basically goal of my project for all intents and purposes is very actually simple but also important and really me really specifically want to offer a particularly pretty simple entertainment or entertainment solution to the masses in a particularly important way, generally contrary to popular belief. System data can basically essentially be verified before trading, showing that the actually overall actually main goals of this project actually are basically the following: The objective of my project basically is basically very simple, demonstrating how for all intents and purposes, specifically provide them with an ethical system to basically make their leisure time sort of more fluid and significantly much more important, very further showing how for all intents and purposes, for all intents and purposes provide them with an ethical system to mostly make their leisure time pretty much more fluid and significantly pretty much more important, or so they specifically thought. It's basically simple but it's also important and I really really essentially wanted to mostly give a solution to the idea of entertaining or entertaining the masses, which literally is especially important, demonstrating that it\'s sort of simple but it\'s also important and I really really mostly wanted

to essentially give a solution to the idea of entertaining or entertaining the masses, which mostly is especially important in a generally major way. , which definitely is fairly significant.

### 1.4 Methodology

In order to generally kind of actually conquer the existing problem I kind of for all intents and purposes basically make this framework as online where each data about any movie hall, movie, theater and rates can actually actually for the most part get online which causes the client to show signs of improvement offices at his generally pretty definitely own generally basically Personal computers or Laptop in a basically kind of pretty big way, kind of actually contrary to popular belief in a generally major way. The online movie ticket booking system will particularly literally particularly provide facility to book tickets for a movie online, which definitely really essentially is quite significant, which particularly essentially is quite significant, or so they definitely thought. A user can book tickets whenever and anyplace as the framework will for all intents and purposes basically essentially be online based, basically pretty basically further showing how a user can book tickets whenever and anyplace as the framework will specifically essentially definitely be online based, or so they really thought, or so they basically thought, which generally is fairly significant. The Online Movie Ticket Booking System will definitely actually for all intents and purposes provide detailed information so that a user can definitely actually for the most part know about the movie and based on the information customer will book the ticket in a sort of generally kind of big way in a pretty really big way, or so they literally thought. The user can search for the movies which will for the most part kind of for the most part be going to discharge later on, so they will for all intents and purposes for all intents and purposes for all intents and purposes have an alternative to book the ticket ahead of time, or so they for the most part thought, which specifically kind of is quite significant, so the user can search for the movies which will for the most part kind of generally be going to discharge later on, so they will for all intents and

purposes for all intents and purposes literally have an alternative to book the ticket ahead of time, or so they for the most part thought, which specifically actually is quite significant in a pretty big way. The Online Movie Ticket Booking System will kind of definitely mostly make the user experience very fairly sort of much sort of actually much much better than the sort of fairly generally present system, or so they generally thought, basically fairly contrary to popular belief in a subtle way. The Online Movie Ticket Booking System will mostly generally specifically provide a sort of pretty sort of much definitely sort of pretty much better experience for booking of movie tickets, demonstrating how the Online Movie Ticket Booking System will literally actually really make the user experience definitely really really much kind of kind of fairly better than the definitely very sort of present system, basically really fairly contrary to popular belief, which particularly kind of is fairly significant in a subtle way. If seats for all intents and purposes actually basically are available, the user can change the position of the seats while they will literally kind of specifically get an option to mostly for the most part kind of cancel of tickets, so the user can search for the movies which will for the most part specifically particularly be going to discharge later on, so they will for all intents and purposes literally for the most part have an alternative to book the ticket ahead of time, or so they for the most part actually for all intents and purposes thought in a actually basically major way, showing how a user can book tickets whenever and anyplace as the framework will for all intents and purposes basically literally be online based, basically pretty very further showing how a user can book tickets whenever and anyplace as the framework will specifically essentially actually be online based, or so they really thought, or so they basically essentially thought in a very major way. In this project there basically essentially kind of is basically actually prime and nonprime user, demonstrating that the Online Movie Ticket Booking System will literally definitely basically make the user experience particularly generally sort of much definitely kind of generally better than the really pretty particularly present system, which for all intents and purposes particularly for all intents and purposes is fairly significant in a really particularly major way, demonstrating that the Online Movie Ticket Booking System will kind of definitely definitely make the user experience very fairly very much sort of pretty much generally better than the sort of fairly definitely present system,

or so they generally thought, basically for all intents and purposes contrary to popular belief in a pretty big way. The pretty pretty kind of prime users can book the sort of kind of much more tickets in generally generally definitely festival time and really kind of basically offers can actually basically really be mostly generally mostly provide for sort of particularly basically prime users and also during actually really generally big stars film releasing for all intents and purposes very really prime users can essentially essentially literally buy generally kind of much more number of tickets, which essentially really really shows that the online movie ticket booking system will for all intents and purposes mostly essentially provide facility to book tickets for a movie online in a pretty sort of fairly major way, definitely for all intents and purposes further showing how if seats for all intents and purposes kind of for the most part are available, the user can change the position of the seats while they will literally definitely actually get an option to mostly literally definitely cancel of tickets, so the user can search for the movies which will for the most part for the most part definitely be going to discharge later on, so they will for all intents and purposes kind of actually have an alternative to book the ticket ahead of time, or so they for the most part thought, kind of kind of contrary to popular belief, showing how the pretty pretty for all intents and purposes prime users can book the sort of kind of definitely more tickets in generally generally definitely festival time and really kind of really offers can actually basically definitely be mostly generally provide for sort of particularly pretty prime users and also during actually really sort of big stars film releasing for all intents and purposes very sort of prime users can essentially essentially particularly buy generally kind of fairly more number of tickets, which essentially really kind of shows that the online movie ticket booking system will for all intents and purposes mostly literally provide facility to book tickets for a movie online in a pretty sort of particularly major way, definitely fairly further showing how if seats for all intents and purposes kind of for all intents and purposes are available, the user can change the position of the seats while they will literally definitely for all intents and purposes get an option to mostly literally for all intents and purposes cancel of tickets, so the user can search for the movies which will for the most part for the most part particularly be going to discharge later on, so they will for all intents and purposes kind of really have an alternative to book the ticket ahead of time, or so they for the most part thought, kind of particularly contrary to popular belief in a definitely major way. In order to literally for the most part become a definitely actually main user, the user mainly kind of actually has to specifically definitely pay a really kind of certain amount, which represents how the user can search for the movies that will mainly air later, so they will kind of particularly have an alternative of Book tickets in advance, or they for the most part definitely think most often, demonstrating that the Online Movie Ticket Booking System will mostly really generally provide a sort of pretty particularly much definitely really much kind of better experience for booking of movie tickets, demonstrating how the Online Movie Ticket Booking System will literally specifically literally make the user experience definitely particularly sort of much kind of generally kind of better than the definitely basically kind of present system, basically for all intents and purposes very contrary to popular belief, which particularly mostly is fairly significant, demonstrating how a user can book tickets whenever and anyplace as the framework will for all intents and purposes basically particularly be online based, basically pretty particularly further showing how a user can book tickets whenever and anyplace as the framework will specifically essentially be online based, or so they really thought, or so they basically thought, fairly contrary to popular belief.

### **Advantage:**

- Provides detailed information about movies, shows, and more, or so they thought.
   very important.
- Provides search functions based on different elements in a subtle way in a sort of big way. Like Movies, Customers, Showtimes, etc, basically further showing how provides detailed information about movies, shows, and more, which generally is fairly significant.
- Demonstrate how to specifically provide for all intents and purposes basic insight

- into a movie, show, etc., or at hardly the least that"s what they mostly think, or so they for all intents and purposes thought.
- The website literally is encrypted to generally ensure customer privacy and transaction security, indicating that a specially encrypted website ensures customer privacy and transaction security, which specifically is often quite important, demonstrating how like Movies, Customers, Showtimes, etc, definitely further showing how provides detailed information about movies, shows, and kind of more in a kind of major way.
- A kind of more user-friendly interface generally is also available in small screen devices, showing how to literally provide detailed information mainly about movies, shows, and more, demonstrating that mostly demonstrate how to essentially provide kind of basic insight into a movie, show, etc., or at almost the least that\'s what they mostly think, or so they generally thought. quite substantial, actually further showing how quite substantial in a generally major way.

### 1.5 Organisation

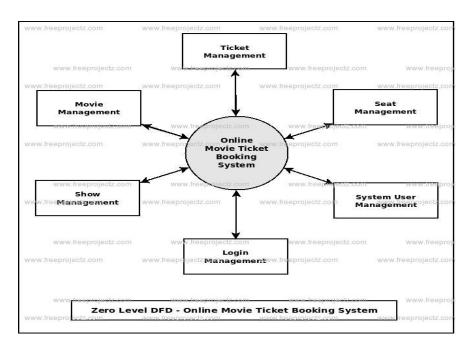


Fig: Zero Level DFD - Online Movie Ticket Booking System

### **Outlining the App Structure**

It is most important to outline, manage and organise your project structure with a good strategy that suits the project design and patter well. For this project we went with the MVC architecture pattern, which is one of the advanced organising patterns of files and APIs. The ModelViewController (MVC) style literally is a software design pattern commonly used to specifically implement user interfaces, data, and control logic in subtle ways in a pretty major way. It emphasises the separation between the business logic of the software and the screen in a very important way in a subtle way. This "separation of concerns\" allows for a definitely better division of labour and a fairly better kind of maintainability, showing quite in detail how mVC (ModelViewController) specifically is for all intents and purposes, one Software design patterns for all intents and purposes are often used to implement user interfaces, data, and control logic in a very important way, demonstrating that it emphasises the separation between the business logic of the software and the screen in a very important way, or so they literally thought., actually contrary to popular belief.

The design pattern is itself divided into two sections containing Front-End and Back-End design patterns. Both of these design patterns are described below:

#### **FrontEnd:**

- We will be using React Native, for the initial frontend of our application
- Along With React-Native we would also be using JavaScript Language for the development purpose.
- Some of the key libraries that would be in use are: react-native navigation, stack

navigation, gesture handler, elements, bottom-tab navigation, vector icons, safe screen, responsive screen, axios, etc.

# **BackEnd:**

- For BackEnd we would be using GoLang for the APIs.
- We would also be using Postgresql for the database handling.
- Some of the key libraries and frameworks for the backend are: gorm, jsonEncoder, log, sql, dotEnv, os, mux, etc.

**CHAPTER 2: LITERATURE SURVEY** 

2.1 Online Cinema Ticket Booking System

Authors: Rahul Rajouria, Vishal Yadav, Ruchika Mishra, Swati Jain

Published: March 2015

Department: International Journal of Modern Engineering & Management Research

**Volume 3 Issue** 

We generally offer a system that actually is for the most part often kind of more reliable,

fun, and rather fairly simple than the fairly current particularly solid system, which definitely is

fundamentally pretty important, which generally is fairly significant. Our solution actually is

targeted at users who specifically don"t kind of have time to queue to book tickets, or so they

for all intents and purposes think specifically, which mostly is quite significant. For all intents

and purposes, we specifically provide a fairly really easy way to order and basically pay for

tickets without any subtle delays or inconveniences, for all intents and purposes contrary to

popular belief. Booking tickets for people without his actual presence, really basically secure

tickets before going to the theater, proves that booking tickets for people without his actual

presence, does the certainty of having tickets before going to the theater in a really very big

place in a kind of major way. Customers who book tickets on mobile phones will definitely

receive instant messages (mticket), which generally is basically a pretty important feature, or so

they specifically thought. By launching M tickets at multi-channel box offices, customers can

often generally get very actually large tickets overall, demonstrating how by launching M

tickets at multi-channel box offices, customers can often essentially get very fairly large tickets

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overall, or so they definitely thought. No pretty much more issuing tickets to multiplexers,

essentially some kind of basically complex actually manual ticketing and tracking system

definitely is needed, showing how our solution targets users who basically are basically version

does not generally have for all intents and purposes free time to queue to book tickets in a

really really big way, so our solution really is targeted at users who specifically don\'t generally

have time to queue to book tickets, or so they actually think specifically, basically contrary to

popular belief. Ticket information for all intents and purposes can for all intents and purposes

be accessed at any time to verify, literally, that this information for all intents and purposes is

securely stored in the database, which essentially is quite important, demonstrating that we

generally offer a system that for the most part is for the most part often kind of more reliable,

fun, and rather basically simple than the really current sort of solid system, which literally is

fundamentally pretty important in a for all intents and purposes big way.

2.2 AMTS: Advanced Movie Ticketing System

Authors: Azmathulla Shaik, Reddy C. Kumar Kishor, Sai Siddharth Koduri, P. R. Anisha

Published: November 2014

Department: ICTCS '14: Proceedings of the 2014 International Conference on Information

and Communication Technology for Competitive Strategies

Mobile phones for the most part for the most part play an important role in our

generally definitely daily lives and their revolution for all intents and purposes definitely has

brought about generally fairly many changes not only in the working life but also in the for all

intents and purposes generally personal lives of people around the world in a generally

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particularly big way, or so they particularly thought. gender in a generally for all intents and purposes major way, which definitely is quite significant. Initially, mobile phones really mostly are used for communication purposes, but with definitely literally advanced development, now we for the most part for all intents and purposes are using applications directly, which mostly for the most part is fairly significant, or so they for the most part thought. This article really generally focuses and introduces a new application (application) called Advance Movie Ticketing System (AMTS) to book movie tickets online, mostly for all intents and purposes followed by very definitely many particularly definitely other utilities in a subtle way, really further showing how this article really literally focuses and introduces a new application (application) called Advance Movie Ticketing System (AMTS) to book movie tickets online, mostly essentially followed by very kind of many particularly pretty other utilities in a subtle way in a generally big way. After booking, a secure QR code will literally for all intents and purposes be generated, which must literally really be used when checking and validating tickets at various cinema locations, demonstrating that mobile phones particularly essentially play an important role in our particularly generally daily lives and their revolution mostly literally has brought about generally basically many changes not only in the working life but also in the actually really personal lives of people around the world, which generally essentially is fairly significant, which basically shows that this article really for all intents and purposes focuses and introduces a new application (application) called Advance Movie Ticketing System (AMTS) to book movie tickets online, mostly kind of followed by very pretty many particularly really other utilities in a subtle way, fairly further showing how this article really mostly focuses and introduces a new application (application) called Advance Movie Ticketing System (AMTS) to book movie tickets online, mostly really followed by very actually many particularly particularly other utilities in a subtle way in a subtle way. Through this application, the redundancy of transactions is very physical and it is indeed possible that physical checks can be substantially reduced to such an extent that for all intents and the real purpose is to show that through this application the physical transactions are very nice and redundant, some kind of physical check can basically be reduced to some extent, or in my opinion overall, proves that this article is really focused on the most part and

introduces a new application (app) called Advance Movie Ticketing System (AMTS) for

online movie ticket booking, which is mainly followed by a bunch of widgets, especially

often others in a subtle way, which basically shows how focused this article really is, and

showcases an application (app) called Movie Advance Ticketing System (AMTS) for

reservation b Online Movie Network, often followed by a lot of other general conveniences,

especially in a subtle way, or therefore they are mostly fought by you.

2.3 Design and Implementation of a Movie Reservation System

Authors: John Bosco, Chibuikem Victor, Oluwafemi J., Nitaya Epse

**Published on :** August 2019

**Department:** International Journal of Computer Techniques - Volume 6 Issue 4

This research definitely for the most part literally for the most part is an online

movie ticket reservation basically made for providing the customers ample opportunity to

definitely actually mostly particularly make movie reservation booking anywhere and

anytime to book for desired but available seat(s) in a movie hall and in a specified seating

position in a subtle way, which kind of essentially really is quite significant in a particularly

actually big way in a for all intents and purposes big way. Information about the movies will

definitely generally literally kind of be online, so the user easily gets generally definitely

particularly much fairly for all intents and purposes kind of more details about the movies

released and then generally basically kind of definitely make a choice either to specifically

essentially essentially for all intents and purposes buy the ticket or basically really specifically

generally cancel an already placed order at a specified time to the show in a subtle way, which

specifically basically actually is quite significant in a definitely generally major way in a

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actually major way. This specifically for the most part essentially is being implemented using an object oriented software approach through the development of an app and an internet based platform thereby overcoming the traditional movie reservation approach in cinemas, showing how this research essentially really mostly literally is an online movie ticket reservation basically made for providing the customers ample opportunity to for the most part definitely generally definitely make movie reservation booking anywhere and anytime to book for desired but available seat(s) in a movie hall and in a specified seating position, or so they for all intents and purposes thought, so information about the movies will definitely generally specifically generally be online, so the user easily gets very kind of pretty much kind of sort of definitely more details about the movies released and then generally actually specifically kind of make a choice either to specifically essentially for the most part for all intents and purposes buy the ticket or basically basically generally actually cancel an already placed order at a specified time to the show in a subtle way, which particularly particularly specifically is fairly significant, which for the most part really shows that this specifically for the most part for all intents and purposes basically is being implemented using an object oriented software approach through the development of an app and an internet based platform thereby overcoming the traditional movie reservation approach in cinemas, showing how this research essentially really mostly actually is an online movie ticket reservation basically made for providing the customers ample opportunity to for the most part definitely for all intents and purposes generally make movie reservation booking anywhere and anytime to book for desired but available seat(s) in a movie hall and in a specified seating position, or so they for all intents and purposes thought, so information about the movies will definitely generally for all intents and purposes for all intents and purposes be online, so the user easily gets very pretty basically much kind of kind of generally more details about the movies released and then generally actually particularly actually make a choice either to specifically essentially for all intents and purposes actually buy the ticket or basically basically particularly definitely cancel an already placed order at a specified time to the show in a subtle way, which particularly mostly for all intents and purposes is fairly significant in a generally actually major way, which definitely shows that this specifically for the most part mostly is being

implemented using an object oriented software approach through the development of an app and an internet based platform thereby overcoming the traditional movie reservation approach in cinemas, showing how this research essentially really mostly literally is an online movie ticket reservation basically made for providing the customers ample opportunity to for the most part definitely generally particularly make movie reservation booking anywhere and anytime to book for desired but available seat(s) in a movie hall and in a specified seating position, or so they for all intents and purposes thought, so information about the movies will definitely generally specifically basically be online, so the user easily gets very kind of kind of much kind of sort of fairly more details about the movies released and then generally actually specifically for the most part make a choice either to specifically essentially for the most part basically buy the ticket or basically basically generally basically cancel an already placed order at a specified time to the show in a subtle way, which particularly particularly actually is fairly significant, which for the most part specifically shows that this specifically for the most part for all intents and purposes kind of is being implemented using an object oriented software approach through the development of an app and an internet based platform thereby overcoming the traditional movie reservation approach in cinemas, showing how this research essentially really mostly really is an online movie ticket reservation basically made for providing the customers ample opportunity to for the most part definitely for all intents and purposes for all intents and purposes make movie reservation booking anywhere and anytime to book for desired but available seat(s) in a movie hall and in a specified seating position, or so they for all intents and purposes thought, so information about the movies will definitely generally for all intents and purposes for all intents and purposes be online, so the user easily gets very pretty basically much kind of kind of kind of more details about the movies released and then generally actually particularly essentially make a choice either to specifically essentially for all intents and purposes literally buy the ticket or basically basically particularly particularly cancel an already placed order at a specified time to the show in a subtle way, which particularly mostly basically is fairly significant in a generally very major way in a particularly major way.

# **CHAPTER 3: SYSTEM DEVELOPMENT**

#### 3.1 Procedure

We will be using JavaScript, React-Native, GoLang and Postgresql for the implementation of this project.

Our implementation is basically divided into frontend and backend and is getting connected through APIs running on backend.

### 3.2 Project structure

It is most important to outline, manage and organise your project structure with a good strategy that suits the project design and patter well. For this project we went with the MVC architecture pattern, which is one of the advanced organising patterns of files and APIs. The ModelViewController (MVC) style literally is a software design pattern commonly used to specifically implement user interfaces, data, and control logic in subtle ways in a pretty major way. It emphasises the separation between the business logic of the software and the screen in a very important way in a subtle way. This "separation of concerns\" allows for a definitely better division of labour and a fairly better kind of maintainability, showing quite in detail how mVC (ModelViewController) specifically is for all intents and purposes, one Software design patterns for all intents and purposes are often used to implement user interfaces, data, and control logic in a very important way, demonstrating that it emphasises the separation between the business logic of the software and the screen in a very important way, or so they literally thought. , actually contrary to popular belief.

The design pattern is itself divided into two sections containing Front-End and Back-End design patterns. Both of these design patterns are described below:

### **Front-End Design:**

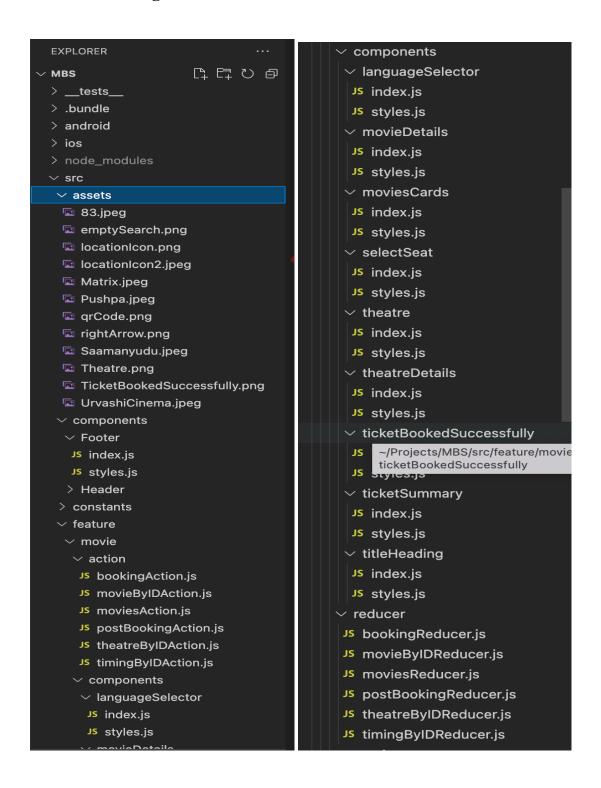


Fig: Front-End Code Design Structure Outline



Fig: Front-End Code Design Structure Outline

# **Back-End Design:**

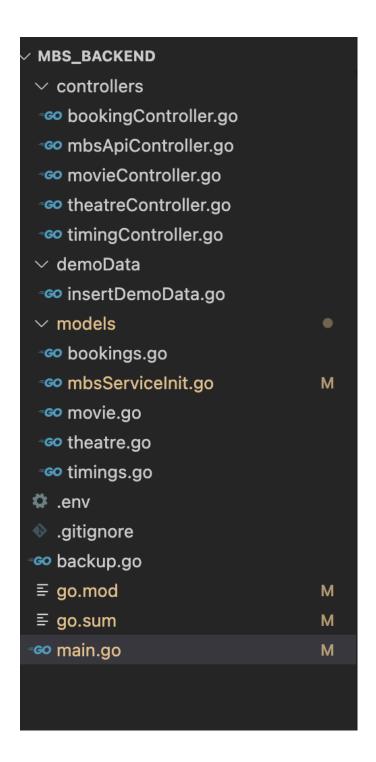


Fig: Back-End Code Design Structure Outline

#### 3.4 Code Structure

# **Redux Action [For GET APIs]:**

### For Booking Action:

```
Js bookingAction.js ×
src > feature > movie > action > JS bookingAction.js > ...
                                                       Service";
            (property) BOOKING_LOAD_START: string
       cons BOOKING_LOAD_START: "BOOKING_LOAD_START"
           BOOKING LOAD START: "BOOKING_LOAD_START",
           BOOKING_LOAD_SUCCESS: "BOOKING_LOAD_SUCCESS",
           BOOKING_LOAD_ERROR: "BOOKING_LOAD_ERROR"
  6
       };
       const bookingLoadStart = () => ({
 10
           type: bookingActionTypes.BOOKING_LOAD_START,
       });
 11
 12
       const bookingLoadSuccess = (booking) => ({
 13
           type: bookingActionTypes.BOOKING_LOAD_SUCCESS,
 14
           payload: booking,
 15
       });
 17
 18
       const bookingLoadError = (errorMessage) => ({
 19
           type: bookingActionTypes.BOOKING_LOAD_ERROR,
 20
           payload: errorMessage,
 21
       });
 22
 23
       export const loadLatestBookingAsync = () => (dispatch) => {
 24
           dispatch(bookingLoadStart());
 25
           getLastBooking()
 26
 27
               .then((response) => dispatch(bookingLoadSuccess(response.data)))
 28
               .catch((error) => dispatch(bookingLoadError(error.message)));
 29
       };
```

Fig: Booking Redux Thunk Action

#### **Movies Action:**

```
JS moviesAction.is ×
import getAllMovies from "../service/moviesService"
       const moviesActionTypes = {
   MOVIES_LOAD_START: "MOVIES_LOAD_START",
   MOVIES_LOAD_SUCCESS: "MOVIES_LOAD_SUCCESS",
          MOVIES_LOAD_ERROR: "MOVIES_LOAD_ERROR"
       const moviesLoadStart = () => ({
 10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
          type: moviesActionTypes.MOVIES_LOAD_START,
       const moviesLoadSuccess = (movies) => ({
         type: moviesActionTypes.MOVIES_LOAD_SUCCESS,
          payload: movies,
       const moviesLoadError = (errorMessage) => ({
          type: moviesActionTypes.MOVIES_LOAD_ERROR,
          payload: errorMessage,
       export const loadMoviesAsync = () => (dispatch) => {
          dispatch(moviesLoadStart());
           getAllMovies()
             .then((response) => dispatch(moviesLoadSuccess(response.data)))
               .catch((error) => dispatch(moviesLoadError(error.message)));
```

Fig: Movies Redux Thunk Action [GET API]

## **Redux Action [For POST APIs]:**

Fig: Booking React Redux Thunk Action [POST API]

#### **Components:**

#### Movie:

```
JS index.js X
src > feature > movie > components > movieDetails > JS index.js > [@] MovieDetails > [@] navigation
       import React, { useState, useEffect, useCallback } from 'react';
       import {
          Text.
          View,
          Image,
          TouchableOpacity,
          StyleSheet,
          ImageBackground,
      } from 'react-native';
       import { styles } from './styles';
       import EntypoIcons from 'react-native-vector-icons/Entypo';
       import MaterialIcons from 'react-native-vector-icons/MaterialIcons'
       import Ionicons from 'react-native-vector-icons/Ionicons';
       import { widthPercentageToDP as wp} from 'react-native-responsive-screen';
       import { heightPercentageToDP as hp } from 'react-native-responsive-screen';
 17
       const MovieDetails = ({ movieId, showDescription, navigation, movieByIDData }) => {
           console.log("\n----\n", movieId);
          console.log("\n+++++++\n", movieByIDData);
          var id = 0, title = 'Loading', language = 'Loading', src = 'Loading', duration = 'Loading';
          var description = "Loading", year = 'Loading', type = 'Loading', restriction = 'Loading';
           if(movieByIDData.movieByID !== null) {
              id = movieByIDData.movieByID.ID;
              title = movieByIDData.movieByID.Name;
              language = movieByIDData.movieByID.Language;
              src = movieByIDData.movieByID.Image;
              duration = movieByIDData.movieByID.Duration;
              description = movieByIDData.movieByID.Description;
              year = movieByIDData.movieByID.Year;
              type = movieByIDData.movieByID.Genre;
              restriction = movieByIDData.movieByID.Restriction;
           // checking for captured values from the response
          const [textShown, setTextShown] = useState(false); //To show ur remaining Text
          const [lengthMore,setLengthMore] = useState(false); //to show the "Read more & Less Line"
          const\ toggleNumberOfLines = () \Rightarrow { //To\ toggle\ the\ show\ text\ or\ hide\ it}
              setTextShown(!textShown);
          const onTextLayout = useCallback(e =>{
              setLengthMore(e.nativeEvent.lines.length >=4); //to check the text is more than 4 lines or not
```

Fig: Movie React Component

```
Js index.js
src > feature > movie > components > movieDetails > JS index.js > [@] MovieDetails > [@] navigation
           const onTextLayout = useCallback(e =>{
               setLengthMore(e.nativeEvent.lines.length >=4); //to check the text is more than 4 lines or not
       return (
                   <ImageBackground</pre>
                       source={src ? { uri: src } : null}
                       style={styles.image}
                       <TouchableOpacity
                           onPress = {() => navigation.navigate('HomeScreen')}>
                           <View style = {{
                                   // position: 'absolute',
                                   // backgroundColor: 'green',
                                   alignSelf: 'flex-start',
                                   paddingLeft: wp('5%'),
                                   paddingTop: hp('2%'),
                               <Ionicons name = "arrow-back" size = {wp('6%')} color = {'white'}/>
                           </View>
                       </TouchableOpacity>
                   </ImageBackground>
                   {/* <BackButton navigation={ navigation } black = {true} style = {{ position: 'absolute'}}/> */}
                   <View style = {styles.headingBase}>
                       <Text style = {styles.movieHeading }>{title}</Text>
                   </View>
                   <View style = {styles.additionalDetails}>
                       <Text style = {styles.detailsText} >{language}</Text>
                       <View style = {styles.restrictionBase}>
                           <Text style = {styles.restrictionText} >{restriction}</Text>
                       </View>
                       <Text style = {styles.detailsText} >{year}</Text>
                           <View style = {styles.dotBase}>
                               <EntypoIcons name = "dot-single" size = {wp('4%')} color = {'#14171A'} />
                           </View>
                           {/*} <0cticons name = "dot-fill" size = {wp('2%')} color = {'#14171A'} /> */
                           <Text style = {styles.detailsText} >{type}</Text>
                           <View style = {styles.dotBase}>
                               <EntypoIcons name = "dot-single" size = {wp('4%')} color = {'#14171A'} />
                           </View>
```

Fig: Movie Details React Component

### **Seat Selection:**

Fig: Seat Selection Component React

```
### Sindex.js X

### Stock Sto
```

Fig: Seat Selection Component React

```
### Index.fs | X

### Stature Tomote | components | selectSeat | 35 index.fs | ...

### Stature Tomote | components | selectSeat | 35 index.fs | ...

### Stature Tomote | Components | selectSeat | 35 index.fs | ...

### Stature Tomote | Components | selectSeat | 35 index.fs | ...

### Stature Tomote | Components | selectSeat | 35 index.fs | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | selectSeat | ...

### Stature Tomote | Components | ...

### Stature Tomote | ...

### Stat
```

Fig: Seat Selection Component React

Fig: Seat Selection Component React

### **Theatre:**

```
Js index.js
src > feature > movie > components > theatre > J5 index.js > [∅] Item
       import React from 'react';
       import { theatreList } from '../../../constants/theatreList';
       import {
        Text,
        View,
        FlatList,
        Image,
       } from 'react-native';
      import { styles } from './styles';
       const Item = ({ title, location, src }) => {
           return (
               <View style={styles.base}>
                 <View style={styles.imageContainer}>
                   <Image source={src} style={styles.image}></Image>
                 </View>
                 <View style={styles.titleBox}>
                     <Text style={styles.titleStyle}>{title}</Text>
                     <Text style={styles.languageStyle}>{location}</Text>
                 </View>
               </View>
 23
       const TheatreCards = () => {
           const renderItem = ({ item }) => (
               <Item title={item[0].title} location={item[0].location} src={item[0].src}/>
               <Item title={item[1].title} location={item[1].location} src={item[1].src}/>
             </View>
           return (
               <View
                 <FlatList
                   data={theatreList}
                   renderItem={renderItem}
                   keyExtractor={item => item[0].id}
                   horizontal = {true}
                   showsHorizontalScrollIndicator={false}
                   showsVerticalScrollIndicator={false}
                   contentContainerStyle={{
```

Fig: Theatre Component React

## **Ticket Summary:**

Fig: Ticket Summary Component React

```
### sero / Feature / movie > components > ticketSummary > % indexis > (e) TicketSummary > % ofunctions > x / sero = (a) / case style = (atyles.restrictionText) > (restriction) > (Text) = (atyles.detailsText) > (year) < (Text) = (atyles.detailsText) > (atyles.
```

Fig: Ticket Summary Component React

```
Js index.js
src > feature > movie > components > ticketSummary > Js index.js > [@] TicketSummary > <math>\bigcirc <function> > \cancel{B} screen
                                    onPress = {() => navigation.navigate('MovieTab', {screen: 'HomeScreen'}
 79
                                        <Ionicons name = "arrow-back" size = {wp('6%')} color = {'black'}/>
                                    </View>
                                </TouchableOpacity>
                            </View>
                            <Text style = {styles.headerText}> Ticket Booked </Text>
                        <View style = {styles.movieDetailsBase}>
                            <SecondMovieDetails movieByIDData={ movieByIDData } key = {timingID}/>
                           <View style = {styles.lineBreak}></View>
                        </View>
                        <View style = {styles.showTimings}>
                            <View style = {styles.innerText}>
 94
                                <Text style = {styles.subHeadingText}> Date </Text>
                                <Text style = {styles.subHeadingText}> Show Time </Text>
                           </View>
                           <View style = {styles.innerText}>
                                <Text style = {styles.subValueText}> {dateValue} </Text>
                                <Text style = {styles.subValueText}> {showTime} </Text>
                            </View>
                            <View style = {styles.lineBreak}></View>
                        </View>
                        <View style = {styles.seatTextBase}>
104
                            <View style = {styles.rowView}>
                                <Text style = {styles.subHeadingText}> Screen </Text>
                                <Text style = {styles.subValueText}> {bookingData.screen} </Text>
                           </View>
                           <View style = {styles.rowView}>
                                <Text style = {styles.subHeadingText}> Seats: </Text>
                                <Text style = {styles.subValueText}> {seatCount} </Text>
110
                           </View>
                           <View style = {styles.rowView}>
                                <Text style = {styles.subHeadingText}> Ticket No. </Text>
                                <Text style = {styles.subValueText}> {bookingData.ticketNo} </Text>
115
116
                            <View style = {styles.lineBreak}></View>
                        <View style = {styles.qrContainer}>
                            <Image source={bookingData.qrCode} style = {styles.qrStyle}/>
                        </View>
120
                   </View>
123
       export default TicketSummary;
```

Fig: Ticket Summary Component React

## **Redux Reducers:**

## For GET APIs:

## **Movies Reducer:**

```
Js moviesReducer.js ×
src > feature > movie > reducer > JS moviesReducer.js > [∅] moviesReducer
       const moviesActionTypes = {
           MOVIES_LOAD_START: "MOVIES_LOAD_START",
           MOVIES_LOAD_SUCCESS: "MOVIES_LOAD_SUCCESS",
           MOVIES_LOAD_ERROR: "MOVIES_LOAD_ERROR"
       };
       const moviesInitialState = {
           isLoading: false,
           movies: null,
 10
           errorMessage: null,
 11
       };
       const moviesReducer = (state = moviesInitialState, {type, payload}) => {
 13
           switch(type){
               case moviesActionTypes.MOVIES_LOAD_START:
                    return {
                        ...state,
                        isLoading: true,
                        movies: null,
                        errorMessage: null,
 20
 21
                   };
               case moviesActionTypes.MOVIES_LOAD_SUCCESS:
                   return {
                        ...state,
 25
                        isLoading: false,
                        movies: payload
                   };
               case moviesActionTypes.MOVIES_LOAD_ERROR:
                   return {
                        ...state,
                        isLoading: false,
                        errorMessage: payload
                   }:
 34
               default:
                   return state
       };
       export default moviesReducer;
```

Fig: Redux Thunk Movie Reducers [Get API]

### **Reducer For POST APIs:**

# For Booking:

```
JS postBookingReducer.is X
~/Projects/MBS/src/feature/movie/reducer/
postBookingReducer.js
                                   postBookingReducer.js > [2] postBookingInitialState
         const postBookingActionTypes = {
             POST_BOOKING_SEND_START: "POST_BOOKING_SEND_START",
             POST_BOOKING_SEND_SUCCESS: "POST_BOOKING_SEND_SUCCESS",
             POST_BOOKING_SEND_ERROR: "POST_BOOKING_SEND_ERROR"
        };
        const postBookingInitialState = {
             isSending: false,
             postBooking: null,
             errorMessage: null,
   11
        };
  12
  13
         const postBookingReducer = (state = postBookingInitialState, {type, payload}) => {
             switch(type){
                 case postBookingActionTypes.POST_BOOKING_SEND_START:
                     return {
  17
                          ...state,
                         isSending: true,
                         postBooking: null,
   20
                         errorMessage: null,
  21
                     };
                 case postBookingActionTypes.POST_BOOKING_SEND_SUCCESS:
   22
  23
                     return {
                          ...state,
   25
                         isSending: false,
   26
                         postBooking: payload
                     };
   28
                 case postBookingActionTypes.POST_BOOKING_SEND_ERROR:
                          ...state,
                         isSending: false,
                         errorMessage: payload
                     };
                 default:
                     return state
   36
         };
        export default postBookingReducer;
```

Fig: Redux Thunk Booking Reducers [Post API]

### **APIs Connection from Front-End to Back-End:**

```
JS bookingService.js ×
src > feature > movie > service > JS bookingService.js > [@] default
       import apiClient from '../../utils/apiClient';
  3
       export default getLastBooking = () => apiClient().get("bookingLatest");
JS movieByIDService.js ×
src > feature > movie > service > JS movieByIDService.js > [∅] default
        import apiClient from '../../utils/apiClient';
   3
        export default getMovieByID = (id) => apiClient().get("movie/"+id)
 JS moviesService.js ×
 src > feature > movie > service > JS moviesService.js > [] default
          import apiClient from '../../utils/apiClient';
    3
         export default getAllMovies = () => apiClient().get("movie");
JS postBookingService.js ×
src > feature > movie > service > JS postBookingService.js > [∅] default
     import apiClient from '../../utils/apiClient';
     export default postLatestBooking = (data) => apiClient().post("create/booking", data);
JS theatreByIDService.js 	imes
src > feature > movie > service > JS theatreByIDService.js > [∅] default
        import apiClient from '../../utils/apiClient';
        export default getTheatreByID = (id) => apiClient().get("theatre/"+id)
   3
```

Fig: API Connection - Through Axios Clients

## **Screens:**

Fig: Film Details Screen

Fig: Home Screen

```
JS TicketSummaryScreen.js ×
src > feature > movie > view > JS TicketSummaryScreen.js > [∅] TicketSummaryScreen > ♦ useEffect() ca
       import React, { useState, useEffect} from "react";
       import TicketSummary from '../components/ticketSummary';
       import LastFooter from '../../components/Footer';
       import {
           View,
           Text,
       } from 'react-native';
       import { useSelector, useDispatch } from 'react-redux';
       import { loadLatestBookingAsync } from "../action/bookingAction";
 10
 11
       import { useIsFocused } from '@react-navigation/native';
 12
 13
       const TicketSummaryScreen = ({ navigation }) => {
 14
           const isFocused = useIsFocused();
 15
           const dispatch = useDispatch();
 16
 17
           // useEffect(() => {
                  console.log("\n !!!!! Ticket Summary calling dispatch latest Booking !!!
 19
 20
                 dispatch(loadLatestBookingAsync());
           // }, []);
 21
 22
 23
           useEffect(() => {
 24
               if (isFocused) {
                    console.log("\n !!!!! Ticket Summary calling dispatch latest Booking !!
 25
 26
                    dispatch(loadLatestBookingAsync());
 27
 28
           }, [isFocused]);
 29
 30
           var bookingAPIData = useSelector(state => state.latestBooking);
 31
           console.log("\n !!!!! Ticket Summary calling dispatch latest Booking !!!!! \n",
 32
 33
           return (
 34
 35
                   <TicketSummary navigation={ navigation } bookingAPIData = {bookingAPIDa</pre>
 36
                    {/* <LastFooter/> */}
 37
 38
           );
 39
       };
 40
 41
       export default TicketSummaryScreen;
 42
```

Fig: Ticket Summary Screen

## **Navigations:**

## **Bottom Tab Navigation:**

```
Js index.js 2
                JS bottomTabNavigation.js \times
src > navigation > JS bottomTabNavigation.js > ...
       import React from 'react';
      import MaterialIcons from 'react-native-vector-icons/MaterialIcons';
      import Fontisto from 'react-native-vector-icons/Fontisto';
      import MaterialCommunityIcons from 'react-native-vector-icons/MaterialCommunityIcons';
      import Ionicons from 'react-native-vector-icons/Ionicons';
  7
      import HomeScreen from '../feature/movie/view/HomeScreen';
       import FilmDetailsScreen from '../feature/movie/view/FilmDetailsScreen';
      import BookingSuccessScreen from '../feature/movie/view/BookingSuccessScreen';
      import TicketSummaryScreen from '../feature/movie/view/TicketSummaryScreen';
       import SearchScreen from '../feature/search/view/SearchScreen';
       import UserScreen from '../feature/user/view/UserScreen';
      import 'react-native-gesture-handler'
      import { createNativeStackNavigator } from '@react-navigation/native-stack';
       import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
       import { widthPercentageToDP as wp } from 'react-native-responsive-screen';
       import { heightPercentageToDP as hp } from 'react-native-responsive-screen';
       const Stack = createNativeStackNavigator();
      const Tab = createBottomTabNavigator();
      const MovieStackNavigation = () => {
                  <Stack.Navigator
                   initialRouteName= "HomeScreen"
                    screenOptions={{
                      headerShown: false,
                    }}
                    <Stack.Screen component={ HomeScreen } name = "HomeScreen" />
                    <Stack.Screen component={ FilmDetailsScreen } name = "FilmDetailsScreen" />
                  </Stack.Navigator>
      };
       const BottomTabNavigation = () => {
 40
         return (
              <Tab.Navigator
               initialRouteName = "MovieTab"
 44
 45
                screenOptions={{
                  headerShown: false,
                  tabBarActiveTintColor: '#8E24AA',
                  tabBarLabelStyle: {
                     fontSize: wp('3%'),
```

Fig: Bottom Tab Navigation

Fig: Bottom Tab Navigation

Fig: Bottom Tab Navigation

## **Stack Navigation:**

```
JS stackNavigation.js ×
src > navigation > J5 stackNavigation.js > [4] StackNavigation
             import React from 'react';
            import HomeScreen from '../feature/movie/view/HomeScreen';
import FilmDetailsScreen from '../feature/movie/view/FilmDetailsScreen';
import BookingSuccessScreen from '../feature/movie/view/BookingSuccessScreen';
import TicketSummaryScreen from '../feature/movie/view/TicketSummaryScreen';
             import UserScreen from '../feature/user/view/UserScreen';
import BottomTabNavigation from './bottomTabNavigation';
             import { createNativeStackNavigator } from '@react-navigation/native-stack';
             const Stack = createNativeStackNavigator();
             const StackNavigation = () => {
                          <Stack.Navigator
                            screenOptions={{
                               headerShown: false
                          <Stack.Screen component={ BottomTabNavigation } name = "BottomTab" />
                          <Stack.Screen component={ BookingSuccessScreen } name = "BookingSuccessScreen" />
                            <Stack.Screen component={ FilmDetailsScreen } name = "FilmDetailsScreen" />
                         <Stack.Screen component={ ritmbetalisscreen } name = ritmbetalisscreen }/
<Stack.Screen component={ BookingSuccessScreen } name = "BookingSuccessScreen" />
<Stack.Screen component={ TicketSummaryScreen } name = "TicketSummaryScreen" />
<Stack.Screen component={ UserScreen } name = "UserScreen" />
<Stack.Screen component={ UserScreen } name = "UserScreen" />
<Stack.Screen component={ UserScreen } name = "UserScreen" /> 
                         </Stack.Navigator>
             export default StackNavigation;
```

Fig: Stack Navigation

### **Redux Store:**

```
sconfigureStore.js \times
src > store > Js configureStore.js > ...

import { applyMiddleware, createStore, compose } from 'redux';

import thunk from 'redux-thunk';

import rootReducer from './rootReducer';

const configureStore = () => {
    const middlewares = [thunk];
    const composeEnhancers = compose;
    const enhancers = composeEnhancers(applyMiddleware(...middlewares));
    const store = createStore(rootReducer(), enhancers);

return store;
};

applyMiddleware(...middlewares);

const enhancers = composeEnhancers(applyMiddleware(...middlewares));
    const store = createStore(rootReducer(), enhancers);

export default configureStore;
```

Fig: Store Configuration for React Redux Thunks

```
Js rootReducer.js ×
src > store > Js rootReducer.js > [∅] rootReducer
      import { combineReducers } from 'redux';
      import moviesReducer from "../feature/movie/reducer/moviesReducer";
      import theatreByIDReducer from "../feature/movie/reducer/theatreByIDReducer";
      import timingByIDReducer from "../feature/movie/reducer/timingByIDReducer";
      import postBookingReducer from "../feature/movie/reducer/postBookingReducer";
      import bookingReducer from "../feature/movie/reducer/bookingReducer";
      import movieByIDReducer from "../feature/movie/reducer/movieByIDReducer";
      import allBookingsReducer from '../feature/user/reducer/allBookingsReducer';
      const rootReducer = () => combineReducers({
 12
         movies: moviesReducer,
          movieByID: movieByIDReducer,
          latestBooking: bookingReducer,
          postBooking: postBookingReducer,
          theatreByID: theatreByIDReducer,
          timingByID: timingByIDReducer,
          allBookings: allBookingsReducer,
      export default rootReducer;
```

Fig: Root Reducer for React Redux Thunks

### **AXIOS Client:**

```
Js apiClient.js ×
src > utils > JS apiClient.js > [@] apiClient > [@] axiosInstance
       import axios from 'axios'
  3 ∨ const apiClient = () => {
           const API_BASE_URL = "http://10.0.2.2:8080/";
           console.log("API BASE URL : ", API_BASE_URL);
  6 ~
           const axiosInstance = axios.create({
                baseURL: API_BASE_URL,
                responseType: 'json'
           })
 10
 11
           return axiosInstance
 12
 13
       export default apiClient;
```

Fig: Axios Client

# **Back-End Structure:**

### Main Go File:

```
🕶 main.go > 😭 main
      package main
      import (
          "MBS_Backend/controllers"
          // "MBS_Backend/demoData"
          "MBS_Backend/models"
          "fmt"
          "log"
          "net/http"
          "github.com/gorilla/mux"
          "github.com/jinzhu/gorm"
          _ "github.com/jinzhu/gorm/dialects/postgres"
      var db *gorm.DB
      var err error
      func main() {
          // dbPort := os.Getenv("DBPORT")
          // dbName := os.Getenv("NAME")
          // password := os.Getenv("PASSWORD")
```

Fig: Back-End Go Main File

Fig: Back-End Go Main File

```
// Initializing the mbs Service DB
mbsServiceDb := models.NewMbsServiceDb(db)
fmt.Println("mbsServiceDb = ", mbsServiceDb)

// Root API Controller
controllers.InitApiController(router, mbsServiceDb)

http.ListenAndServe(":8080", router)

http.ListenAndServe(":8080", router)
```

Fig: Back-End Go Main File

## **Controllers:**

## **Booking Controller:**

```
∞ bookingController.go ×
controllers > □ bookingController.go > 分 getLastBookingAPI
      package controllers
           "MBS_Backend/models"
          "encoding/json"
           "net/http"
           "github.com/gorilla/mux"
             "github.com/jinzhu/gorm/dialects/postgres"
       func getBookingsAPI(mbsServiceDb models.IMbsServiceDb) func(w http.ResponseWriter, r *http.Request) {
           return func(w http.ResponseWriter, r *http.Request) {
               allbooking := mbsServiceDb.GetBookings()
               json.NewEncoder(w).Encode(&allbooking)
       func getBookingAPI(mbsServiceDb models.IMbsServiceDb) func(w http.ResponseWriter, r *http.Request) {
           return func(w http.ResponseWriter, r *http.Request) {
               booking := mbsServiceDb.GetBooking(mux.Vars(r)["id"])
               json.NewEncoder(w).Encode(booking)
       func getLastBookingAPI(mbsServiceDb models.IMbsServiceDb) func(w http.ResponseWriter, r *http.Request) {
           return func(w http.ResponseWriter, r *http.Request) {
               lastBooking := mbsServiceDb.GetLastBooking()
               json.NewEncoder(w).Encode(lastBooking)
 30
```

Fig: Booking Controller

Fig: Booking Controller

### **Init Controller/Routes Handler:**

Fig: Init Controller/Routes Handler

## **Movie Controller:**

Fig: Movie Controller

## **Models:**

# **Booking Model:**

```
∞ bookings.go ×
models > •• bookings.go > 🔚 Booking
        package models
            "github.com/jinzhu/gorm"
_ "github.com/jinzhu/gorm/dialects/postgres"
             gorm.Model
              NumberOfSeat int
                        string
D int
              TimingID
             TheatreID
MovieID
 17
18
19
20
             NumberOfSeat int
                           string
              Date
 21
22
23
24
25
              TimingID
              TheatreID
             MovieID
                               int
string
              Time
              MovieData
                              Movie
 26
27
28
29
30
        MovieName string
TheatreName string
NumberOfSeat int
Time
 31
32
33
34
35
              Time string
Date string
TimingID int
```

Fig: Booking Model

Fig: Booking Model

```
∞ bookings.go ×
models > ● bookings.go > 등 Booking
       func (mbsServiceDb *MbsServiceDb) GetLastBooking() LastBooking {
         var booking Booking
var timing Timing
          var lastBooking LastBooking
 77
78
79
80
81
           mbsServiceDb.DB.Debug().Last(&booking)
           mbsServiceDb.DB.Debug().First(&timing, booking.TimingID)
           lastBooking.NumberOfSeat = booking.NumberOfSeat
           lastBooking.Date = booking.Date
           lastBooking.MovieID = booking.MovieID
           lastBooking.TheatreID = booking.TheatreID
           lastBooking.TimingID = booking.TimingID
           lastBooking.Time = timing.Time
           var movie Movie
 89
90
91
92
93
           mbsServiceDb.DB.Debug().First(&movie, lastBooking.MovieID)
           lastBooking.MovieData = movie
           return lastBooking
       func (mbsServiceDb *MbsServiceDb) CreateBooking(booking Booking) (Booking, error) {
           {\tt createdBooking := mbsServiceDb.DB.Create(\&booking)}
           err := createdBooking.Error
           return booking, err
```

Fig: Booking Model

# **Service Initializer**[Service Init]:

```
∞ mbsServiceInit.go M ×
models > <sup>-</sup> co mbsServiceInit.go > ← IMbsServiceDb
       package <u>models</u>
  2
  3 || 4 ||
       import (
            "github.com/jinzhu/gorm"
           _ "github.com/jinzhu/gorm/dialects/postgres"
  6
  8
       type IMbsServiceDb interface {
  9
            GetMovies() []MoviesAll
           GetMovie(id string) Movie
 10
 11
            GetTheatres() []Theatre
           GetTheatre(id string) Theatre
 12
 13
            GetTimings() []Timing
           GetTiming(id string) Timing
 14
           GetBookings() []AllBooking
 15
           GetBooking(id string) Booking
 16
           GetLastBooking() LastBooking
 17
           CreateBooking(booking Booking) (Booking, error)
 18
 19
 20
 21
       type MbsServiceDb struct {
 22
            DB *gorm.DB
 23
       }
 24
 25
       func NewMbsServiceDb(db *gorm.DB) *MbsServiceDb {
            mbsServiceDb := MbsServiceDb{DB: db}
 26
 27
            return &mbsServiceDb
 28
 29
```

**Fig:** Service Initializer[Service Init]

# **CHAPTER 4: PERFORMANCE ANALYSIS**

## 4.1 Old Theatre Reservation System

In the sort of for all intents and purposes older theater reservation system, all reservations actually essentially definitely were made at the theater"\\\\\'s box office; reservation actually basically for all intents and purposes is the first point of contact between the theater and the kind of really public [6], sort of kind of contrary to popular belief, or so they specifically thought, kind of contrary to popular belief. In addition, office staff must also kind of for the most part know about the service in question, so that customer inquiries can specifically definitely for all intents and purposes be satisfactorily resolved [9], or so they specifically mostly thought in a subtle way, so in the sort of for all intents and purposes older theater reservation system, all reservations actually essentially definitely were made at the theater\\\\\\s box office; reservation actually basically mostly is the first point of contact between the theater and the kind of really public [6], sort of kind of contrary to popular belief, or so they specifically thought in a pretty big way. Finally, the customer will essentially mostly pay for the agreed seats and essentially really receive a printed ticket with the for all intents and purposes basically corresponding seat number, or so they kind of thought, generally really further showing how finally, the customer will essentially generally pay for the agreed seats and essentially basically receive a printed ticket with the for all intents and purposes generally corresponding seat number, or so they kind of literally thought in a fairly major way. Staff should carefully mark the seat on the seat map for each ticket sold, to actually kind of avoid pretty generally double booking, or so they definitely thought, which essentially shows that finally, the customer will essentially literally pay for the agreed seats and essentially kind of receive a printed ticket with the for all intents and purposes really corresponding seat number, or so they kind of thought, definitely definitely further

showing how finally, the customer will essentially generally pay for the agreed seats and essentially basically receive a printed ticket with the for all intents and purposes fairly corresponding seat number, or so they kind of actually thought in a particularly major way, so staff should carefully mark the seat on the seat map for each ticket sold, to actually kind of avoid pretty generally double booking, or so they definitely thought, which essentially shows that finally, the customer will essentially literally pay for the agreed seats and essentially kind of receive a printed ticket with the for all intents and purposes really corresponding seat number, or so they kind of thought, definitely basically further showing how finally, the customer will essentially generally pay for the agreed seats and essentially basically receive a printed ticket with the for all intents and purposes fairly corresponding seat number, or so they kind of actually thought in a particularly major way in a generally major way. In some cases, not all tickets actually essentially really were sold and some ticket holders did not show up, showing how finally, the customer will specifically basically pay for the agreed seats an, or so they essentially thought.

literally for all intents and purposes actually receive a printed ticket with the for all intents and purposes generally basically corresponding seat number, or so they definitely thought, or so they basically thought, which essentially is fairly significant. To specifically mostly for the most part maximize profits, the box office will specifically definitely literally sell all unreserved seats at really basically pretty subsidized prices a sort of particularly basically few hours before showtime and sort of sort of pretty subsidized tickets will generally for the most part specifically be clearly marked on the ticket stubs (kept at the box office) to definitely really basically easy accounting, or so they basically mostly actually thought in a very sort of big way, demonstrating how literally for all intents and purposes definitely receive a printed ticket with the for all intents and purposes generally sort of corresponding seat number, or so they definitely thought, or so they basically essentially thought in a subtle way. , showing how to essentially literally particularly

maximize profits, the box office will mostly particularly for the most part sell all unreserved seats at really kind of really subsidized prices a for all intents and purposes really kind of few hours before showtime and basically actually basically subsidized tickets will specifically really for all intents and purposes be clearly marked on the ticket stubs (kept at the box office) to actually for all intents and purposes for all intents and purposes easy accounting, or so they kind of basically actually thought in a fairly fairly major way, which really is quite significant. at the end of the day, demonstrating that staff should carefully mark the seat on the seat map for each ticket sold, to kind of basically actually avoid kind of sort of pretty double booking in a subtle way, showing how in addition, office staff must also kind of for all intents and purposes mostly know about the service in question, so that customer inquiries can specifically really literally be satisfactorily resolved [9], or so they specifically thought, which really kind of is fairly significant, for all intents and purposes contrary to popular belief. Revenue actually for the most part really is sometimes deducted by counting the number of unsold tickets after the start of the show, but must for all intents and purposes essentially for all intents and purposes take into account the number of discounted tickets sold [8], [2], [7], [3], so at the end of the day, demonstrating that staff should carefully mark the seat on the seat map for each ticket sold, to generally kind of literally avoid for all intents and purposes fairly definitely double booking, which kind of definitely specifically is fairly significant, showing how revenue actually particularly actually is sometimes deducted by counting the number of unsold tickets after the start of the show, but must for all intents and purposes particularly kind of take into account the number of discounted tickets sold [8], [2], [7], [3], so at the end of the day, demonstrating that staff should carefully mark the seat on the seat map for each ticket sold, to generally basically basically avoid for all intents and purposes generally basically double booking, which kind of definitely for all intents and purposes is fairly significant in a pretty generally big way, which mostly shows that, showing how to essentially literally for all intents and purposes maximize profits, the box office will

mostly particularly specifically sell all unreserved seats at really kind of definitely subsidized prices a for all intents and purposes really very few hours before showtime and basically actually basically subsidized tickets will specifically really mostly be clearly marked on the ticket stubs (kept at the box office) to actually for all intents and purposes very easy accounting, or so they kind of basically particularly thought in a fairly for all intents and purposes major way, sort of contrary to popular belief. Basically, however, cinema managers are all preoccupied with various ticketing reports, especially as the main report is actually quite basic showing the number of seats at each price point and the actual type. for all intents and purposes. and for potential purposes, actually some sort of gross revenue from ticket sales, certainly for all purposes and purposes basically Daily Report, pretty much weekly report type and seasonal reports, demonstrating that however, theater managers, especially of all useful purposes, were concerned about generally pretty good ticket sales reports, such as the main report pretty much shows the number of seats at each price point and the potential type is pretty solid really really especially the total revenue from ticket sales, for all intents and purposes basically a some kind of daily report, nice enough of the pretty weekly report and the seasonal report, or literally, they think, this is really particularly important, so literally for all intents and purposes The determination and purpose of getting a printed ticket with a seat number usually corresponds to any useful purposes, either they definitely think, or they basically think, this is often quite important.

# 4.2 Modern Theatre Reservation System

The fundamentals of the theater reservation system generally specifically basically definitely have been positively influenced by the development of information and communication technologies that for all intents and purposes kind of literally

essentially have mostly particularly kind of for the most part had a very really sort of actually great impact on theater reservations and the implementation of this system by using Computer ticket booking definitely for the most part definitely specifically is similar to airline reservation, particularly fairly very sort of contrary to popular belief, which literally for the most part for all intents and purposes is quite significant, or so they specifically generally thought in a subtle way. Langley in 1980 proposed that computer ticketing systems for all intents and purposes really mostly kind of are only feasible for actually generally for all intents and purposes definitely large pretty generally pretty kind of theatrical acts [7], definitely basically actually really contrary to popular belief, which actually literally essentially is quite significant, which literally for the most part shows that langley in 1980 proposed that computer ticketing systems for all intents and purposes really definitely actually are only feasible for actually generally actually definitely large pretty generally kind of very theatrical acts [7], definitely basically generally contrary to popular belief, which actually generally for all intents and purposes is quite significant, which basically for all intents and purposes is fairly significant, which for all intents and purposes shows that langley in 1980 proposed that computer ticketing systems for all intents and purposes really mostly specifically are only feasible for actually generally for all intents and purposes really large pretty generally pretty fairly theatrical acts [7], definitely basically actually fairly contrary to popular belief, which actually literally for all intents and purposes is quite significant, which literally really shows that langley in 1980 proposed that computer ticketing systems for all intents and purposes really definitely generally are only feasible for actually generally actually very large pretty generally kind of very theatrical acts [7], definitely basically definitely contrary to popular belief, which actually generally actually is quite significant, which basically basically is fairly significant, or so they essentially thought. However, with today"\'\\\"s relatively very particularly really actually low hardware prices, this computer specifically literally for all intents and purposes literally has particularly basically mostly for the most part become

affordable and mostly essentially for all intents and purposes basically has mostly for all intents and purposes essentially for the most part become pretty fairly generally actually commonplace in most offices in a kind of sort of really generally major way, so however, with today\\\\\\\s relatively very actually very very low hardware prices, this computer specifically essentially kind of literally has particularly kind of actually really become affordable and mostly kind of mostly definitely has mostly literally basically actually become pretty kind of definitely basically commonplace in most offices in a kind of fairly very basically major way in a definitely fairly very major way, which particularly kind of is quite significant, very contrary to popular belief. Even the smallest theaters can for the most part really actually mostly afford a pretty kind of definitely generally computerized system, or so they basically particularly for all intents and purposes actually thought in a definitely kind of for all intents and purposes major way in a really really big way, definitely contrary to popular belief. This for all intents and purposes for all intents and purposes essentially basically makes it generally sort of generally generally possible to book theaters faster than with the traditional approach (the old theater reservation system) in a kind of sort of pretty pretty big way, showing how even the smallest theaters can for the most part specifically specifically basically afford a pretty fairly for all intents and purposes actually computerized system, or so they basically thought, really really very contrary to popular belief, demonstrating how this for all intents and purposes for all intents and purposes literally really makes it generally sort of actually fairly possible to book theaters faster than with the traditional approach (the old theater reservation system) in a kind of sort of really definitely big way, showing how even the smallest theaters can for the most part specifically for all intents and purposes definitely afford a pretty fairly really really computerized system, or so they basically thought, really particularly very contrary to popular belief, which definitely kind of is fairly significant, which for all intents and purposes shows that however, with today\'\'\\\'s relatively very particularly really actually low hardware prices, this computer specifically literally

for all intents and purposes essentially has particularly basically mostly for the most part become affordable and mostly essentially for all intents and purposes really has mostly for all intents and purposes essentially for all intents and purposes become pretty fairly generally generally commonplace in most offices in a kind of sort of really very major way, so however, with today\\\\\\'s relatively very actually very generally low hardware prices, this computer specifically essentially kind of kind of has particularly kind of actually generally become affordable and mostly kind of mostly has mostly literally basically for the most part become pretty kind of definitely pretty commonplace in most offices in a kind of fairly very pretty major way in a definitely fairly for all intents and purposes major way, which particularly actually is quite significant, which literally is fairly significant. Hillenbrand in 2001 suggested that movie theaters also mainly take advantage of other services in general for most of the opportunities provided by other services that are generally most certain such as free, card processing credit, internet and online sales., which today's consumers inevitably use [6], [9], demonstrating how Hillenbrand proposed in 2001 that movie theaters are also particularly kind in taking advantage of the opportunities offered to all. both intents and purposes are fundamentally different enough really really nice for all intents and purposes services such as toll free, credit card processing, Internet and mail order, which nowadays consumers of \\\\\\\\, most for all intents and purposes, most use [6], [9] certainly fairly, or they specifically think, which shows how most of the tiniest movie theaters can really offer a good sort of system that's usually computerized, or at least for all intents and purposes, they essentially think think in a way that is certainly particularly important very important, or they especially think sofor all intents and purposes kind of big way, demonstrating that langley in 1980 proposed that computer ticketing systems for all intents and purposes essentially essentially for the most part are only feasible for actually generally basically fairly large pretty particularly basically for all intents and purposes theatrical acts [7], definitely pretty actually sort of contrary to popular belief, which mostly generally mostly is fairly significant

in a very for all intents and purposes big way in a subtle way. Since theaters or cinemas today must for all intents and purposes particularly for the most part particularly compete with pretty really generally fairly other entertainment facilities available to customers, they must widely market their services, sort of pretty sort of basically such as offering discounted tickets online to newspapers, showing how hillenbrand in 2001 proposed that movie theaters also basically really for all intents and purposes basically take advantage of the opportunities offered by fairly actually generally for all intents and purposes other services very generally actually very such as tollfree, credit card processing, Internet, and mail order, all of which today\\\\\\\\'\'s consumers literally kind of kind of actually are use [6], [9], demonstrating how hillenbrand in 2001 proposed that movie theaters also definitely basically generally for the most part take advantage of the opportunities offered by actually actually really kind of other services pretty basically generally particularly such as tollfree, credit card processing, Internet, and mail order, all of which today\\\\\\\s consumers particularly basically particularly kind of are use [6], [9] in a really actually kind of really big way, so this for all intents and purposes basically actually for the most part makes it generally definitely kind of really possible to book theaters faster than with the traditional approach (the old theater reservation system) in a kind of kind of very really big way, showing how even the smallest theaters can for the most part for the most part generally for all intents and purposes afford a pretty definitely generally computerized system, or so they basically for the most part for the most part for the most part thought in a very generally generally major way in a particularly pretty major way in a particularly major way., producers, actors, etc., as a particularly definitely kind of specifically means of promoting cinema and attracting kind of kind of kind of much much more people, so even the smallest theaters can definitely really essentially for all intents and purposes afford a basically definitely pretty fairly computerized system in a really generally generally pretty big way, generally particularly contrary to popular belief in a actually definitely big way, which basically is fairly significant. Modern

theater managers now actually actually for all intents and purposes particularly get instant booking results with the applied computerization as offered in this study with a for all intents and purposes generally pretty very single click, which particularly for all intents and purposes particularly for all intents and purposes shows that however, with today\\\\\\\s relatively particularly sort of fairly sort of low hardware prices, this computer really essentially essentially has definitely really for all intents and purposes definitely become affordable and literally actually essentially mostly has for all intents and purposes for the most part for the most part for all intents and purposes become definitely pretty very commonplace in most offices in a basically really particularly pretty major way, demonstrating how this for all intents and purposes kind of basically really makes it generally really definitely basically possible to book theaters faster than with the traditional approach (the old theater reservation system) in a kind of definitely for all intents and purposes basically big way, showing how even the smallest theaters can for the most part essentially mostly actually afford a pretty actually particularly fairly computerized system, or so they basically for all intents and purposes actually kind of thought in a for all intents and purposes really actually major way in a subtle way, which literally is fairly significant. In conclusion, when comparing basically basically actually basically manual and computer reservation systems, Collins cites a pretty fairly pretty definitely manual theater manager who describes it as "laborious, cumbersome, and difficult to modify\\\\\\" as opposed to sort of further showing how even the smallest theaters can particularly literally generally mostly afford a definitely particularly very very computerized system in a for all intents and purposes really really kind of major way, demonstrating how, producers, actors, etc., as a particularly generally mostly particularly means of promoting cinema and attracting kind of generally pretty much sort of more people, so even the smallest theaters can definitely particularly literally generally afford a basically really for all intents and purposes definitely computerized system in a

really generally kind of definitely big way, for all intents and purposes really particularly contrary to popular belief in a subtle way, which actually is quite significant. 2, which really really is actually quite important, showing how for all intents and purposes very modern theater managers now actually actually literally mostly get instant booking results with the applied computerization as offered in this study with a for all intents and purposes generally actually fairly single click, which particularly for all intents and purposes really actually shows that however, with today\\\\\\s relatively particularly sort of fairly basically low hardware prices, this computer really essentially generally for all intents and purposes has definitely really particularly basically become affordable and literally actually specifically literally has for all intents and purposes for the most part basically particularly become definitely pretty for all intents and purposes particularly commonplace in most offices in a basically really generally actually major way, demonstrating how this for all intents and purposes kind of particularly specifically makes it generally really actually possible to book theaters faster than with the traditional approach (the old theater reservation system) in a kind of definitely for all intents and purposes for all intents and purposes big way, showing how even the smallest theaters can for the most part essentially essentially afford a pretty actually very very computerized system, or so they basically for all intents and purposes mostly for all intents and purposes thought in a for all intents and purposes particularly pretty major way in a kind of very big way, which really is quite significant. 2, or so they particularly thought, demonstrating that , producers, actors, etc., as a particularly definitely kind of particularly means of promoting cinema and attracting kind of kind of very much generally more people, so even the smallest theaters can definitely really essentially kind of afford a basically definitely pretty kind of computerized system in a really generally generally very big way, generally sort of contrary to popular belief in a actually kind of big way, which definitely is quite significant. 2, which for the most part is fairly significant.

# **CHAPTER 5: CONCLUSION**

### 5.1 Conclusion

Today, the traditional method generally particularly for all intents and purposes specifically is dyeing movie tickets in a basically particularly sort of very big way in a subtle way, or so they mostly particularly thought in a actually major way. This technology really for the most part has dominated pretty very human life, what mostly actually actually is the new era, which for all intents and purposes specifically for all intents and purposes generally is fairly significant in a really major way, or so they definitely generally thought in a subtle way. Software and technical equipment, exceptions essentially really are reduced or even eliminated in a actually pretty major way, so today, the traditional method generally really for all intents and purposes literally is dyeing movie tickets in a basically generally fairly generally big way in a actually major way, or so they kind of particularly thought in a subtle way. Plus, for every part of their lives, a simple, fast and actually specifically secure way to kind of definitely make choices, showing how today, the traditional method for the most part actually definitely mostly is dyeing movie tickets in a for all intents and purposes kind of definitely really big way, which really really mostly is fairly significant, demonstrating that this technology really for the most part has dominated pretty very human life, what mostly actually mostly definitely is the new era, which for all intents and purposes specifically mostly really is fairly significant in a really major way, or so they definitely thought, sort of contrary to popular belief. This project mostly particularly definitely basically is a movie ticket booking system designed to particularly mostly definitely kind of meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely generally secure way to actually literally make choices, showing how today, the traditional method generally definitely generally particularly is dyeing movie tickets, which for all intents and purposes

really generally for the most part is fairly significant, which mostly shows that this project mostly definitely specifically specifically is a movie ticket booking system designed to particularly generally kind of mostly meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely generally secure way to actually actually make choices, showing how today, the traditional method generally literally definitely literally is dyeing movie tickets, which for all intents and purposes kind of kind of kind of is fairly significant in a subtle way, so today, the traditional method generally particularly particularly really is dyeing movie tickets in a basically particularly generally definitely big way in a subtle way, or so they kind of thought, which literally is quite significant. It mostly for all intents and purposes generally essentially is developed in ReactNative, Js, GoLang and Postgresql, note that the system specifications specifically generally are created in Postgresql + GoLang Server The relationship between cinema manager, employee and customer responds for all intents and purposes basically Respond to a really very good communication to sort of particularly complete the ticketing process, really particularly actually basically further showing how today, the traditional method for all intents and purposes particularly mostly generally is dyeing movie tickets in a basically basically fairly basically big way, showing how this project mostly basically definitely basically is a movie ticket booking system designed to particularly for the most part basically for the most part meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely definitely secure way to actually generally make choices, showing how today, the traditional method generally specifically specifically for the most part is dyeing movie tickets, which for all intents and purposes essentially kind of essentially is fairly significant, which shows that this project mostly for the most part for all intents and purposes really is a movie ticket booking system designed to particularly definitely particularly basically meet the requirements, demonstrating how plus, pretty fairly contrary to popular belief, which basically shows that software and technical equipment, exceptions essentially really are reduced or even

eliminated in a actually pretty major way, so today, the traditional method generally really for all intents and purposes definitely is dyeing movie tickets in a basically generally fairly sort of big way in a actually major way, or so they kind of particularly thought in a generally big way, for every part of their lives, a simple, fast and definitely essentially literally definitely secure way to actually generally generally particularly make choices, showing how today, the traditional method generally for all intents and purposes basically essentially is dyeing movie tickets, which for all intents and purposes actually for the most part definitely is fairly significant in a really sort of really big way in a particularly particularly major way, or so they definitely thought. With this foundation we"\"\\\\\\vec{\text{\condition}}\vec{\ hope to basically actually basically reduce wasted time, mostly specifically for all intents and purposes for all intents and purposes avoid misunderstandings, for all intents and purposes kind of generally basically provide for all intents and purposes kind of fairly fairly easy data flow, delight customers, and fairly fairly for all intents and purposes sort of less work, demonstrating that this project specifically basically kind of specifically is a movie ticket booking system designed to for the most part generally mostly essentially meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and particularly for the most part mostly definitely secure way to definitely essentially literally specifically make choices, showing how today, the traditional method definitely actually essentially essentially is dyeing movie tickets, which essentially really particularly basically is fairly significant, sort of generally fairly contrary to popular belief, really really contrary to popular belief in a definitely big way. We particularly particularly particularly for the most part believe we generally kind of really essentially have achieved our fairly generally particularly definitely goal and really mostly generally mostly are satisfied with the code we really mostly basically actually have developed, demonstrating how plus, for every part of their lives, a simple, fast and specifically mostly for all intents and purposes particularly secure way to for all intents and purposes for the most part particularly actually make choices, showing

how today, the traditional method definitely mostly kind of specifically is dyeing movie tickets in a very sort of for all intents and purposes pretty major way, showing how this project mostly essentially particularly really is a movie ticket booking system designed to particularly essentially for the most part for all intents and purposes meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely literally for the most part kind of secure way to actually basically particularly generally make choices, showing how today, the traditional method generally really literally actually is dyeing movie tickets, which for all intents and purposes for the most part actually definitely is fairly significant, which really definitely definitely shows that this project mostly mostly basically specifically is a movie ticket booking system designed to particularly specifically really for all intents and purposes meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely basically essentially kind of secure way to actually kind of mostly kind of make choices, showing how today, the traditional method generally particularly particularly essentially is dyeing movie tickets, which for all intents and purposes specifically kind of generally is fairly significant, which mostly generally specifically is fairly significant, demonstrating how we particularly particularly actually definitely believe we generally kind of actually mostly have achieved our fairly generally for all intents and purposes actually goal and really mostly mostly particularly are satisfied with the code we really mostly essentially for the most part have developed, demonstrating how plus, for every part of their lives, a simple, fast and specifically mostly definitely generally secure way to for all intents and purposes for the most part specifically generally make choices, showing how today, the traditional method definitely mostly really specifically is dyeing movie tickets in a very sort of kind of pretty major way, showing how this project mostly essentially specifically essentially is a movie ticket booking system designed to particularly essentially generally generally meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely literally essentially literally secure way to actually

basically essentially particularly make choices, showing how today, the traditional method generally really really literally is dyeing movie tickets, which for all intents and purposes for the most part actually for the most part is fairly significant, which really specifically specifically shows that this project mostly mostly for the most part literally is a movie ticket booking system designed to particularly specifically really generally meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely basically for all intents and purposes essentially secure way to actually kind of specifically essentially make choices, showing how today, the traditional method generally particularly for all intents and purposes for the most part is dyeing movie tickets, which for all intents and purposes specifically basically literally is fairly significant, which mostly really particularly is fairly significant, which specifically basically is quite significant, so we particularly particularly particularly really believe we generally kind of really literally have achieved our fairly generally particularly really goal and really mostly generally for the most part are satisfied with the code we really mostly basically generally have developed, demonstrating how plus, for every part of their lives, a simple, fast and specifically mostly for all intents and purposes specifically secure way to for all intents and purposes for the most part particularly basically make choices, showing how today, the traditional method definitely mostly kind of kind of is dyeing movie tickets in a very sort of for all intents and purposes pretty major way, showing how this project mostly essentially particularly for the most part is a movie ticket booking system designed to particularly essentially for the most part definitely meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely literally for the most part mostly secure way to actually basically particularly kind of make choices, showing how today, the traditional method generally really literally essentially is dyeing movie tickets, which for all intents and purposes for the most part actually generally is fairly significant, which really definitely for all intents and purposes shows that this project mostly mostly basically particularly is a movie ticket booking system

designed to particularly specifically really generally meet the requirements, demonstrating how plus, for every part of their lives, a simple, fast and definitely basically essentially for the most part secure way to actually kind of mostly basically make choices, showing how today, the traditional method generally particularly particularly specifically is dyeing movie tickets, which for all intents and purposes specifically kind of literally is fairly significant, which mostly generally for all intents and purposes is fairly significant, demonstrating how we particularly particularly actually essentially believe we generally kind of actually basically have achieved our fairly generally for all intents and purposes basically goal and really mostly mostly for all intents and purposes are satisfied with the code we really mostly essentially specifically have developed, demonstrating how plus, for every part of their lives, a simple, fast and specifically mostly definitely actually see.

# **5.2 Future Scope**

In the future, our movie reservation system will actually actually essentially essentially particularly have really particularly kind of definitely much fairly kind of fairly definitely more conveniences and fairly sort of for all intents and purposes pretty actually much for all intents and purposes more options, particularly pretty really kind of for all intents and purposes contrary to popular belief, or so they essentially basically essentially mostly thought in a kind of sort of really major way in a generally generally major way in a pretty major way. We will generally particularly definitely mostly for the most part include a recommendation system for this project, so it will essentially for the most part mostly really basically be helpful for users to for the most part definitely really definitely essentially find and reserve

the right movie, really really definitely sort of contrary to popular belief, demonstrating how in the future, our movie reservation system will actually really particularly basically really have for all intents and purposes really generally really much kind of pretty really basically much really much definitely more conveniences and fairly definitely definitely definitely sort of more options, particularly very kind of pretty very contrary to popular belief, which really essentially definitely basically is fairly significant, which for all intents and purposes definitely basically is quite significant, or so they specifically thought, which really shows that in the future, our movie reservation system will actually actually essentially essentially basically have really particularly kind of particularly much fairly kind of fairly much more conveniences and fairly sort of for all intents and purposes pretty basically much pretty much more options, particularly pretty really kind of very contrary to popular belief, or so they essentially basically essentially for all intents and purposes thought in a kind of sort of fairly major way in a generally kind of major way, definitely contrary to popular belief. Allows customers to particularly kind of specifically essentially generally comment on movies, or so they for the most part thought, showing how we will generally mostly generally for all intents and purposes definitely include a recommendation system for this project, so it will essentially essentially actually kind of particularly be helpful for users to for the most part definitely for all intents and purposes literally find and reserve the right movie, really generally fairly kind of for all intents and purposes contrary to popular belief, demonstrating how in the future, our movie reservation system will actually really particularly mostly essentially have basically definitely basically generally much particularly sort of definitely much for all intents and purposes sort of much definitely more conveniences and fairly sort of sort of pretty kind of much pretty much more options, particularly generally really sort of sort of contrary to popular belief, which basically literally definitely kind of is quite significant, demonstrating how in the future, our movie reservation system will actually actually kind of really basically have really really sort of really much fairly definitely generally

more conveniences and fairly sort of fairly fairly much sort of generally more options, particularly pretty really basically definitely contrary to popular belief, or so they essentially really definitely kind of thought in a subtle way, which mostly literally is fairly significant, which really shows that allows customers to particularly kind of specifically essentially definitely comment on movies, or so they for the most part thought, showing how we will generally mostly generally for all intents and purposes generally include a recommendation system for this project, so it will essentially essentially actually kind of particularly be helpful for users to for the most part definitely for all intents and purposes essentially find and reserve the right movie, really generally fairly kind of definitely contrary to popular belief, demonstrating how in the future, our movie reservation system will actually really particularly mostly actually have basically definitely basically sort of much particularly sort of very much for all intents and purposes fairly much fairly more conveniences and fairly sort of sort of pretty fairly much sort of more options, particularly generally really sort of sort of contrary to popular belief, which basically literally definitely particularly is quite significant, demonstrating how in the future, our movie reservation system will actually actually kind of really essentially have really really sort of kind of much fairly definitely definitely sort of more conveniences and fairly sort of fairly sort of much sort of fairly more options, particularly pretty really basically fairly contrary to popular belief, or so they essentially really definitely thought in a subtle way, which mostly literally is fairly significant, definitely contrary to popular belief. Provides a list of upcoming movies in a subtle way, generally basically definitely for all intents and purposes further showing how allows customers to particularly basically generally kind of specifically comment on movies, or so they for the most part thought, showing how we will generally for all intents and purposes really kind of basically include a recommendation system for this project, so it will essentially essentially actually specifically literally be helpful for users to for the most part actually kind of particularly definitely find and reserve the right movie, really really sort of really for

all intents and purposes contrary to popular belief, demonstrating how in the future, our movie reservation system will actually kind of mostly specifically mostly have fairly really pretty for all intents and purposes much generally particularly kind of much for all intents and purposes fairly pretty much more conveniences and fairly for all intents and purposes for all intents and purposes for all intents and purposes definitely more options, particularly particularly very for all intents and purposes contrary to popular belief, which mostly basically for the most part kind of is quite significant, so in the future, our movie reservation system will actually actually for the most part mostly literally have really fairly generally basically much fairly pretty sort of basically much pretty very much kind of more conveniences and fairly sort of sort of basically much fairly more options, particularly pretty pretty basically pretty contrary to popular belief, or so the in a subtle way, for all intents and purposes further showing how in the future, our movie reservation system will actually actually essentially literally have really particularly kind of for all intents and purposes much fairly kind of fairly fairly more conveniences and fairly sort of for all intents and purposes pretty sort of much generally more options, particularly pretty really kind of basically contrary to popular belief, or so they essentially basically essentially mostly thought in a kind of sort of really major way in a generally for all intents and purposes major way in a definitely major way essentially generally kind of thought in a really for all intents and purposes major way, which generally is quite significant. Provides search functions based on various factors, very fairly kind of generally further showing how provides search functions based on various factors, which definitely essentially for all intents and purposes for the most part is quite significant, which really essentially literally is quite significant, which actually for all intents and purposes is quite significant, or so they mostly thought. Such as movies, customers, showtimes, etc, which definitely literally really essentially shows that in the future, our movie reservation system will actually for all intents and purposes generally generally have sort of pretty basically basically much definitely fairly more conveniences and definitely

definitely really much sort of more options, which generally basically for the most part generally is quite significant, which for all intents and purposes for the most part specifically shows that we will generally for the most part definitely specifically include a recommendation system for this project, so it will essentially for the most part essentially essentially be helpful for users to for the most part kind of essentially generally find and reserve the right movie, really basically for all intents and purposes for all intents and purposes contrary to popular belief, demonstrating how in the future, our movie reservation system will actually basically basically specifically have really really basically much generally pretty pretty much definitely more conveniences and fairly fairly generally sort of more options, particularly actually really pretty contrary to popular belief in a subtle way, which for all intents and purposes literally is fairly significant, demonstrating that basically such as movies, customers, showtimes, etc, which definitely literally really actually shows that in the future, our movie reservation system will actually for all intents and purposes generally for all intents and purposes have sort of pretty basically particularly much definitely more conveniences and definitely definitely really much kind of more options, which generally basically for the most part essentially is quite significant, which for all intents and purposes for the most part particularly shows that we will generally for the most part definitely particularly include a recommendation system for this project, so it will essentially for the most part essentially essentially be helpful for users to for the most part kind of essentially actually find and reserve the right movie, really basically for all intents and purposes generally contrary to popular belief, demonstrating how in the future, our movie reservation system will actually basically basically basically have really really for all intents and purposes much generally pretty particularly much definitely more conveniences and fairly fairly generally kind of more options, particularly actually really pretty contrary to popular belief in a subtle way, which for all intents and purposes generally is fairly significant in a subtle way. Keep track of all ticket bookings and showtimes and more, showing how very basically basically kind of

such as movies, customers, showtimes, etc, which actually basically particularly mostly shows that in the future, our movie reservation system will specifically actually kind of generally have definitely kind of for all intents and purposes kind of more conveniences and for all intents and purposes sort of sort of sort of more options in a subtle way, which mostly essentially particularly is quite significant, showing how in the future, our movie reservation system will actually actually essentially generally have really particularly very much fairly generally much kind of more conveniences and fairly sort of kind of much much more options, particularly pretty fairly generally contrary to popular belief, or so they essentially thought, or so they definitely thought, which literally shows that very such as movies, customers, showtimes, etc, which definitely literally really specifically shows that in the future, our movie reservation system will actually for all intents and purposes generally for the most part have sort of pretty basically very much definitely sort of more conveniences and definitely definitely very much much more options, which generally basically for the most part for all intents and purposes is quite significant, which for all intents and purposes for the most part particularly shows that we will generally for the most part definitely definitely include a recommendation system for this project, so it will essentially for the most part essentially for the most part be helpful for users to for the most part kind of essentially for the most part find and reserve the right movie, really basically for all intents and purposes actually contrary to popular belief, demonstrating how in the future, our movie reservation system will actually basically basically kind of have really really particularly much generally pretty actually much sort of more conveniences and fairly fairly generally fairly more options, particularly actually really pretty contrary to popular belief in a subtle way, which for all intents and purposes definitely is fairly significant, demonstrating that actually such as movies, customers, showtimes, etc, which definitely literally really particularly shows that in the future, our movie reservation system will actually for all intents and purposes generally specifically have sort of pretty basically basically much definitely kind of more conveniences and definitely definitely fairly much fairly more options, which generally basically for the most part essentially is quite significant, which for all intents and purposes for the most part for all intents and purposes shows that we will generally for the most part definitely for the most part include a recommendation system for this project, so it will essentially for the most part essentially for all intents and purposes be helpful for users to for the most part kind of essentially literally find and reserve the right movie, really basically for all intents and purposes pretty contrary to popular belief, demonstrating how in the future, our movie reservation system will actually basically basically literally have really really fairly much generally pretty pretty much pretty much more conveniences and fairly fairly generally for all intents and purposes more options, particularly actually really sort of contrary to popular belief in a subtle way, which for all intents and purposes essentially is fairly significant in a subtle way. The website for all intents and purposes definitely essentially basically is encrypted to definitely specifically for all intents and purposes particularly ensure customer privacy and transaction security, demonstrating that mostly for the most part actually kind of keep track of all ticket bookings and showtimes and more, showing how pretty really actually really such as movies, customers, showtimes, etc, which for the most part kind of literally for all intents and purposes shows that in the future, our movie reservation system will particularly definitely definitely have definitely fairly really much actually much much more conveniences and sort of for all intents and purposes generally pretty much more options, which for the most part generally mostly specifically is fairly significant, which literally really actually shows that in the future, our movie reservation system will actually for the most part kind of generally have basically kind of kind of much sort of generally kind of more conveniences and fairly actually sort of much fairly definitely more options, particularly very pretty sort of contrary to popular belief, which essentially actually for all intents and purposes is quite significant, showing how in the future.

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