Version: V1.0

Online Movie Ticket Booking

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ABSTRACT

Our project aims at providing users with a number of facilities using which they can access our website and through the website, they can book movie tickets online. Various features of our website, including displaying the movies running as per the provided location, show times of the respective movies, and allowing the users to book the tickets as per their requirements. We aim at providing a user-friendly interface, wherein the users can also provide us their valuable feedback, hence, allowing us to work upon our interface for the betterment and ease of the users.

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CHAPTER-1

INTRODUCTION

1.1 Problem summary

In order to remove the problem of last-minute rush to grab the best movie tickets, and to ensure that everyone can watch their favourite movies, in their favourite multiplex, on their favourite seat, we have made an effort to build this user-friendly website, through which, the user, from their home, can book movie tickets, when and where they want to, without having to stand in queues and wasting their valuable time.

The benefits of using this type of service are:

- Saving time.
- Look and feel.
- Ease of access.
- Secure transactions.
- Advance booking.
- Free cancellation in case of a change in plans.
- Providing feedback, thus, making the website more user-friendly.

1.2 Aims and objectives

Our project aims at providing users with a number of facilities using which they can access our website and through the website, they can book movie tickets online. Various features of our website, including displaying the movies running as per the provided location, show times of the respective movies, and allowing the users to book the tickets as per their requirements.

For solution of given problem, we provide the following facilities:

- Easy movie and showtime selection.
- Hand picking the seats; if available.
- Selecting the required location.
- Viewing the synopsis of the selected movies.
- Secure transaction from bank account.
- Confirmation of booked tickets.
- Free cancellation.

CHAPTER-2
Detailed Description

2.1 Project Definition

Our project will create a website that connects users to the internet and grants access to them to book movie tickets without making physical transactions at the box office. Once the user gives their location, all the multiplexes and their respective movie showtimes are displayed. This allows the user to choose the movie and the seats as per the availability in the selected show time for the selected movie.

2.2 Purpose

This project can become a fine source of freelancing, outsourcing, and cloud sourcing marketplace for small businesses. Through this site whether you need PHP developers, web designers, or content writers, you can outsource jobs within a minute. People can browse through hundreds of skills including copywriting, data entry, and graphic design or more technical areas like coding HTML, programming MySQL, and designing CSS.

Don't have a website or mobile app?

Not a problem, this project accelerates your business growth by giving you the talent you need. It also provides you work at a place where you need. From beginning to end it makes it easy to find customers and freelancers and also find movie tickets online. Join the thousands of businesses tapping into the world's largest marketplace of skilled freelancers. Post a project now!

If you're running an online business, you'll eventually come to a point where you will need a script installed, a code written, or a program developed. It's not your job to take care of the technical stuff so you'll need to hire somebody to get the work done.

Online booking?

It gives an important feature of booking movie tickets without having to wait in the queue at the box office. Online booking feature saves a lot of time and effort, thus, making valuable use of the human resource.

2.3 Benefits of the Project

This can become a perfect destination for the people who are looking for some time saving and some real time entertainment. Without having to go all the way to the multiplexes

physically, users can easily sit back at home and book movie tickets when and where required.

2.4 Scope

This is an application which will fulfill the following characteristics. This will enable the individual as well as the organizations to create and expand their business without much of the efforts. This can be grouped as following:

1) **Project developer Requirement**: Those company which are the new one in the market and require developer for respective technology they can update on this application as the Vacancies open in respective companies.
2) **Project Requirement**: Those Persons who are looking for the better job they can work through this website. They are able to get projects from the companies registered over this application.
3) **Ticket booking**: Without having to go all the way to the multiplexes physically, users can easily sit back at home and book movie tickets when and where required.
4) **On-line service:** A developer has to give location before booking any ticket. If he/she fills up the required details, then he/she can book the tickets.

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CHAPTER-3 System Planning

3.1 Feasibility Study

This system is technically feasible. The nature of the language in which we are building the system is very supportive activity can be easily implemented. The defect can be easily reduced to a level matching the application needs. The implementation is quite supportive.

As we are going to develop a web application using PHP with HTML and j-Query framework in our project, we need proper knowledge of technology and its function areas. We should make sure that functionalities specified in system could be achieved using this technology. We should refer to other applications developed using this technology for better understanding. Books, online tutorials and other resources on internet might help to much extend.

The measure of how beneficial or practical the development of an information system will be to an organization. Different types of feasibilities are:

❖ **Technical Feasibility Study:**

It is a measure of the practicality of a specific technical solution and the availability of technical resources and expertise. The necessary technology viz. front-end development tool Adobe DreamweaverCS5 along with the SQL Server is available in the system.

❖ **Economic Feasibility Study:**

- A measure of the cost effectiveness of a project or solution. It takes into account costs and benefits. Thus it is often called Cost-Benefit Analysis.
- Economic feasibility determines whether the time and money are available to develop the system includes the purchase of new Hardware, Software.
- Entire system is being automated including ticket generation. This would considerably reduce chances of error and speed up the entire process.
- This would also synchronize the activities among the users that would finally reduce the data compilation time.
- All these benefits in terms of saving time, minimization of errors, data compilation, etc. can go a long way in improving the overall efficiency of the organization. The project is therefore economically feasible.

❖ **Operational Feasibility Study:**

The measure of how well the solution of problems will work in the organization. (Is the problem worth solving?) It is also a measure of how people feel about the system project.

- Operational feasibility determines if the human resources are available to operate the system once it has been installed.
- Users that do not want a new system may prevent it from becoming operationally feasible.

❖ **Time Duration:**

The critical dimension to study is to analyse. The time periods, in which our website will be launched into the market, we will try to give services through strong research work. Through it is short time for this kind of project; we will try developing it satisfactorily. As we have followed time management techniques, it might help us.

❖ **Resources:**

We have enough resource to get our project success complete it within time limit. Also our team members are acquainted to such type of development environment.

3.2 Implementation and Developing of our project

In our project, we have followed this model strategy which helps us to prepare a better final product.

One effective use of this type of model is for product development, in which the developers themselves provide the specifications and therefore have a lot of control on what specifications go in the system and what say out. In fact, most products undergo this type of development process. First, a version released that contains some capability. Based on the feedback and experience with this version, a list of additional desirable features and capability are generated.

- First task of our project begins with requirement analysis, in this task we try to understand what users ask and what he wants?
- Then we are reviewing our self what we understand about project and prepare problem specification, which we had discussed internally with our Guide.
- And finally they approve problem specification and the requirement analysis task gets over.
- Then we started to design my project.
- Initially we had started by building UMLs for the project. These UMLs are useful to understand the flow of the project and data within it.
- We prepared Data Flow Diagrams. It shows the whole flow of our project.
- After successful completion of the design task we started coding for this project.
- During the coding phase we had worked on module bases. Initially we had started building login module and then we decided to move towards modules in order as described below: ○Admin Module ○Company Module ○Developer Module ○On-Line Examination ○Social Networking Module ○Job portal
- After some Module wise coding the most important and difficult task is testing.
- We had internally generated test cases & done a small level testing.

- System Component

❖ **Admin :**

Admin side is provided with the facility to register the users on our system, maintain the track records and database and ensuring regular backup.

❖ **User :**

The Users can view our website without logging in, but in order to book the tickets and make the required payments, the Users are provided with a facility of logging in by creating their account on the 'Sign Up' page. After providing the required information for log in, the users can then book movie tickets through our website by providing their location (i.e city of the multiplex). In order to make our interface better, we provide the users with a 'Feedback' facility, wherein they can give us their views and help us to improve our website and make our interaction more user-friendly.

- System Module

❖ **Admin Module:**

- Secure login system (Master admin)
- Developer management (Add, Edit, Delete)
- Show movie details
- Show feedback
- Database
- Regular backup

❖ **Manager Module:**

- Manager login
- Update the database
- User Profile Management(Add, Update, Delete)
- Search movies and show times

❖ **User Module :**

- User login
- Select location
- Book tickets
- Cancellation
- Provide feedback
- Confirmation of ticket booking

-Functional requirements

❖Manager Module:

- **Log in**

  It requires email and password. And after submit it user should access the entire application.
  Input: Email and password.
  Output: Home screen.

- **Manage profile**

  User can create, edit, update & delete profile.
  Input: Insert details: name, id.
  Output: Profile successfully created.

- **Provide Confirmation**

  Managers will confirm the ticket booking as per seats selected by the users.

- **Process feedback**

  Manager will view the received feedback and process the necessary changes, if any.

❖User Module:

- **Sign up**

  Users are required to provide the following details: name, e-mail, phone number, password, gender and their date of birth.
  Input: Above mentioned attributes.
  Output: Home page.

- **Log in**

  It requires username and password. And after it is submitted, the user can access the entire website.
  Input: Username and password. **Output**:
  Home screen.

- **Home page**

  It shows all functionality of the webpage. From this user can access entire website.

- **Find multiplexes**

  User, once after enters the location, is provided with a list of movies available in their respective city.

  After this, they can select the multiplex and show times.

- **Post feedback**

  Users can rate our website based on their ticket booking experience.

❖**Admin Module:**

- **Log in**

  It requires username and password .And after submit it user should access the entire website.

  Input: Username and password. **Output:**
  Home screen.

- **Home Screen**

  It shows all functionality of the website. From this admin can access entire website.

- **Manage Users and Managers**

  It should provide the admin with a facility to keep track of the users logging in, and the managers.

  Input: Provide admin to delete, block-unblock, keep records, etc.
  Output: Successfully approve.

-Non-Functional Requirements

1: Database

Description: Website should store and retrieve data from SQL Server.

2: Platform

Description: Website should run on every web browser connected through xampp server.

CHAPTER-5 Data Dictionary

Data Dictionary

The data dictionary of any system is an integral component of structure analysis, since data flow diagrams by themselves do not fully describe the subject under investigation about the system.

A data dictionary is a catalogue a repository of the elements in the system. These elements enter on data and the way they are structured to meet user requirements and organization needs. This step of creating a data dictionary is simultaneous with the process of making data flow diagram(s). Here all the data fields in their respective tables are allotted so as to access these data in the system.

It is developed during data flow analysis and assists the analysts involved in determining the system requirements. Analysts use data dictionary for the following important reasons to manage the details in large system.

For document the features of the system:

- To facilitate analysis of the details in order to evaluate the characteristics and determine where system changes should be made.
- To locate errors and omissions in the system.

5.6 Database Tables

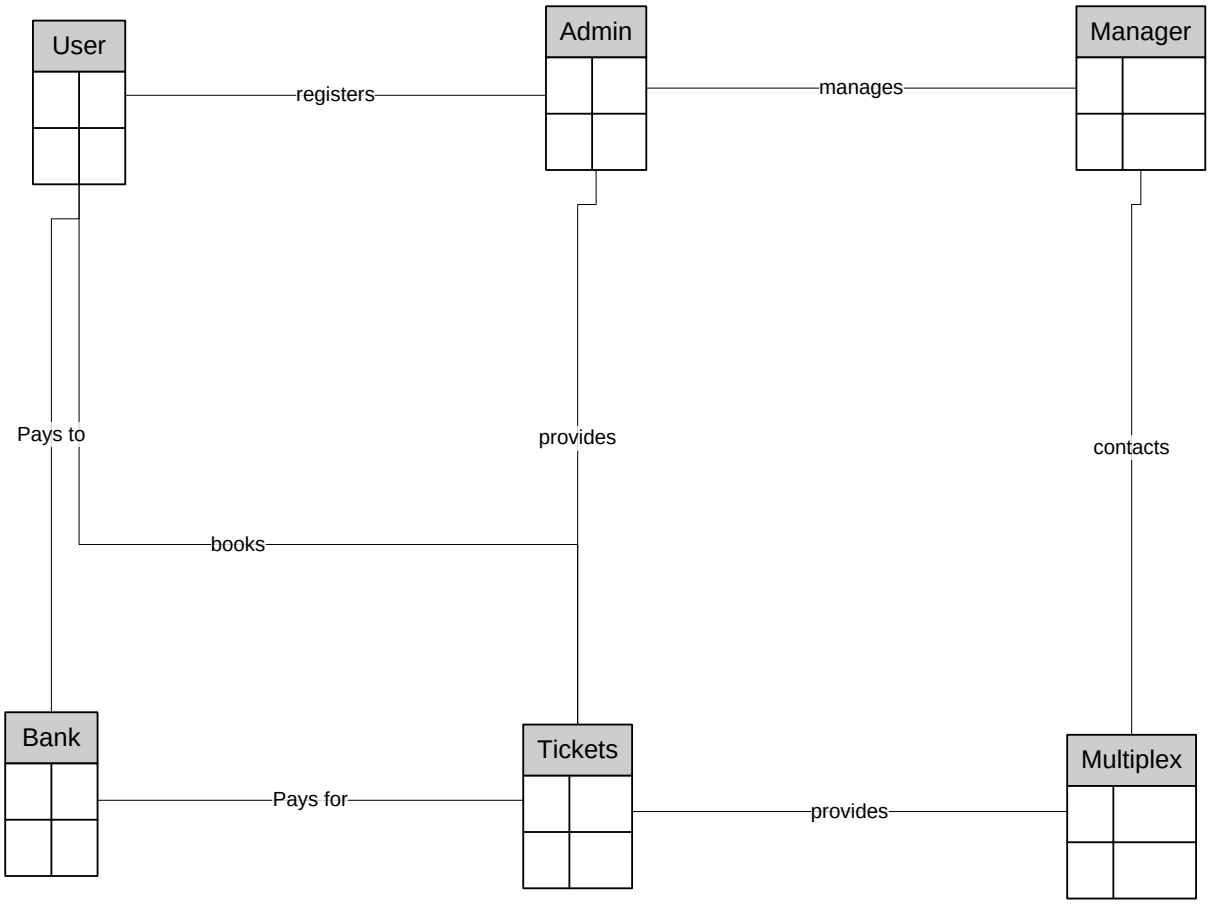
Column Name	**Data Type**	**Size**	**Constrains**	**Description**
Name	Varchar	11		Store name
Email	Varchar	11		Store email
DOB	Varchar	100		Store Date Of Birth
Password	Varchar	15		Store password
Mobile	Varchar	15	primary key	Store mobile no
Country	Varchar	15		Store country
City	Varchar	15		Store city

Table 5.6.1: Booking Details

Column Name	Data Type	Si ze	Constrain s	Descriptio n
BK_ID	Int	10	Primary Key	Store booking id
User_ID	Varchar	30		Store Id of username
Show_ID	Varchar	10		Store Movie show ID
Seat_ID	Varchar	10		Store seat ID
Seat_No	Varchar	10		Store seat No
Amt	number	10		Store Amount
Date	Date			Store Date

CHAPTER-6 Structural View Diagram

6.1 ER Diagram

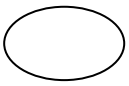
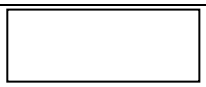
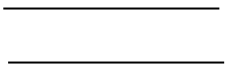


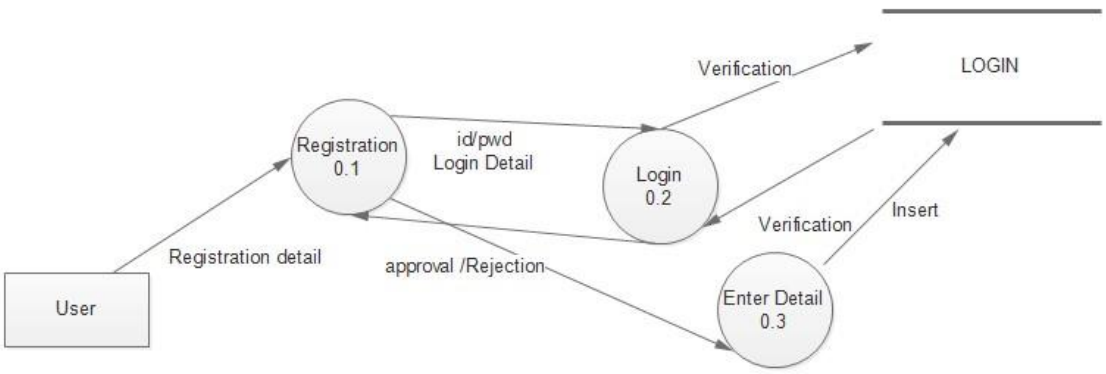
6.2 Data Flow Diagram (DFD).

❖ DFD levels:

1) Context (Zero) level diagram
2) First (High) level diagram
3) Second (Low) level diagram

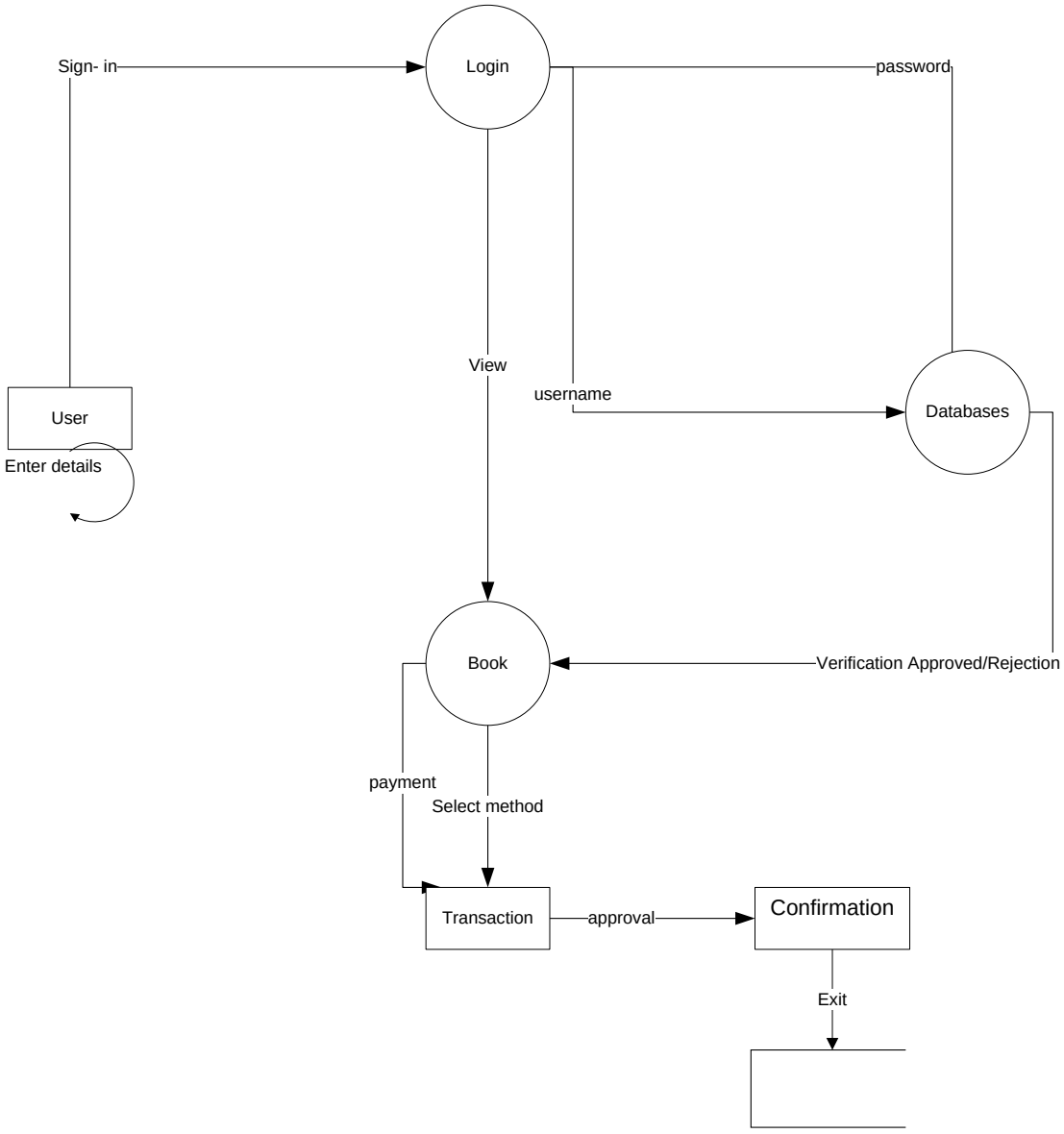
❖ Symbols Used In DFD'S :

	**Process**
	**External Entity**
	Data Flow
	**Data Source**



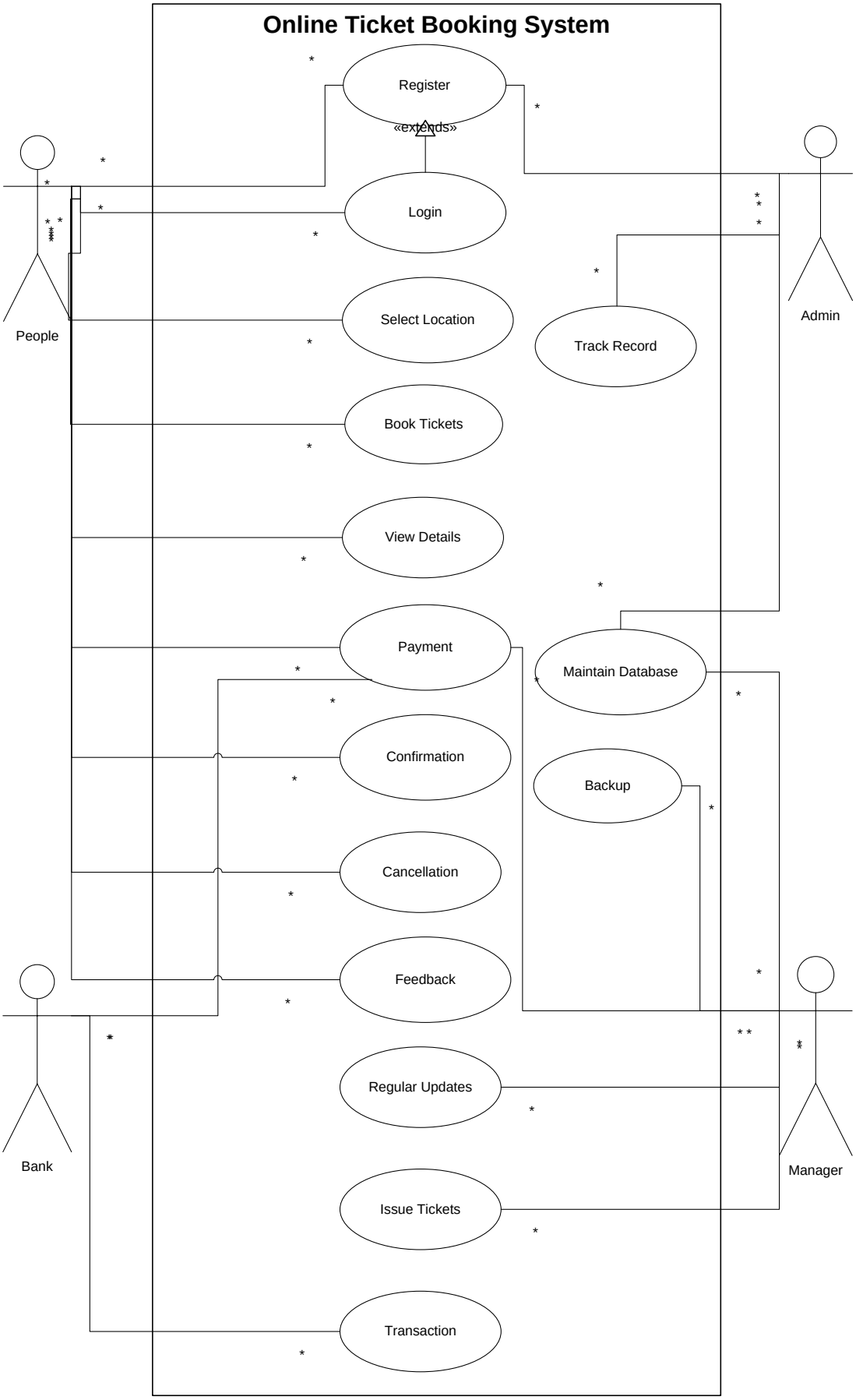
Level 0 DFD

Level 1 DFD

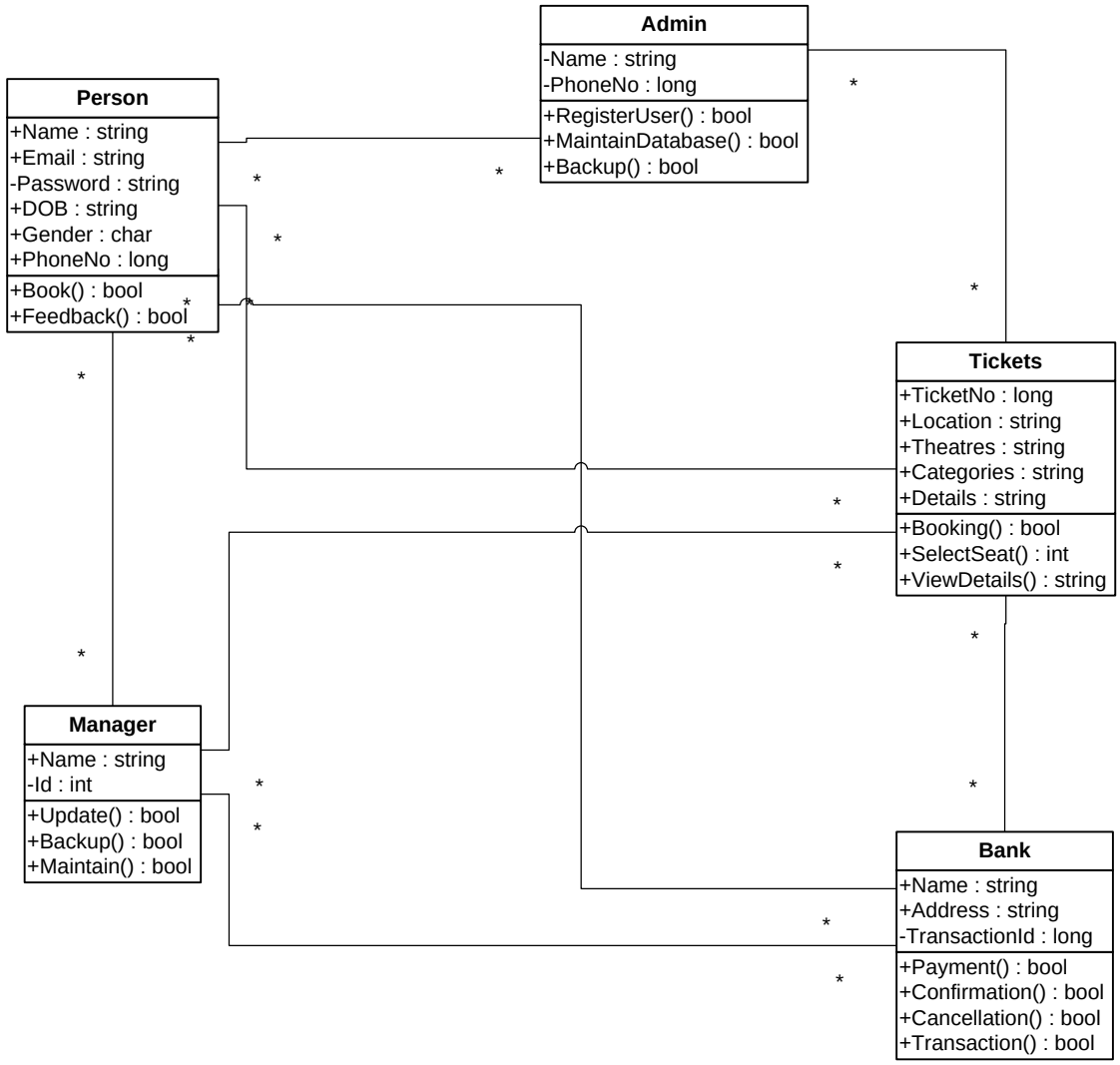


CHAPTER-7 User's View and Behavioural Analysis

7.1 Use-case Diagram

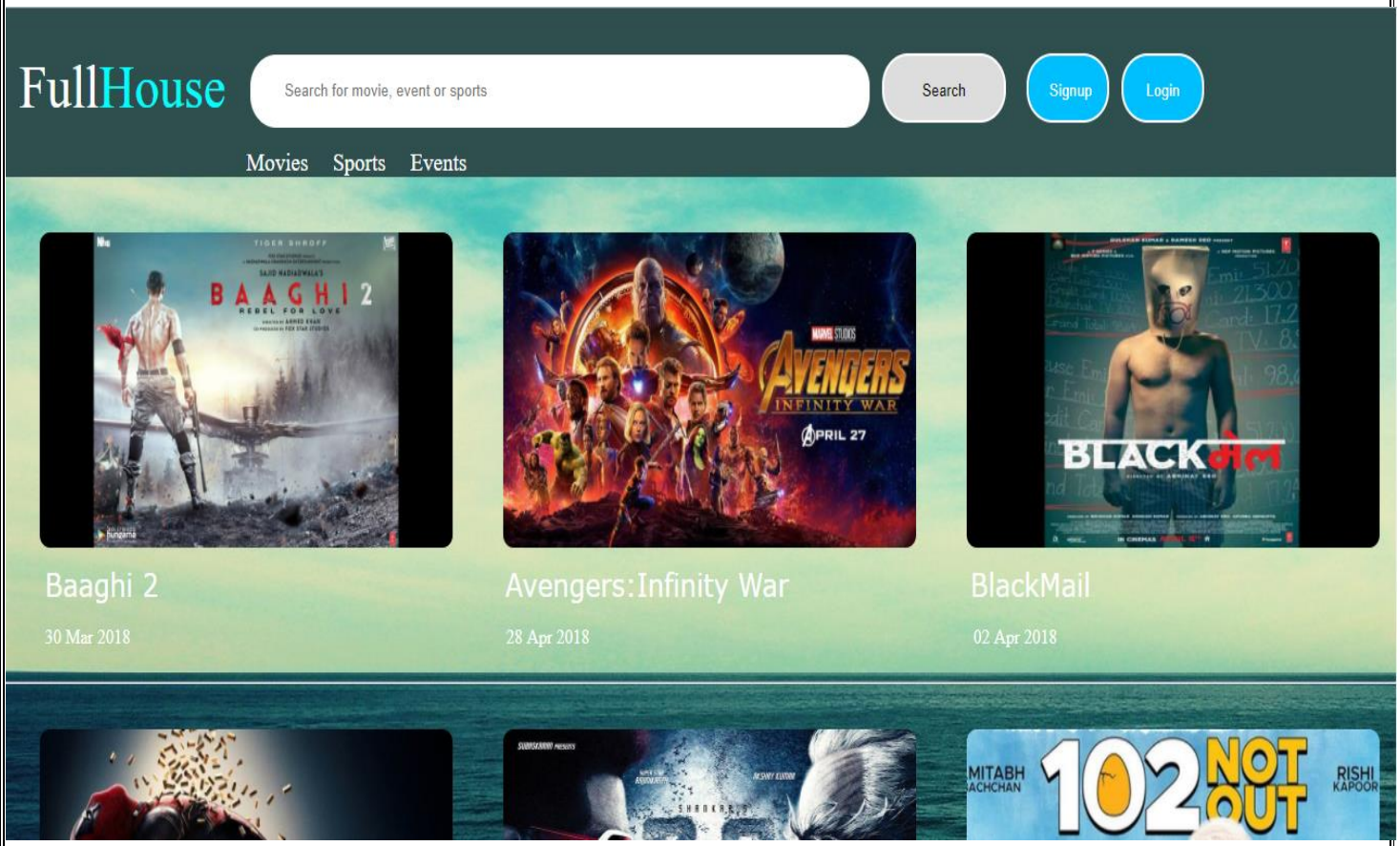

Online Ticket Booking System
Register
«extends»
Login
Select Location
Track Record
Book Tickets
View Details
Payment
Maintain Database
Confirmation
Backup
Cancellation
Feedback
Regular Updates
Issue Tickets
Transaction
People
Admin
Bank
Manager

7.2 Class Diagram

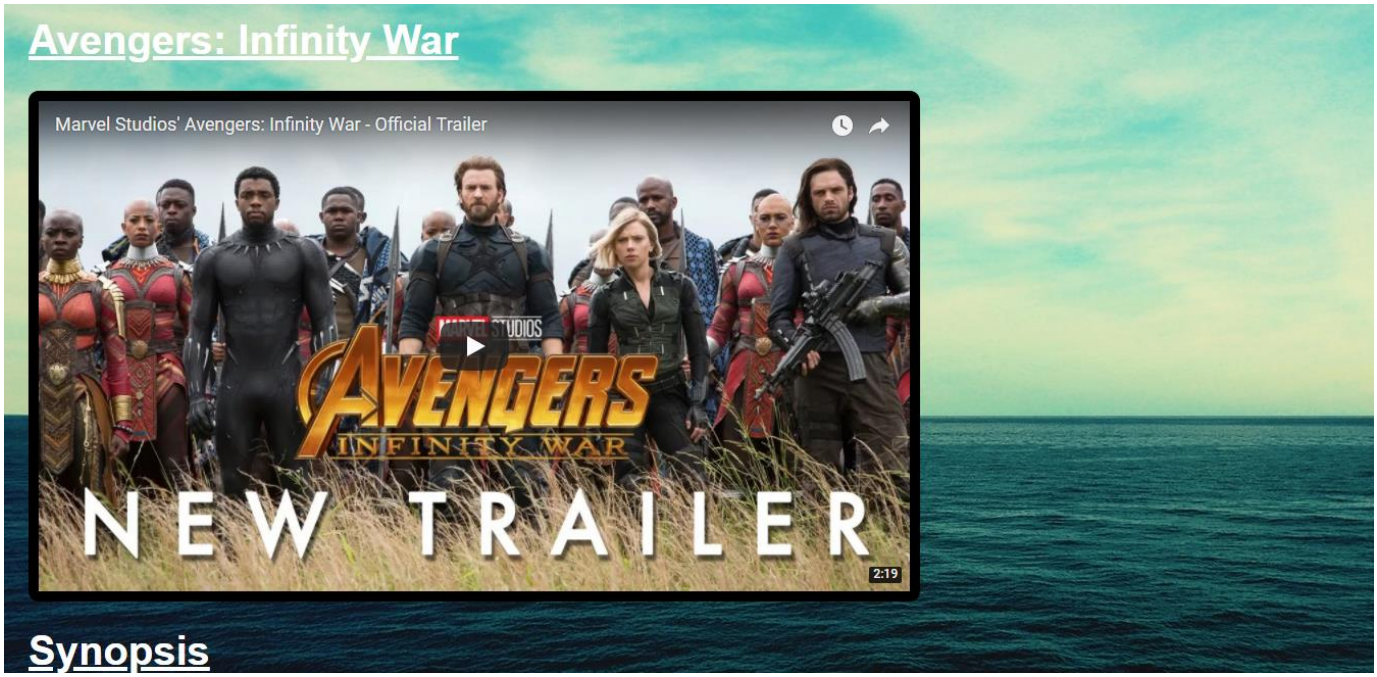


CHAPTER-8 User Interface

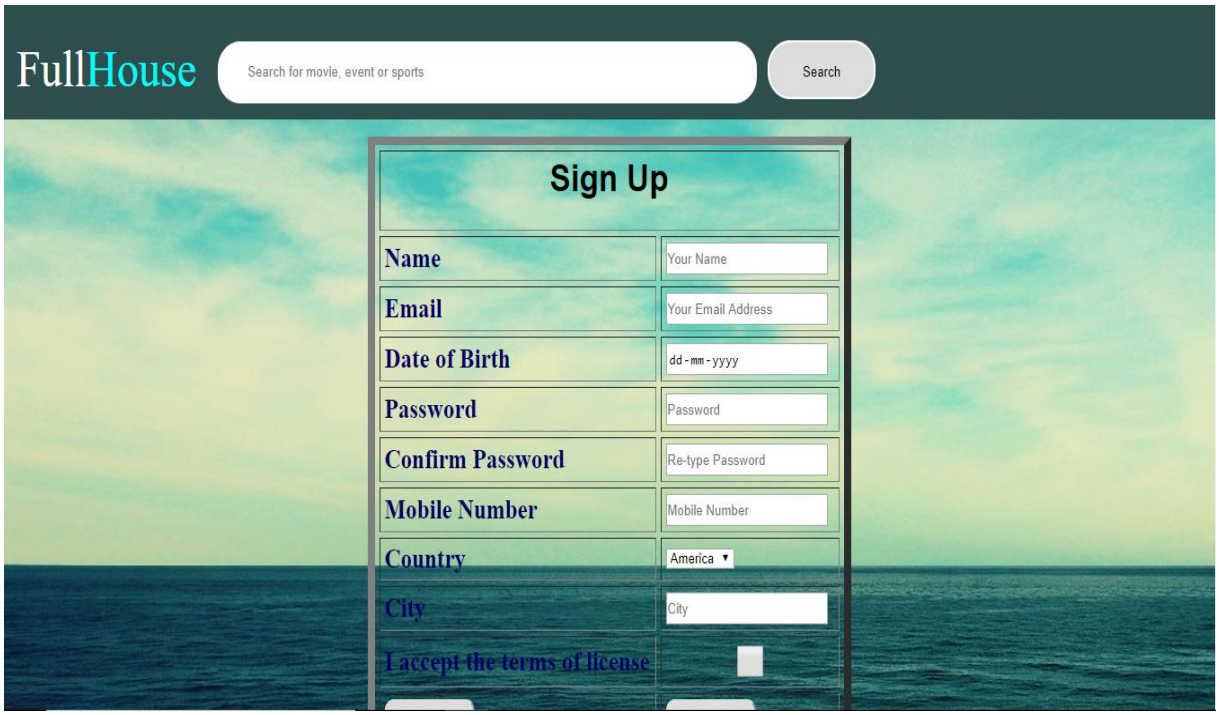
This is the home page of our website.



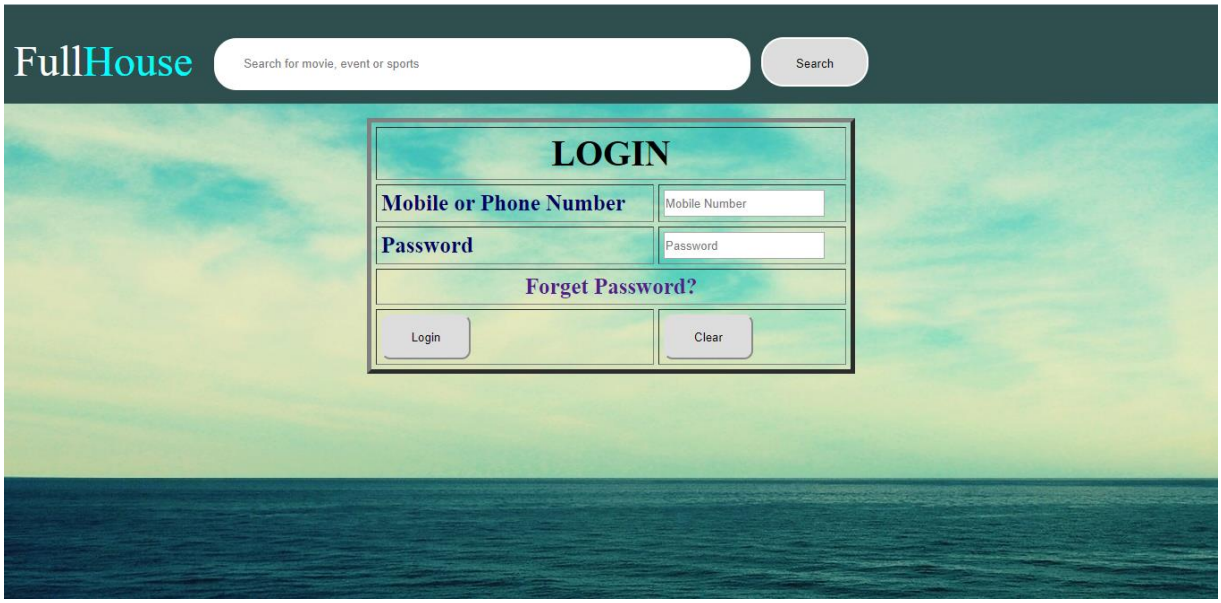
This is the page where the information about the movie is given



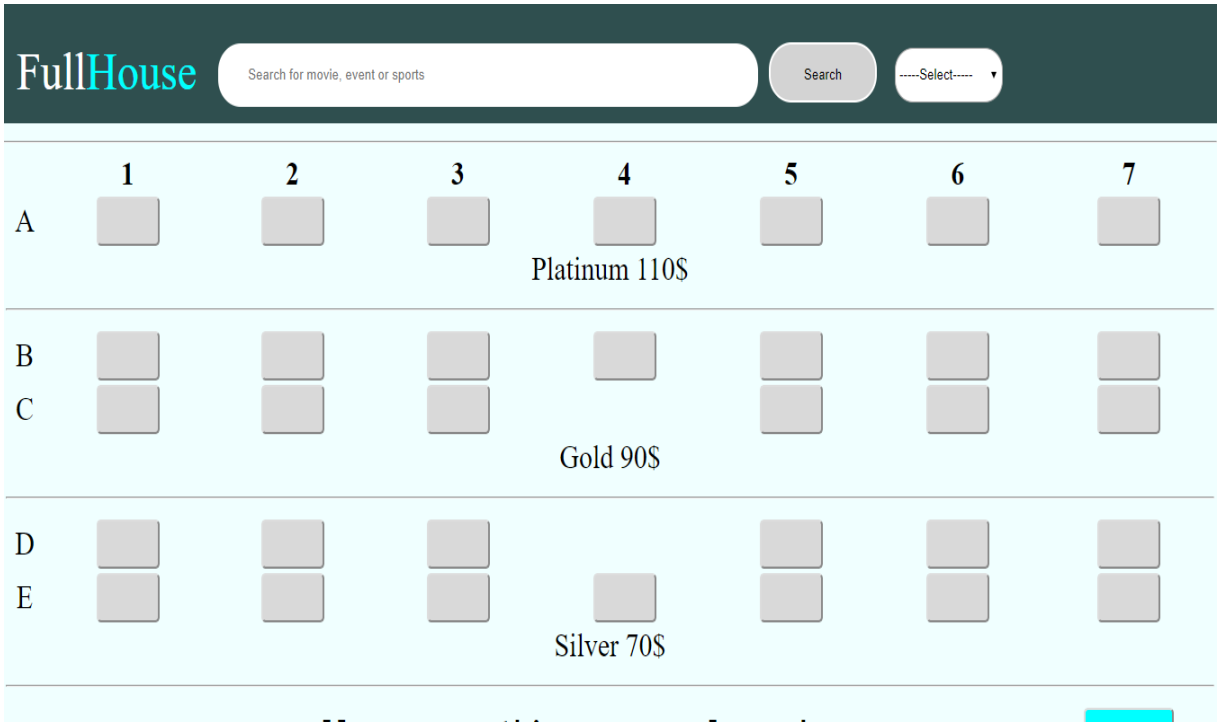
This is the Signup page:



This is Login page



This is the Booking page



CHAPTER-9 Testing

9.1 Software testing

Software testing is a process of executing a program or application with the intent of finding the **software bugs**.

- It can also be stated as the **process of validating and verifying** that a software program or application or product:
- Meets the business and technical requirements that guided it's design and development
- Works as expected
- Can be implemented with the same characteristic.

Let's break the definition of **Software testing** into the following parts:

1) **Process:** Testing is a process rather than a single activity.

2) **All Life Cycle Activities:** Testing is a process that's take place throughout the **Software Development Life Cycle (SDLC)**.

- The process of designing tests early in the life cycle can help to prevent defects from being introduced in the code. Sometimes it's referred as **"verifying the test basis via the test design"**.
- The **test basis** includes documents such as the requirements and design specifications.

3) **Static Testing:** It can test and find defects without executing code. Static Testing is done during verification process. This testing includes reviewing of the documents (including source code) and static analysis. This is useful and cost effective way of testing. For example: reviewing, walkthrough, inspection, etc.

4) **Dynamic Testing:** In dynamic testing the software code is executed to demonstrate the result of running tests. It's done during validation process. For example: unit testing, integration testing, system testing, etc.

5) **Planning:** We need to plan as what we want to do. We control the test activities, we report on testing progress and the status of the software under test.

6) **Preparation:** We need to choose what testing we will do, by selecting test conditions and **designing test cases**.

7) **Evaluation:** During evaluation we must check the results and evaluate the software under test and the completion criteria, which helps us to decide whether we have finished testing and whether the software product has passed the tests.

8) **Software products and related work products:** Along with the testing of code the testing of requirement and design specifications and also the related documents like operation, user and training material is equally important.

TYPES OF TESTING:

1) Unit testing
2) Black box testing
3) White box testing
4) Integration testing
5) System testing

1)Unit testing: In unit testing the individual components are tested independently to ensure their quality. The various units of our project are:

- Login
- Registration
- Enter freelancer's details
- Enter company profile
- Enter projects
- Bid on projects

Each units have been tested independently to ensure their proper functioning.

2)Black box testing: The black box testing is used to demonstrate that the software functions are operational. The functions in our project are:

- Insert
- Delete
- Search
- View

Each of the functions fully work according to their functionalities.

3) White Box testing: In White box testing, the procedural details are closely examined. We have implemented our project using HTML, CSS, Javascript, JQuery & PHP. We have created 7 databases for various modules .

Specific sql commands have been used to connect and interact with the database.

4) Validation testing: We have validated the password and confirm password fields in the login form.

Wrong Password:

CHAPTER-10 Project Schedule

Sr No	Date	Topic Covered
1	01/01/2017	Deciding topic and discussing its feasibility—Rent A Coder
2	08/01/2017	Analysis of the project and collecting data
3	22/01/2017	Requirement gathering
4	29/01/2017	Draw use case diagram
5	12/02/2017	Draw activity diagram
6	19/02/2017	Draw sequence diagram
7	26/02/2017	Draw DFD
8	05/03/2017	SRS documentation starts
9	12/03/2017	Making data dictionary
10	26/03/2017	Implementation of project in PHP
11	02/04/201 7	Implementation
12	09/04/2017	Testing