

## PROTOTYPE OF BOOKMYSHOW

### Requirements:

#### 1) Login:

##### General Description:

- Login screen will appear when the user clicks on the login link on the home page of the application.
- On login screen, User will be asked for a username and password.
- If User enters a valid username and password then user will be redirected to the movie list page.
- If User enter invalid username and password then user will be get validation error on the same page.

##### Technical Description:

- We will have **REST** APIs for  
Login **POST**: To Validate Username and Password.

#### 2) Register:

##### General Description:

- Registration will be done by the new user which want to book tickets using the application.
- Registration form will consists of the following fields:-

1. First Name
  2. Last Name
  3. Email Id
  4. State
  5. City
  6. Age
  7. Date of birth
  8. Password
  9. Confirm Password
  10. Payment details, etc.
- User will be redirected to the login page after the successful login.

#### **Technical Description:**

- We will have Rest API for :
  1. Register **POST**: To create a new user.

### **3)Movie List**

#### **General Description :**

#### **Based on Role**

##### **Admin :**

- After Successful login, admin can add, update or delete - Movie, Theatre and it's timing for which same will be reflected on database.

**User :**

- After Successful Login, user will be have access to the Movie List, it will display all the movies available.
- On selecting any one Movie, it will then display timings and theatre available for the same.
- User can choose from the given available theatre and timings.
- On selecting any one particular given time and theatre, all the details about the movie will be displayed.
- Movie, theatre name and time will be stored in the database for the same.

**Technical Descriptions :****REST API :**

1. Movie **GET** - To get the list of Movies, theatre and timings.
2. Movie **POST** - To create a new movie with theatre and timings.
3. Movie **PUT** - To update specific movie,theatre and it's timing.
4. Movie **DELETE** - To delete specific movie.

**4)Movie Details****General Description:**

- A formal document that shows the list of current movies and it's details like Movie cast, Release date, Votes by people etc. along with the short trailer of the movies.
- The trailer will be fetched from YouTube according to the movie releases.
- It will also have some short details regarding the upcoming movies and the current top-rated movies.
- These details will be added and updated by Admin.
- When user clicks on a movie tab from dropdown list, this page will appear. It will allow user to see the details and then go for the book ticket option.
- Once user clicks the button, the page for the payment methods will be shown.

**Technical Description:**

1. Movie List **GET**: To get the list and all other details about the movie.
2. Book Ticket **POST**: To initialize the further payment process after the user finalizes the movie.

## **5)Seat Selection, allocation and confirmation:**

### **General Description:-**

- User click on book ticket button.
- User select theatre and show timing.
- User redirect to new page for selecting number of seat.
- There are two types of seats available and not available
- After choosing seats user click on confirm seats.
- User redirect to payment options.

### **Technical Description:-**

We use API's for

1. Select seats.
2. Allocating seats .
3. And locking system avoiding two request at same time.

### **General Description:**

- After selecting the seats user will be directed to payments page.
- It will display list of payment methods as follows
  - i. PayU Money
  - ii. Google Pay

User can use PayU for making payment through Credit/Debit/ATM card, or using UPI ID payment can be done via Google Pay.

- After selecting payment method, user will be asked to enter details.
- If the details are valid, a transaction id will be sent to user email , and the data will be stored with the id in database.
- If payment details are invalid , error message will be printed and user will be redirected to payment page within 10 seconds.

#### **Technical Description:**

- **REST API:**
- **POST** - For showing details after transaction completion.

#### **6)Customer Care:**

##### **General Description:**

- The page will consist of contact information for the customer grievances.
- It will have the general contact details like customer care number, mail Id to enquire.
- It will show a form first which will consist of a text box to file a complaint. The user will give the login information for filling form.
- Once the user clicks the submit button, the message of maximum response time will be flashed on the screen and a mail will be sent to the customer about it.

##### **Technical Description:**

The submit **POST**: For sending the enquiry form filled by user to the customer support