**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 :**

**User :**

* + - After Successful Login, user will be directed to the Movie List Page.
    - It will display all the movies available.
    - On clicking any one Movie, it will then display timings and theatre available for the same.
    - User can choose from the given available theater and timings.
    - On Clicking any one particular given time, User will be directed to the next Page which will display all the details about the movie.
    - Movie, theatre name and time will be stored in the database for the same.

**Admin** :

Add Button -New Movie, Theatre and it’s Timings can be added and stored in database.

Update Button- Update Movie, Theatre and it’s Timings the database.

Delete Button -Delete Movie, Theatre and it’s Timings from database.

**Technical Description** :

-**REST API** : Movie **GET** - To get the list of Movies, theatre and timings.

Movie **POST** - To create a new movie with theatre and timings.

Movie **PUT** - To update specific movie, theatre and it’s timing.

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

1. PayU Money
2. 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 invaild , 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