

# PHASE-6 CAPSTONE PROJECT02-

## MyMoviePlan (DOMAIN: Entertainment)

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### **Project Objective & Background:**

NMS Cinemas is a chain of single screen theatres that screen movie shows of different genres and languages at very genuine prices. It was established in 2004 in Pune, India. Recently, the business analysts noticed a decline in sales since 2010. They found out that the online booking of movie tickets from apps, such as BookMyShow and Paytm were gaining more profit by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop an online movie ticket booking web application with a rich and user-friendly interface.

You are hired as the Full Stack Java developer and are asked to develop the web application. The management team has provided you with the requirements and their business model so that you can easily arrange different components of the application.

### **Developer Details:**

**Name:** Deeksha Singh Gaur.      **Email:** [Deekshasinghgaur97@gmail.com](mailto:Deekshasinghgaur97@gmail.com).

**Github link:** [https://github.com/deekshasinghgaur97/My-Movie-Plan-Java Project-.git](https://github.com/deekshasinghgaur97/My-Movie-Plan-Java-Project-.git)

### **Features:**

#### **Admin Portal:**

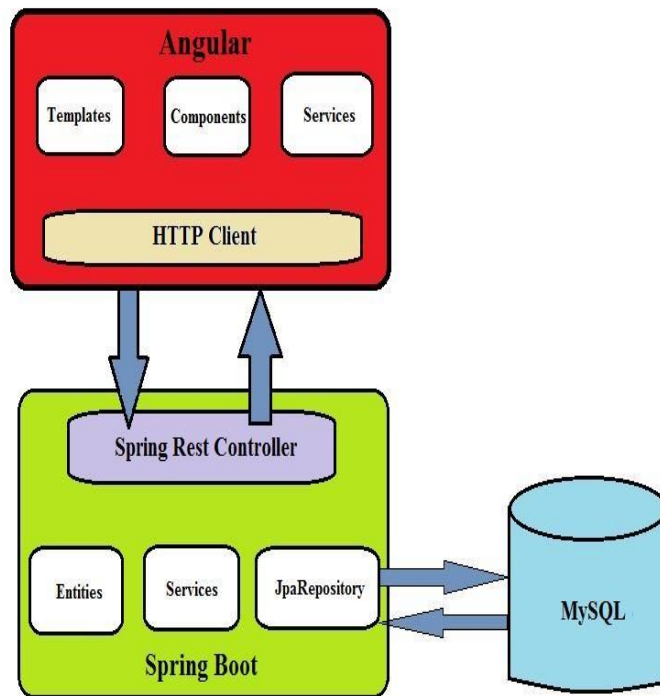
- It deals with all the backend data generation and product information. The admin user should be able to:
- Add or remove different genres to or from the application to build a rich product line

- Edit movie details like name, ticket price, language, description, and show timings to keep it aligned to the current prices
- Enable or disable the movie shows from the application

### **User Portal:**

- It deals with the user activities. The end-user should be able to:
- Sign-in to the application to maintain a record of activities
- Search for movie tickets based on the search keyword
- Apply filters and sort results based on different genres
- Add all the selected movie tickets to a cart and customize the purchase at the end
- Experience a seamless payment process
- Receive a booking summary page once the payment is complete

## **Core Concepts Used and Project Architecture:**



- Angular framework for frontend UI's. Spring boot framework for backend .
- MySQL Database for storing all the data.
- HTML, Bootstrap 4.
- Typescript.
- Spring Security and JWT Authentication.
- Spring Data Jpa, Spring Web.

## **Sprint Planning and Task Achieved:**

Number of sprint planned = 4.

### **Sprint 1:**

1. Planned to develop backend code for project. Generated Spring boot project from <http://start.spring.io>.

2. Planned to develop the rest api's to create Admin and User. Used spring security and Jwt authentication to achieve this task.
3. Planned to develop api's for admin portal to add, update, delete, enable or disable products.
4. Successfully developed and tested the admin portal rest api's using Postman software.
5. Planned to develop frontend code for project. Generated Angular project using angular cli.
6. Planned to develop login ui for admin and user portal. Successfully developed the ui's for admin and user.
7. Planned to develop admin dashboard that enables admin to perform the required functionalities. Successfully developed the admin dashboard.

## **Sprint 2:**

1. Planned to develop home page of the application. Successfully developed the home ui of the application.
2. Planned to develop Sign up ui for users. Developed successfully.
3. Planned to develop ui for search product based on keyword, show product based on category. Successfully developed the ui's for user portal feature.
4. Planned to develop user home ui. Developed successfully.

## **Sprint 3:**

1. Planned to develop add to cart feature ui in user portal. Developed successfully.
2. Planned to develop rest api's to create an order and to view orders by user. Successfully developed and tested the user order api's using postman software.
3. Planned to develop create a new order ui in user portal. Developed successfully.

4. Planned to develop ui's for order summary, show all orders in user and admin portal. Developed successfully.

### **Sprint 4:**

1. Planned to test the complete web application by giving the required inputs in respective fields.
2. Successfully tested all the admin portal features and user portal features.
3. The Web application is responsive, secure and all features are working as per the given requirements.