

Capstone - Course-end Project 2

My Movie Plan

Developed by: Narendra Kumar .V

(Emp-ID_10847)

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DESCRIPTION

Create a dynamic and responsive web application for booking movie tickets online for different genres and languages.

Background of the problem statement:

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.

Features of the application:

1. Registration
2. Login
3. Payment gateway
4. Searching
5. Filtering
6. Sorting
7. Dynamic data
8. Responsive and compatible with different devices

Recommended technologies:

1. Database management: MySQL and Oracle
2. Backend logic: Java programming, NodeJS
3. Frontend development: JSP, Angular, Bootstrap, HTML/CSS, and Javascript
4. Automation and testing technologies: Selenium, Jasmine (frontend testing), and TestNG
5. DevOps and production technologies: Git, GitHub, Jenkins, Docker, Kubernetes, and AWS

Project Overview:

The Movie Ticket Booking Application is a digital platform that aims to facilitate the purchase of Movie tickets to customers. It provides a convenient and efficient way for users to Tickets online, browse a wide range of Cinemas,The application serves as a bridge between Theater oweners,and Movie Lovers , enhancing accessibility to Booking Tickets

Key Features:

User Registration and Authentication:

Search and Shows Listing:

Online Booking and Payment:

Admin can Change the status of the Show Details if it should be visible to user

Library's Used

React-use-cart: This is a Wonderful_Library_which will let user store the data in Local Storage whether he signed in or not

Axios: This library is used to Make API calls For methods like GET,POST,PUT

Bootstrap: This is Front end designing library used to design application easily

React-Router-Dom: Used to navigate through the react Application

And many more.....

Sprint Planning:

Sno	Sprint	Duration
1	Creating database structure and project flow	1-week
2	Developing Spring boot application	1-week
3	Developing React Application	1-week

Technologies Used:

React

React-router-dom

React-redux

Bootstrap

axios

React-use-cart

SpringBoot

Mysql

Project Git hub links:

Spring Boot Application

[My Movie Plan-Backend Project](#)

React Application

[My Movie Plan-Frontend Project](#)

Conclusion and Unique Selling Points:

This Application is a Type of Ecommerce Application in this only Movie Ticket Booking, In Future This can be improved by tracking the Tickets Booked