**Capstone Project**

**Medicare**

**Developer Details :**

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**Project Objective:**

The objective of the My Movie Plan project is to develop a dynamic and responsive web application that enables users to book movie tickets online for different genres and languages. The application aims to provide a rich and user-friendly interface, seamless payment integration, efficient search, filtering, and sorting capabilities, and a responsive design to enhance the user experience and streamline the process of booking movie tickets.

**Overview:**

My Movie Plan is a Java-based web application designed to facilitate the online booking of movie tickets. It offers two portals: the admin portal for managing movie and genre information, and the user portal for users to browse and book movie tickets. The application incorporates features such as user registration, login, payment gateway integration, movie searching, filtering options, sorting capabilities, dynamic data retrieval, and a responsive design compatible with different devices.

**Capabilities and Appearance:**

- User Registration: Users can create accounts by providing necessary details.

- User Login: Registered users can log in to the application securely.

- Payment Gateway: The application integrates a payment gateway for seamless and secure transactions.

- Movie Searching: Users can search for movies based on keywords or specific criteria.

- Filtering: Users can apply filters to refine search results based on genres or other parameters.

- Sorting: Users can sort the displayed movies based on different criteria, such as ticket price or popularity.

- Dynamic Data: The application fetches and displays data dynamically, ensuring up-to-date movie information.

- Responsive Design: The user interface is responsive and compatible with different devices, providing a consistent experience.

**User Interactions:**

1. User Registration: Users can create accounts by providing necessary details, such as name, email, and password.

2. User Login: Registered users can log in to the application using their credentials.

3. Admin Portal: Admin users can manage movie and genre information by adding or removing genres, editing movie details, and enabling or disabling movie shows.

4. User Portal:

- User Login: Users can log in to maintain a record of their activities.

- Movie Ticket Search: Users can search for movie tickets based on keywords or specific criteria.

- Filtering and Sorting: Users can apply filters and sort search results to find desired movies.

- Cart Management: Users can add selected movie tickets to the cart, customize the purchase, and proceed to checkout.

- Payment Gateway: Users can complete the payment process securely through the integrated payment gateway.

- Booking Summary: After successful payment, users can view a booking summary page with details of their purchase.

**Sprint Planning:**

The project will be divided into four sprints, with each sprint delivering a minimal viable product (MVP) to meet specific objectives. The planned sprints are as follows:

\*\*Sprint 1: User Registration, Login, and Admin Portal\*\*

- Implement user registration functionality.

- Develop user login functionality.

- Create the admin portal for managing movie genres and information.

\*\*Sprint 2: Movie Searching, Filtering, and Sorting\*\*

- Implement movie searching functionality to enable users to search for movies.

- Develop filtering options for refining search results based on genres or other criteria.

- Implement sorting capabilities to allow users to sort movies based on different criteria.

\*\*Sprint 3: User Portal and Cart Management\*\*

- Develop user login functionality for the user portal.

- Implement cart management features for adding and customizing movie ticket purchases.

- Integrate the payment gateway for seamless and secure transactions.

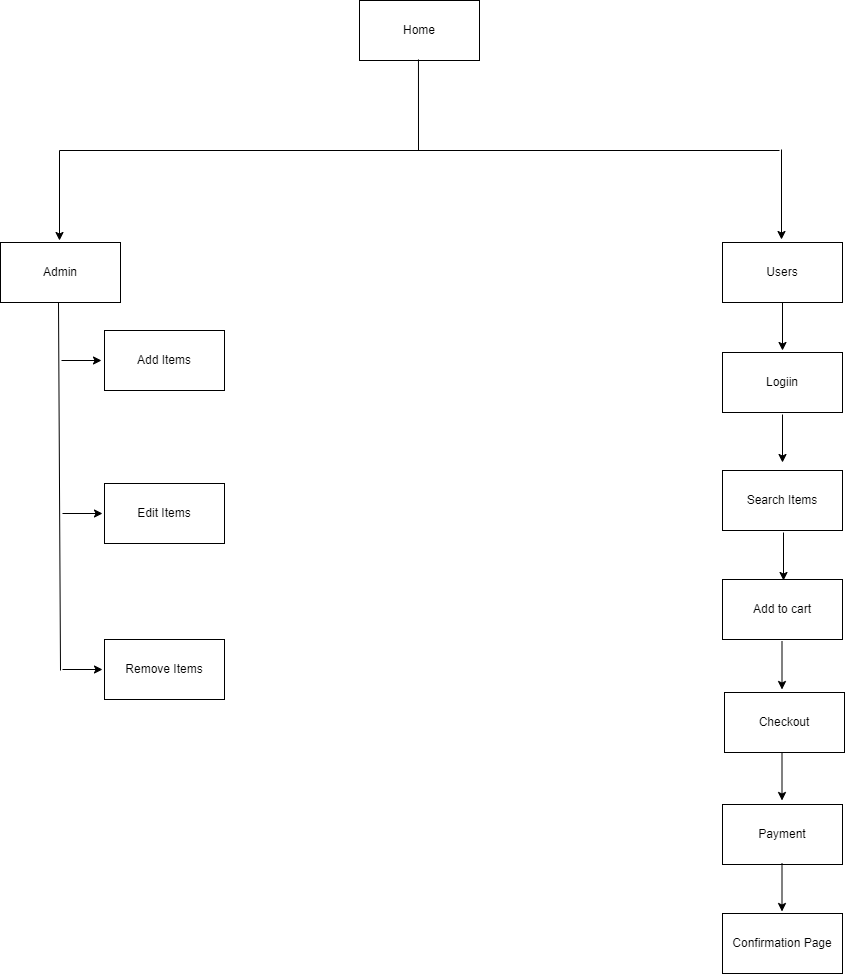
\*\*Sprint 4: Dynamic Data, Responsive Design, and Booking Summary\*\*

- Implement dynamic data fetching to ensure up-to-date movie information.

- Develop a responsive design to provide a consistent user experience across devices.

- Create the booking summary page to display details of the user's movie

**Flowchart of the Application**

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