**Capstone Project**

**Medicare**

**Developer Details :**

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**Project Objective:**

The objective of the Medicare project is to develop a dynamic and responsive e-healthcare web application that allows users to order medicines of different categories. The application aims to provide a user-friendly interface, seamless payment integration, and efficient search, filtering, and sorting capabilities to enhance the user experience and streamline the process of ordering medicines online.

**Overview:**

Medicare is a Java-based web application designed to facilitate the ordering of medicines and healthcare essentials. It provides two portals: the admin portal for managing product information and the user portal for placing orders. The application incorporates features such as user registration, login, payment gateway integration, search functionality, filtering options, dynamic data, and a responsive design compatible with various devices.

**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 product information.

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

- Implement searching functionality to enable users to search for medicines.

- Develop filtering options for refining search results.

- Implement sorting capabilities to allow users to sort products 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 purchases.

- Integrate the payment gateway for seamless transactions.

**Sprint 4: Dynamic Data, Responsive Design, and Order Summary**

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

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

- Create the order summary page to display details of the user's purchase.

**Concepts or Technologies Used:**

- Database Management: MySQL

- Backend Logic: Java programming, NodeJS

-Frontend Development: JSP, Angular, Bootstrap, HTML/CSS, JavaScript

- DevOps and production technologies: Git, GitHub, Docker, and AWS