

Capstone - Course-end Project 1

Medicare

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DESCRIPTION

Create a dynamic and responsive Java e-healthcare web application for ordering medicines of different categories.

Background of the problem statement:

Medicare is a company that supplies medicines and a couple of other healthcare essentials at an affordable price. It was established in 2012 in Delhi, India. It had been serving fine all these years, however, the business analysts noticed a decline in sales since 2017. They found out that online ordering of medicines with companies, such as 100mg and mfine are gaining more profits by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop a healthcare 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 Medicare Application is a digital platform that aims to facilitate the purchase and delivery of medicines to customers. It provides a convenient and efficient way for users to order medications online, browse a wide range of pharmaceutical products, and have them delivered to their doorstep. The application serves as a bridge between customers, pharmacies, and healthcare providers, enhancing accessibility to essential medicines while ensuring convenience, reliability, and safety.

Key Features:

User Registration and Authentication:

Search and Product Listing:

Online Ordering and Payment:

Admin can Change the status of the Product 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

[Medicare-Backend Project](#)

React Application

[Medicare-Frontend Project](#)

Conclusion and Unique Selling Points:

This Application is a Type of Ecommerce Application in this only Medicines are available , In Future This can be improved by tracking the Orders