# Design Document for Medicare(An E-healthcare Web Application)

Developer: Pooja Singh

# Problem Statement

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

# Website Requirement:

The website 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 products based on the search keyword
* Apply filters and sort results based on different cuisines to get the best deals
* Add all the selected food items to the cart and customize the purchase at the end
* Perform a seamless payment gateway
* Get an order summary details page once the payment is complete

**For the above features to work, there will be an admin backend with the following features:**

The admin portal deals with all the backend data generation and product information. The admin user should be able to:

* Add or remove medicine details from the application to build a rich product line
* Edit medicine details like name, price, seller, product description, and offers to keep the product information updated with the current prices
* Enable or disable a medicine product

# Sprints planned

## Sprint 1: Documentation Phase

Duration: 1 Week

Target: To prepare the design document and capture all the requirements.

## Sprint 2: Coding Phase

Duration: 1 Week

Target: Write the website code covering all the requirements.

## Sprint 3: Testing Phase

Duration: 1 Week

Target: Testing and bug fixing.

# User Interactions

The website will open with a homepage having links to login and see different navigation bar.

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

# Technologies Used:

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

Server:

LocalHost

# GitHub:

The project is uploaded to my GitHub account.

https://github.com/pooja-dev-fsd/medicare.git