Phase-6

Full stack java developer

Capstone project

Project :-Food Box

(Specifications and Scrum Details)

The sections in this document are:-

1.Project details and Developer details
2.Sprint Planning and Task Completion
3. Demonstrating the Project Capabilities, appearance, and user Interactions
4.Link to the Git Hub repository
5. Core concepts used in the Project
6.Generic features of the product
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The code for this project is hosted at

Git hub link:- https://github.com/rajashreemuduli/foodbox-caption-e-project.git

The project is developed by Rajashree Muduli

1.Project Details:-

Food Box is a dynamic and responsive online food delivery web application for ordering food items of different cuisines from a restaurant .this is a E-commerce portal that let's people shop basic food items on this website. The website is having the following features.

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

Registration

To create a new user account, that is record in the database describing how you will prove your identity. Registration is used to sign up customers.

Login:-

Login button is used to enter the user details for sign in.

Payment gateway:-

Payment gateway is used to do the payment by customers after ordering the food. And to accept debit or credit card purchases from customers.

When payment is done, it shows a confirmation page with details of the order

Searching:-

Based on the item details entered, it will show the available food items with price

This search box on the web are used to allow users to enter a food item to be searched.

A search form in the home page to allow entry of the food items to be purchased by the customer.

•once a person selects an item to purchase they will be redirected to the list of available items.

Filtering:-

Filtering is useful for any online store, even without extensive list of products.

Filters are used to give a person the opportunity to remove all that is not to the point, so that only what best suits their expectations remains.

Sorting:-

Sorting provides the customer for changing the order of any product listing where by users can choose which criteria they want the products to be listed by. Price conscious web users may choose to list the products in order of price, from cheapest to most expensive.

Dynamic data:-

This allows the users to do interaction with the website. Typically, changes are based on user signals.

Responsible and compatible with other devices:-

This website is responsible and compatible with other devices.

There will be two portal in this application, namely admin and user portal

Developer Details:-

This project is developed by Rajashree Muduli

There are two portals in the application, namely admin and user portal

To work the above features, there will be an admin in Back End with the following features:-

Admin portal:-

- **Admin login page where admin can change password after login if he wants to**
- **A functionality to add or remove food items to or from the application to build rich product line**
- **Edit food items details like name, price, cuisine, description, and offers to keep it aligned to the current prices.**
- **To enable or disable the food items.**

User Portal:-

This portal deals with the user activities. The end-user will be able to do the following activities:-

- **Registration page for sign-up**
- **Sign-in to the application to maintain a record of activities**
- **Search for food items based on the search keyword**
- **Filters and sort option on different cuisines to get the best deals**
- **Cart to add the food items and customize the purchase at the end**
- **Payment gateway for payment process**
- **Order summary details after completing the payment**

2.Sprint Planning and Task Completion

The project is planned to be completed in 6 sprints.

Sprint 1:-

- Softwares requirement - 2sp
- Designing - 2sp
- Angular – Frontend setup - 2sp
- Spring Boot-backend setup - 2sp
- Project backlog planning tasks - 1sp
- Jenkins and Docker setup - 1sp

Sprint 2:-

- User module (admin/customer) login setup using angular with menu options -2sp
- User module, Sprint security configuration from spring boot application -2sp
- Create/update/delete/block/unblock(users)-backend -2sp
- Create/update/delete/block/unblock(users)-frontend integration -2sp
- Testing end-to-end application and configuring docker setup -2sp

Sprint 3:-

Feature Id -Admin feature develop from Angular/Spring

Front end

- Login - 1sp
- View users - 1sp
- Add users - 1sp
- View recipe/orders - 1sp
- Update/delete - 1sp
- Testing end-to-end application

Back end

- Login - 1sp
- View users - 1sp
- Add users - 1sp
- View recipe/orders - 1sp
- Update/delete - 1sp
- Testing end-to-end application

Sprint 4:-

User portal -front end

- User registration - 1sp
- View recipe - 1sp
- Search/filter recipe - 2sp
- Sort recipe - 1sp

Testing end-to-end application

User portal -back end

- User registration - 1sp
- View recipe - 1sp
- Search/filter recipe - 2sp
- Sort recipe - 1sp

Testing end-to-end application

Sprint 5:-

User portal -front end

- Add to cart - 1sp
- View cart - 1sp
- Place order - 1sp
- Payment gateway - 2sp

User portal -back end

- Add to cart - 1sp
- View cart - 1sp
- Place order - 1sp
- Payment gateway - 2sp

3.Demonstrating the project capablilites, appearance and user interactions:-

To demonstrate the project capabilities, below are the sub-sections configured to highlight appearance and user interactions for the project:

- **Admin capabilities**:-

  1)Admin Login

  2)Admin can view users

  3)Add food items

  4)Edit/update food items like (name, price, description etc.)

  4)Remove food items

  5)View orders

- **User Capabilities:-**

  1)Sign-in to the application by using login

  2)View items(Food items with price)

  3)Search Item/Filter Item

  4)Selects an item to purchase

  5)Buy Products

  6)Fill Shipping Information

  7)Order products

  8)Browse Cart

9)Browse order history

10)payment using gateway

11)Order summary details after payment completes

4.Link to the Git Hub Repository:-

Git-Hub Link:- https://github.com/rajashreemuduli/foodbox-caption-e-project.git

Pushing the code to Git Hub Repository

- Open your command prompt and navigate to the folder where you have created your files.

  cd <folder path>

- Initialize repository using the following command

  git init

- Add all the files to your git repository using the following command

  git add .

- Commit the changes using the following command

  git commit . –m<commit message>

- Push the files to the folder you initially created using the following command

  git push -u origin master

5.Core concepts used in the project are:-

- **Scrum:-An efficient agile framework to deliver the product.**
- **IDE: Eclipse and Visual Studio**
- **Front End:-HTML,CSS,Java Script, Bootstrap, Angular, JSP**
- **Back End:-Java programming and Node.js**
- **Database:-My Sql and Oracle**
- **Automation and Testing technologies:-Selenium, Jasmine and TestNG**
- **DevOps and production technologies:-Git, GitHub, Jenkins, Docker, Kubernates and AWS**
- **Specification document:-pdf is used for specifications for open-source documentation.**

6.Generic Features of the product:-

1)User-Friendly

2)Related Items

3)Security-Features

4)Detailed Shipping information

7.Conclusions:-

Online ordering system or contactless table ordering is one of the best ways to customers for ordering, searching for items and payment.

With this system, customers simply access an online menu.

Once your customer makes their selection, they submit their order and pay all in one go. This speeds up the whole online ordering process.

- **Safe and healthier for customers and business**
- **increase the number of customers you can service**
- **Less room for errors**
- **Increase customer loyalty**
- **Highly customisable**

- **Reduces cost**
- **Encourage higher customer spend**
- **Makes the ordering process easier**
- **Efficient customer and order management**
- **convenience for customers**
- **services are 24/7**
- **services to doorstep**
- **streamlined operations**
- **Easy to customise**