

A JAVA FULL STACK DEVELOPMENTCAPSTONE PROJECT



• Version History:

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2.	Purpose	Specification of Project and Sprint Work.
3.	Date	2 nd June 2022
4.	Project	Capstone Project
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1. Introduction.

FoodBox is an online food delivery web application for ordering food items of different cuisines from a restaurant.

FoodBox is a restaurant chain that delivers food items of different cuisines at affordable prices.

2. Modules in the Project.

- a. Registration Page.
- b. Login Page.
- c. User Login.
- d. Admin Login.
- e. Dashboard.
- f. Search Products.
- g. Add Cart/View Cart.
- h. View Previous Active Orders.
- i. Payment Gateway Page.
- j. Order Summary Confirmation Page.

3. Technology Used_in the Project.

a. Front End:

HTML.

CSS3 and Bootstrap4.

TypeScript.

Angular, Angular Material for View.

b. **VS Code:** As an IDE to design frontend of the application.

c. **Git:** To connect and push files from the local system to GitHub.

d. **GitHub:** To store the application code and track its versions

e. Scrum: An efficient agile framework to deliver the product incrementally.

f. Back End:

Eclipse IDE.

Java Programming.

Searching and Sorting

Spring Boot DevTools.

Spring Web and Spring Data JPA.

g. Testing and DevOps:

Selenium.

Jenkins.

Docker and TestNG.

4. Sprint Wise Work.

The Sprints have been planned of how the developer can develop with the User interface development and also with the time span of the project was managed within 3 weeks of completion.

So, each sprint was planned as per the schedule of 4 days for development and one day for testing and the other day for the bug Fixes.

Epic	User Story Id	Feature/Title	User story
Customer can register into application, if customer is already registered then customer should login into application. Until Customer Login or Register they can't continue shopping (Foodbox.com_EPIC_001)	US101	Customer can login into application	As a customer, I want be able to enter email as username and Password So that I can Login to E-Commerce site.
	US102	Customer can Register into application	As a customer, I want be able to enter required details. So that I can Register and Login to E-Commerce site.
	US103	Customer can Add Products into cart if and only if they register or login	As a customer, I can add products into cart only when I am logged in, so that all my cart records will save for later.
Customer can Filter or Search the products to find the products easily and Add products to cart (Foodbox.com_EPIC_002)	US201	Customer can Filter products	As a customer, I want to be able to Filter the product according to Cusines, So that I can find products easily
	US202	Customer can Search products	As a customer, I want to be able to Search the product according to Cusines, So that I can find products easily
	US203	Add Products to Cart	As a customer, I want to be able to add products into cart, So that I can proceed to payment and finilize order
Customer can View Cart, Edit cart and Proceed to Payment Gateway (Foodbox.com_EPIC_003)	US301	View Cart items and Grand Total	As a customer, I want to be able to view cart items and Grandtotal, So that I can finilize the order if I am ok with products

	US302	Edit Cart or Cart operations	As a customer, I want to be able to edit cart, So that I can edit quantity of product or remove items from cart.
	US303	Go to Checkout or Back to products	As a customer, I want to proceed to next to checkout, So that I can confirm my order by paying amount.
	US304	View Order Summary and print order confirmation	As a Customer, I want to view order summary, So that I can view Transaction Id and Print Order summary
Admin can login, Manage Products, Manage Users, Manage Purchases (Foodbox.com_EPIC_004)	US401	Login to Admin Portal	As a Admin, I want to login to Application, So that I can view and Manage products, Manage Users and Manage Purchases
	US402	Manage Products	As a Admin I want to Manage Products, So that I can View, Add , Update and Delete list of products.
	US403	Manage Users	As a Admin I want to Manage Users, So that I can View Customers registered and their orders and delete customers.
	US404	Manage Purchases	As a Admin I want to Manage purchases, So that I can view or delete orders placed by customers.
Testing and Bug Fixes.	US501	Testing and Deployment	Testing of Project and Deployment.

Thank You So Much...