**A FULL STACK DEVELOPMENT CAPSTONE PROJECT**



*(Sprint Work and Project Specification*

* **Version History:**

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| --- | --- | --- |
| 1. | **Author Name** | Adan Abdullahi |
| 2. | **Purpose** | Specification of Project and Sprint Work. |
| 3. | **Date** | 15 August 2022. |
| 4. | **Version** | 1.0 |
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# 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.

1. ***Project GitHub Link.***

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| --- | --- |
| **Repository Name.** | FoodBox-Capstone-Project |
| **GitHub Link.** | <https://github.com/tuskhillare/FoodBox-Capstone-Project.git> |

# Modules in the Project.

* 1. Registration Page.
  2. Login Page.
  3. User Login.
  4. Admin Login.
  5. Dashboard.
  6. Search Products.
  7. Add Cart/View Cart.
  8. View Previous Active Orders.
  9. Payment Gateway Page.
  10. Order Summary Confirmation Page.

# Technology Used in the Project.

* 1. Front End:

HTML.

CSS3 and Bootstrap4. TypeScript.

Angular, Angular Material for View.

* 1. VS Code: As an IDE to design frontend of the application.
  2. Git: To connect and push files from the local system to GitHub.
  3. GitHub: To store the application code and track its versions
  4. Scrum: An efficient agile framework to deliver the product incrementally.
  5. Back End:

Eclipse IDE.

Java Programming. Searching and Sorting Spring Boot DevTools.

Spring Web and Spring Data JPA.

* 1. Testing and DevOps:

Selenium. Jenkins.

Docker and TestNG.

# 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.

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| --- | --- | --- | --- |
| **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……………