FoodBox
(Sprint work and Project Specification)

Version History:

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Purpose	Scrum details and specifications of the application
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1. Modules in the project

1. FoodBox homepage displays product listed in the database through REST API endpoints and have four options on Navigation bar; Login, Register, Admin and Cart.

2. Can click on Add to Cart option of any listed products to proceed with the purchase. The products data are fetched from the MySql database, connected to server via Spring Data.

3. User can also search product listed on the website. Using the search option at homepage.

4. Once a user clicks the checkout button, they will be taken to the checkout page to fill in their shipping/billing details and proceed to payment gateway.

5. From the payment gateway, users are redirected to a purchase confirmation page with the details of the purchase.

6. For the above features to work, there is an admin backend with the following features:
   - An admin section, where the admin can view, add and delete the products present on the database.

2. Sprint wise work

• Sprint number	• Modules
• 1	• Design homepage and user security with JWT authentication.
• 2	• Fetch available products from database and display on the homepage using REST API endpoints.
• 3	• Cart page with details of product and checkout page for user delivery details. • Confirmation page with summary of all the purchased product(s).
• 4	• Admin Dashboard page with all the products data fetched from the database and add item button. • Testing. • Deployed Application Platform using Github.

3. Project Link

Repository Name	FoodBox
GitHub Link	https://github.com/mursky66/SL_FSD_Capstone_Project.git

4. Java Concepts Used

- Working with database
- Naming Standards
- Exceptions
- Modularity
- Object Oriented Programming
- Collections
- Control structures
- Data Structures
- Hibernate
- Spring Boot
- Spring Security
- JWT Authentication

5. Tools and Technologies Used

- HTML, CSS, Typescript, Angular, Angular Material for **View**.
- Spring Boot as **Controller**
- MySQL database using Spring Data for **Model** to persist data for admin, users and product. Hosted on a remote server.
- Tomcat 9.0 as an Application Server.
- Eclipse: As an IDE to code for the application.
- VS Code: As an IDE to design frontend of the application using Angular.
- Java: A programming language to develop the web pages, databases.
- Maven: To create a web-enabled Maven project.
- Git: To connect and push files from the local system to GitHub
- GitHub: To store the application code and track its versions
- Scrum: An efficient agile framework to deliver the product incrementally.