# **Food Box Capstone Project**

**Project github link –**

https://github.com/SyedNaseemSharif/FoodBoxCapstoneProject

**Tools used –**

Eclipse IDE – for backend

Visual Studio Code – for front end

MYSQL – Database

Backend was developed using spring boot REST APIs

Front end was developed using Angular

MySql workbench was used to add initially Data base Data

**Features of the application –**

1. Dynamic home page
2. All products show on the home page using data from the database and load it dynamically
3. Admin login
4. Adding and deleting the products from admin page portal
5. Filtering and sorting the data as per category ID
6. Pagination with option to customize number of products to display in one page
7. Searching the products using keyword
8. Add to cart feature
9. Increase and decrease feature in cart
10. Number of products and total price dynamically shows on the home page while adding products to cart
11. Checkout option
12. Angular reactive forms used to send the data to backend
13. Form validation to identity characters and patterns before sending data to database
14. Order summary integrated at the end of checkout page
15. After purchase the tracking number is dynamically generated from the backend using the UUID method

**How to run the project in the system local -**

1. First open the database schema folder copy all the data to insert data and then run those statements in the My SQL workbench.
2. Open any IDE ex- eclipse or intellij and import the backend folder in the working space.
3. Make changes to application.properties as per your database configuration.
4. Run the application
5. Go to visual studio code or any front end development IDE import the front end folder in the workspace.
6. Open the terminal use the following command ( cd FoodBox)
7. Then ( ng serve)
8. Check on which port the application has opened copy the url ( example <http://localhost:4200/>)
9. Open any browser and paste the URL.
10. The application will be running now

Sprints –

First sprint – First we checked if the data is coming successfully from the backend a simple page was designed to show list of products in the front end

Second sprint -Website was designed with dynamic features like category and grid view of products

Third sprint -Add to cart and checkout pages were added

Source Code is available in the github link please visit to know more