

Capstone PROJECT

https://github.com/sumitghoshjuno/Capstone_Pro_FoodBox_Simplilearn

FOOD BOX

Name:-Sumit Ghosh.

The code for this project github at :

https://github.com/sumitghoshjuno/Capstone_Pro_FoodBox_Simplilearn.git

● **This document contains sections for:**

- Project Description ○ Core concepts used in project ○ Flow of the Application.
- Project Users Stories : (Agile and Scrum)
- Git Repositories
- How to run project
- Demonstrating the product capabilities, appearance, and user interactions.
- Unique Selling Points of the Application ○ Conclusions

Project Description:

DESCRIPTION

Create a dynamic and responsive online food delivery web application for ordering food items of different cuisines from a restaurant.

Background of the problem statement:

Foodbox is a restaurant chain that delivers food items of different cuisines at affordable prices. It was established in 2014 in Bengaluru, India. It had been serving fine all these years, however, the business analysts noticed a decline in sales since 2016. They found out that the online ordering of food items with companies, such as Swiggy and Foodpanda were gaining more profit by eliminating middlemen from the equation. As a result, the team decided to hire a Full Stack developer to develop an online food delivery web application with a rich and user-friendly interface.

- Registration
- Login
- Payment gateway
- Searching
- Filtering
- Sorting
- Dynamic data
- Responsive and compatible with different devices

Core concepts used in the project:

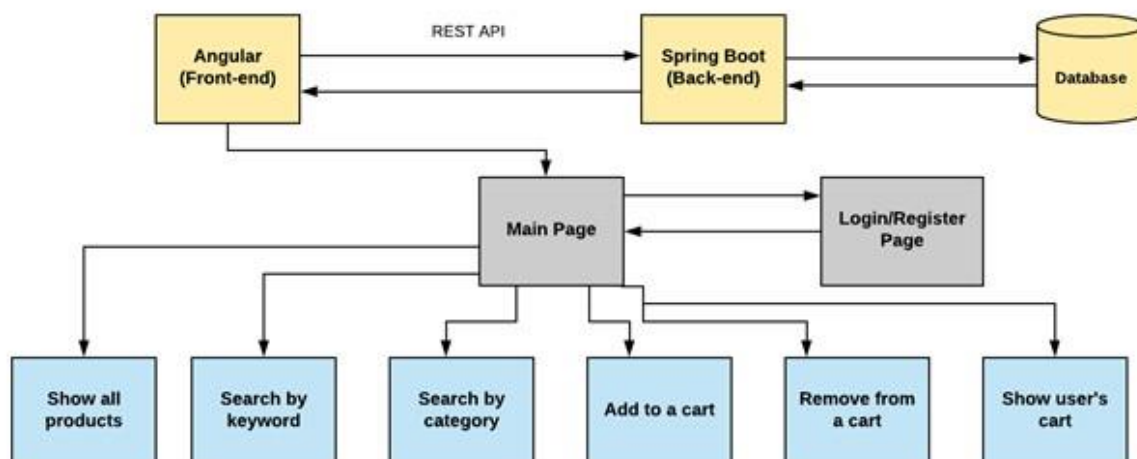
- VS Code
- IntelliJ idea
- TypeScript
- HTML
- CSS
- Bootstrap

TECHNOLOGIES AND TOOLS USED:

Spring MVC: to build web applications as it follows the Model-View-Controller design pattern.

- Java Script: to handle the presentation view more beautiful.
- Visual Studio & IntelliJ idea to Write the code .
- CSS: to format the contents.
- HTML: To make a Structure to websites

Architecture diagram / flow chart



Project Users Stories : (Agile and Scrum)

The project is planned to be completed in 3 sprints. Tasks assumed to be completed in the sprint are:

- Creating the flow of the application
- Initializing git repository to track changes as development progresses.
- Writing the Java program to fulfill the requirements of the project.
- Testing the Java program with different kinds of User input
- Pushing code to GitHub.

The goal of the company is to deliver a high-end quality product as early as possible.

3. Screen shot :

Outputs:

Registration Page

The screenshot shows a web browser window with the URL `localhost:4200/products`. The page features a modal titled "Sign up" with the following fields:

- Email Id: `sumitghsh98@gmail.com`
- Password: `.....`
- Full Name: `Sumit Ghosh`
- Contact Number: `7478984709`
- Address: `kolkata`

A red "Register" button is located at the bottom of the modal. The background of the page shows a blurred image of a dish and navigation links for "All Products", "Chinese", and "Indian". The Windows taskbar at the bottom indicates a temperature of 82°F, a "Haze" weather condition, and the date 20-09-2022.

Login Page

The screenshot shows the same web browser window with the URL `localhost:4200/products`. The page features a modal titled "Sign in" with the following fields:

- Your email: `sumitghsh98@gmail.com`
- Your password: `.....`

A red "Login" button is located at the bottom of the modal. The background of the page shows a blurred image of a dish and navigation links for "All Products", "Chinese", "Indian", "Mexican", and "Italian". A "Search Product" input field is visible at the bottom. The Windows taskbar at the bottom indicates a temperature of 82°F, a "Cloudy" weather condition, and the date 20-09-2022.

Add Cart Page



FoodBox-Delicious Food

[Previous Orders](#) [Logout](#)



Sr.No	Product Name	Product Image	Category	Price	Quantity	Total	Action
1	Paneer Pizza		Italian	₹435	- 1 +	₹435	

[Empty Cart](#)[Shop More](#)[CheckOut](#)

Grand Total : \$435

Delivery charges will be applied

Admin Login Page

Welcome to Admin Login !

Username

Password

Login

Manage Products:

The Foodbox

Manage Products

Manage Users

Manage Purchases

Product List								Add Product
Name	Description	Category	Price	Discount	Final price	Availability	ImagePath	Actions
Red Sause Pasta	Pasta with Tomato and oregano	Italian	₹435	0%	₹435	✓	./assets/images/redPasta.jpg	<div>UpdateDelete</div>
Butter Chicken	Chicken infused with butter and spices	Indian	₹350	0%	₹350	✓	./assets/images/ButterChicken.png	<div>UpdateDelete</div>
Chicken Lollipop	Served Hot and Fresh	Indian	₹120	0%	₹120	✓	./assets/images/ChickenLollipop.jpg	<div>UpdateDelete</div>
Paneer Pizza	Pizza topped with cotted cheese and vegles	Italian	₹435	0%	₹435	✓	./assets/images/paneerpizza.jpg	<div>UpdateDelete</div>
Chicken Biryani	Rice Steamed with Chicken and spices	Indian	₹365	10%	₹328.5	✓	./assets/images/biryani.jpg	<div>UpdateDelete</div>
Steamed Mince Bun	Steamed Bun with lamb mince	Chinese	₹250	20%	₹200	✓	./assets/images/buns.jpg	<div>UpdateDelete</div>
Egg Fried Rice	Rice with Egg and Chinese sauses	Chinese	₹95	5%	₹90.25	✓	./assets/images/EggfriedRice.jpg	<div>UpdateDelete</div>
Elote de Corn	Corn topped with cream cheese and spice	Mexican	₹180	7%	₹167.4	✓	./assets/images/elote.jpg	<div>UpdateDelete</div>
Ravioli	Ravioli pasta filled with veg mince	Italian	₹200	18%	₹164	✓	./assets/images/ravioli.jpg	<div>UpdateDelete</div>
Burrito	Wrapped Tortilla with Meat mince and Mayo	Mexican	₹350	0%	₹350	✓	./assets/images/Burrito.jpg	<div>UpdateDelete</div>

Add product and Update product Page

Manage Products

Man

Add Product

Availability	ImagePath
✓	./assets/images/redPasta.jpg
✓	./assets/images/ButterChicken.png
✓	./assets/images/ChickenLollipop.jpg
✓	./assets/images/paneerpizza.jpg
✓	./assets/images/biryani.jpg
✓	./assets/images/buns.jpg
✓	./assets/images/EggfriedRice.jpg
✓	./assets/images/elote.jpg
✓	./assets/images/ravioli.jpg
✓	./assets/images/Burrito.jpg

Product Details

Name

Chicken Lollipop

Description

Served Hot and Fresh

Category

Indian

Price

120

Discount

0

Availability

☒ Yes ☐ No

Image Link

Close

Add

Update Product:

Product Details

Name

Chicken Lollipop

Description

Served Hot and Fresh

Category

Indian

Price

120

Discount

0

Availability

☒ Yes ☐ No

Image Link

./assets/images/ChickenLollipop.jpg

Close

Update

Delete Page

Product deleted successfully.....

A web application interface with a confirmation dialog box in the foreground. The dialog box has a title bar with a red icon and text, and a message that says "Product Deleted" with an "OK" button. In the background, there is a table of products with columns: Category, Price, Discount, Final price, Availability, ImagePath, and Action. The table contains five rows of product data. Above the table, there are navigation links: "Manage Products", "Manage Users", and "Manage Purchases", along with an "Add Product" button.

Category	Price	Discount	Final price	Availability	ImagePath	Action
Italian	₹435	0%	₹435	✓	./assets/images/redPasta.jpg	<button>Update</button> <button>Delete</button>
Indian	₹350	0%	₹350	✓	./assets/images/ButterChicken.png	<button>Update</button> <button>Delete</button>
Indian	₹120	0%	₹120	✓	./assets/images/ChickenLollipop.jpg	<button>Update</button> <button>Delete</button>
Italian	₹435	0%	₹435	✓	./assets/images/paneerpizza.jpg	<button>Update</button> <button>Delete</button>
Indian	₹365	10%	₹328.5	✓	./assets/images/biryani.jpg	<button>Update</button> <button>Delete</button>

Source Code Run IntelliJ Idea backend springBoot

A screenshot of the IntelliJ IDEA IDE. The top part shows the source code of `CustomerRepository.java` in the `com.foodbox.repository` package. The code defines a `CustomerRepository` interface that extends `JpaRepository<Customer, String>`. The bottom part shows the Run console output, which includes the execution of `FoodboxSpringApplicationTests` and the initialization of the application. The output shows various log messages, including the initialization of the database and the application's startup sequence.

```
package com.foodbox.repository;

import ...

public interface CustomerRepository extends JpaRepository<Customer, String> {
```

Run: All in FoodBox Backend(Spring Boot) x

Tests passed: 1 of 1 test - 155 ms

2022-09-20 13:54:33.711 INFO 10884 --- [main] org.hibernate.Version : HHH000412: Hibe

2022-09-20 13:54:33.903 INFO 10884 --- [main] o.hibernate.annotations.common.Version : HCANN000001: Hi

2022-09-20 13:54:34.105 INFO 10884 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 -

2022-09-20 13:54:35.107 INFO 10884 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 -

2022-09-20 13:54:35.146 INFO 10884 --- [main] org.hibernate.dialect.Dialect : HHH000400: Usir

2022-09-20 13:54:36.284 INFO 10884 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Usir

2022-09-20 13:54:36.291 INFO 10884 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA

2022-09-20 13:54:37.305 WARN 10884 --- [main] JpaBaseConfiguration\$JpaWebConfiguration : spring.jpa.oper

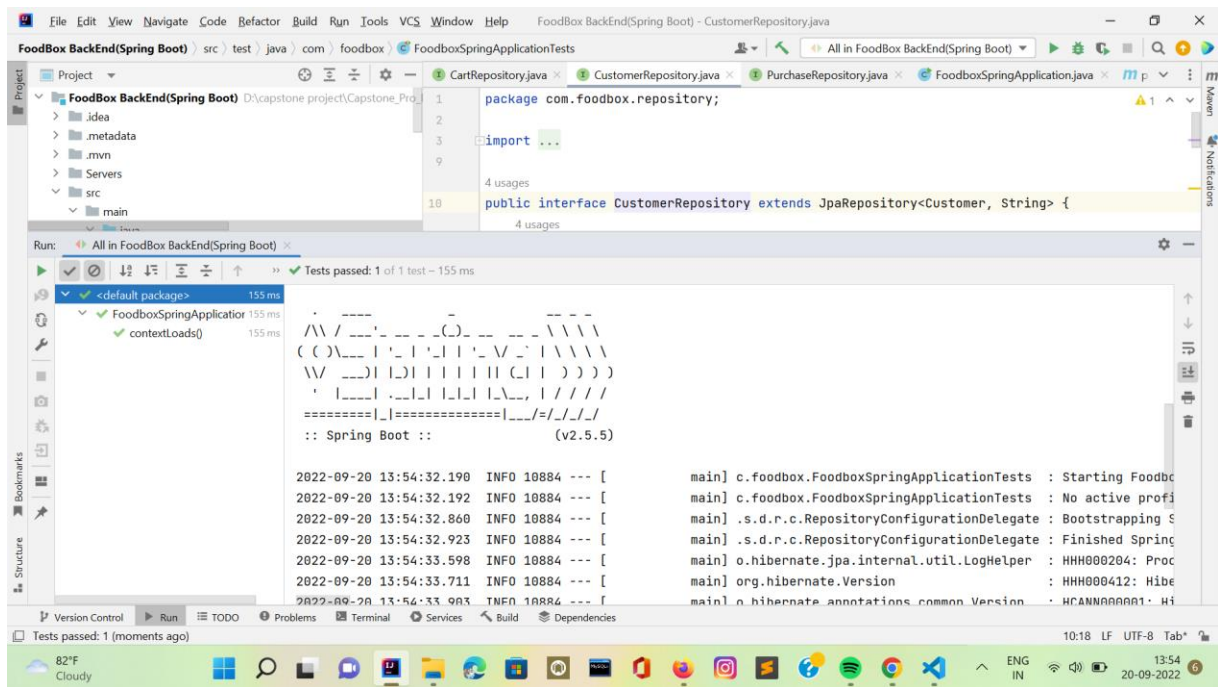
2022-09-20 13:54:37.785 INFO 10884 --- [main] c.foodbox.FoodboxSpringApplicationTests : Started Foodbox

2022-09-20 13:54:37.974 INFO 10884 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA Ent

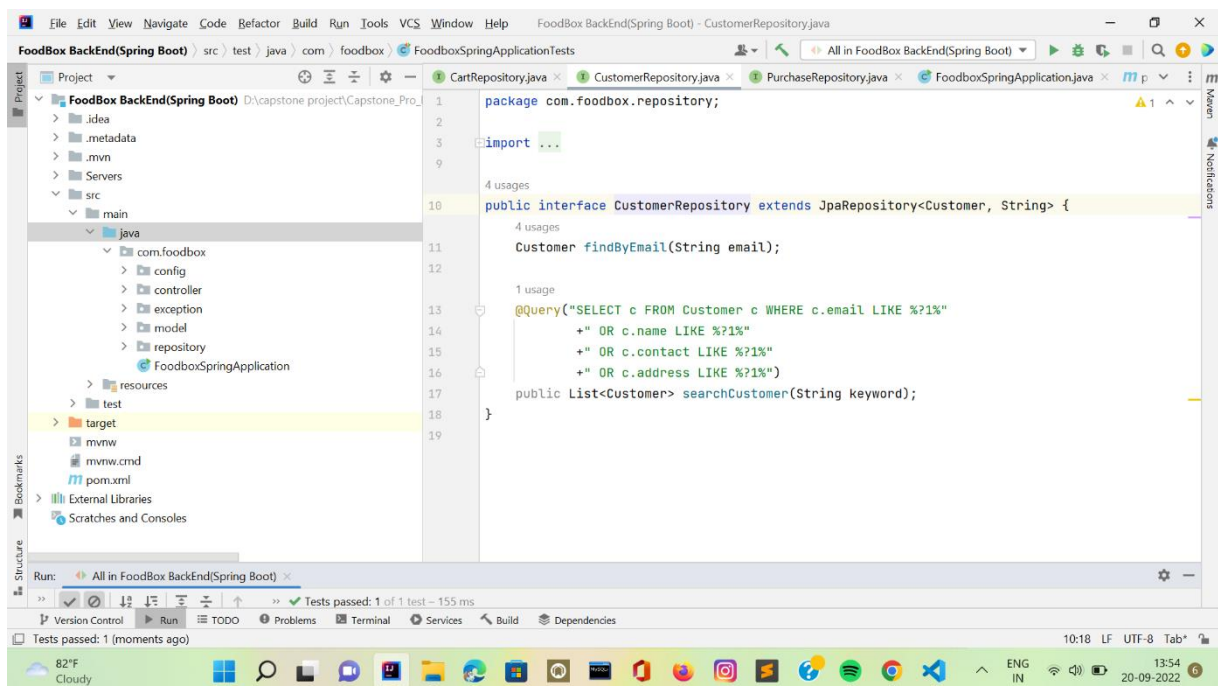
2022-09-20 13:54:37.976 INFO 10884 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 -

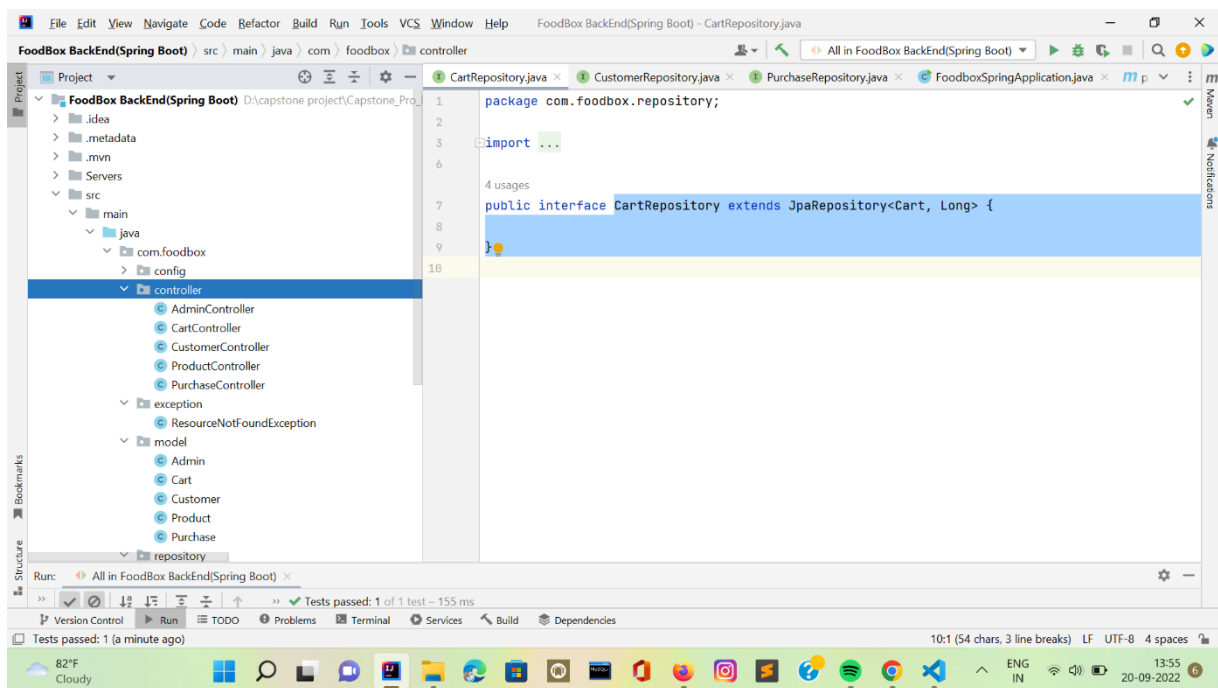
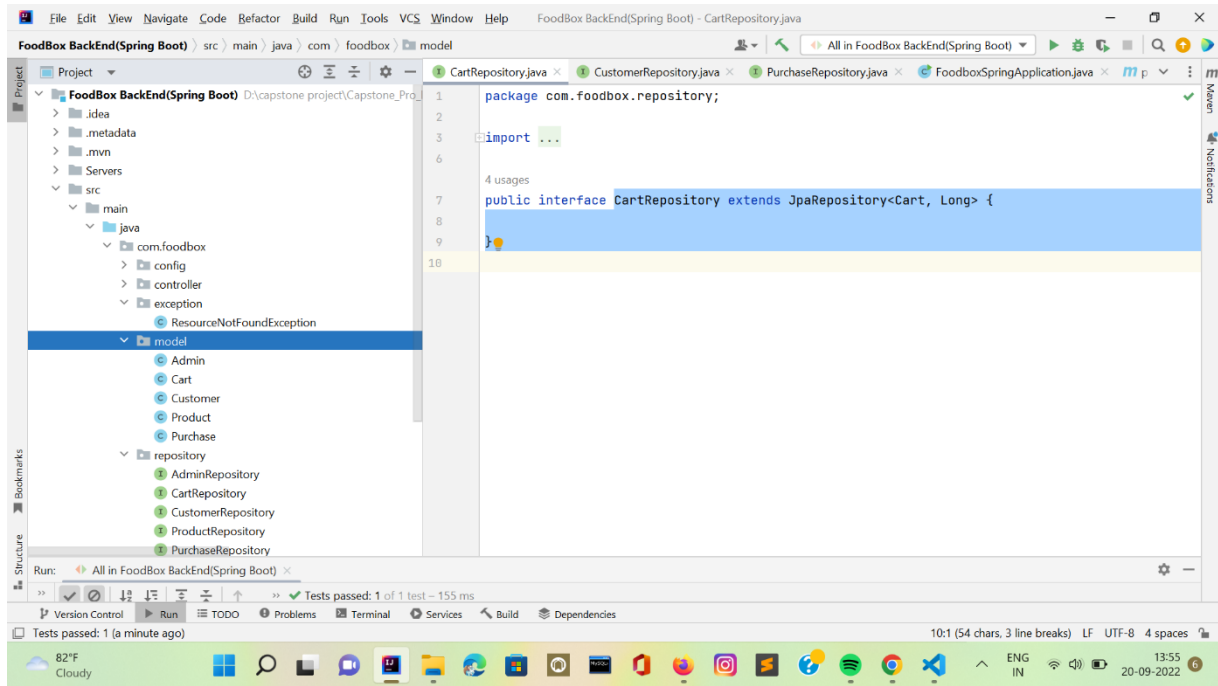
2022-09-20 13:54:37.985 INFO 10884 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 -

Process finished with exit code 0



Source-Code





Frontend Angular Source code run pkg Json

The image displays two screenshots of the Visual Studio Code editor interface, showing the configuration of an Angular project.

Top Screenshot: package.json

The Explorer pane shows the project structure, including `package.json`, `tsconfig.app.json`, `tsconfig.spec.json`, and `tslint.json`. The `package.json` file is open in the editor, showing the following configuration:

```
1 {
2   "name": "foodbox-angular",
3   "version": "0.0.0",
4   "scripts": {
5     "ng": "ng",
6     "start": "ng serve -o",
7     "build": "ng build",
8     "test": "ng test",
9     "lint": "ng lint",
10    "e2e": "ng e2e"
11  },
12  "private": true,
13  "dependencies": {
14    "@angular/animations": "~10.2.4",
15    "@angular/cdk": "~10.2.7",
16    "@angular/common": "~10.2.4",
17    "@angular/compiler": "~10.2.4",
18    "@angular/core": "~10.2.4",
19    "@angular/forms": "~10.2.4",
```

The terminal output shows the build process:

```
chunk {main} main.js, main.js.map (main) 248 kB [initial] [rendered]
chunk {polyfills} polyfills.js, polyfills.js.map (polyfills) 141 kB [initial] [rendered]
chunk {runtime} runtime.js, runtime.js.map (runtime) 6.15 kB [entry] [rendered]
chunk {styles} styles.js, styles.js.map (styles) 413 kB [initial] [rendered]
chunk {vendor} vendor.js, vendor.js.map (vendor) 3.96 MB [initial] [rendered]
Date: 2022-09-20T08:22:58.345Z - Hash: 710b31d48af36f661dae - Time: 12127ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
: Compiled successfully.
```

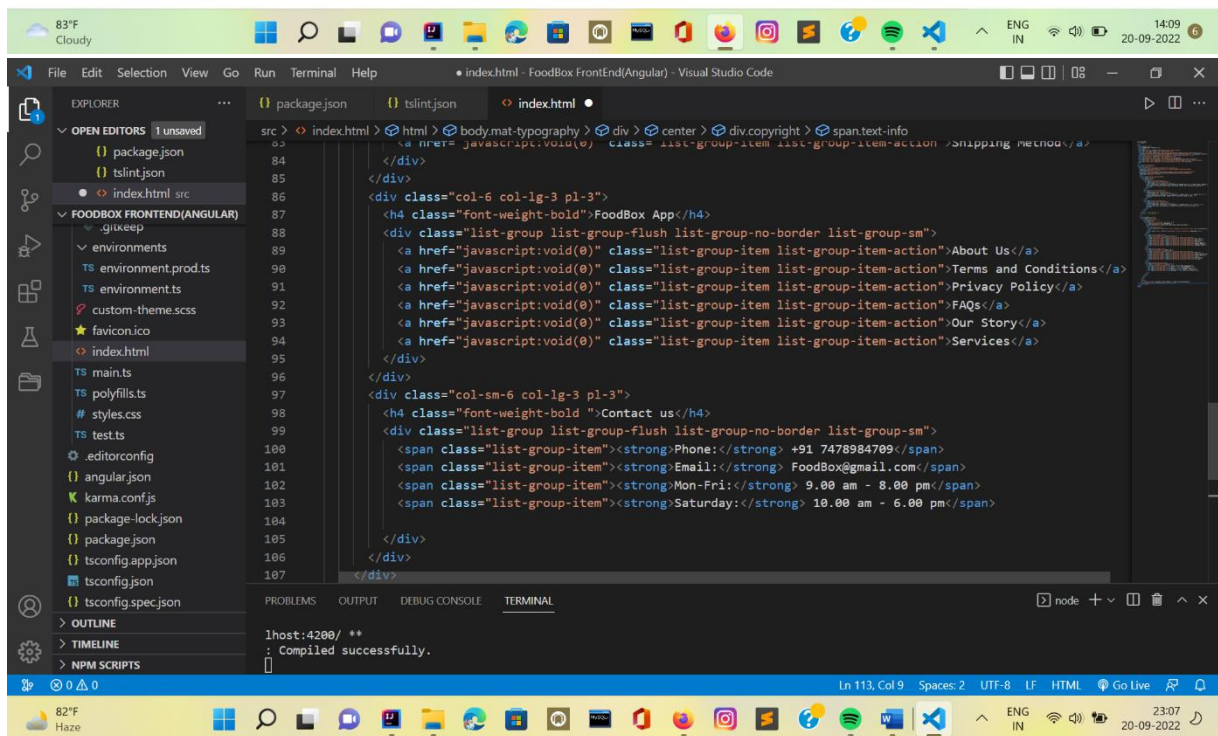
Bottom Screenshot: tsconfig.json

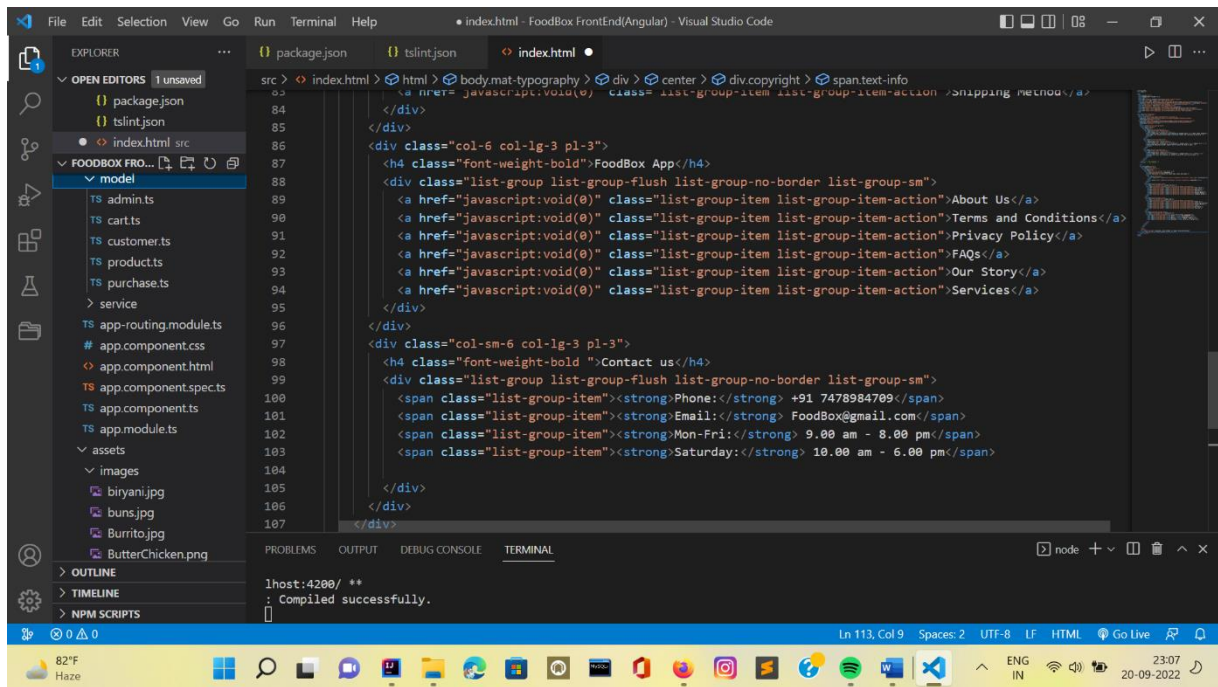
The Explorer pane shows the project structure, including `package.json`, `tsconfig.app.json`, `tsconfig.spec.json`, and `tslint.json`. The `tsconfig.json` file is open in the editor, showing the following configuration:

```
1 /* To learn more about this file see: https://angular.io/config/tsconfig. */
2 {
3   "compileOnSave": false,
4   "compilerOptions": {
5     "baseUrl": ".",
6     "outDir": "./dist/out-tsc",
7     "sourceMap": true,
8     "declaration": false,
9     "downlevelIteration": true,
10    "experimentalDecorators": true,
11    "moduleResolution": "node",
12    "importHelpers": true,
13    "target": "es2015",
14    "module": "es2020",
15    "lib": [
16      "es2018",
17      "dom"
18    ]
19  }
20 }
```

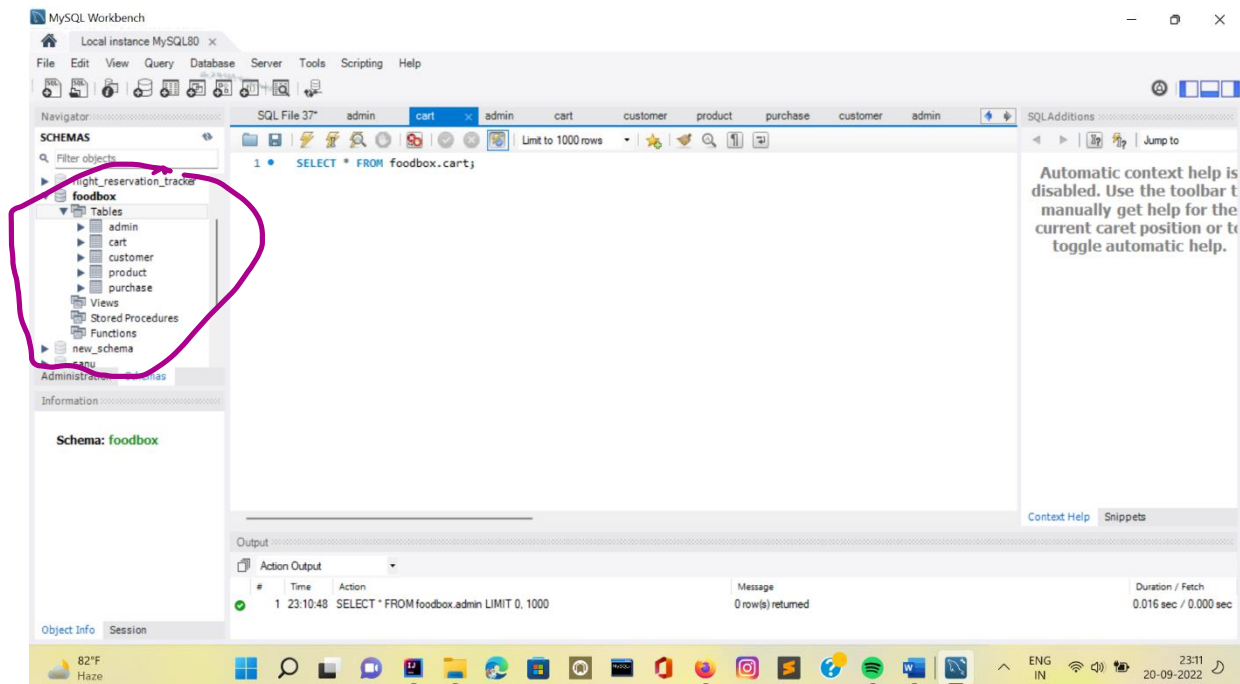
The terminal output shows the build process:

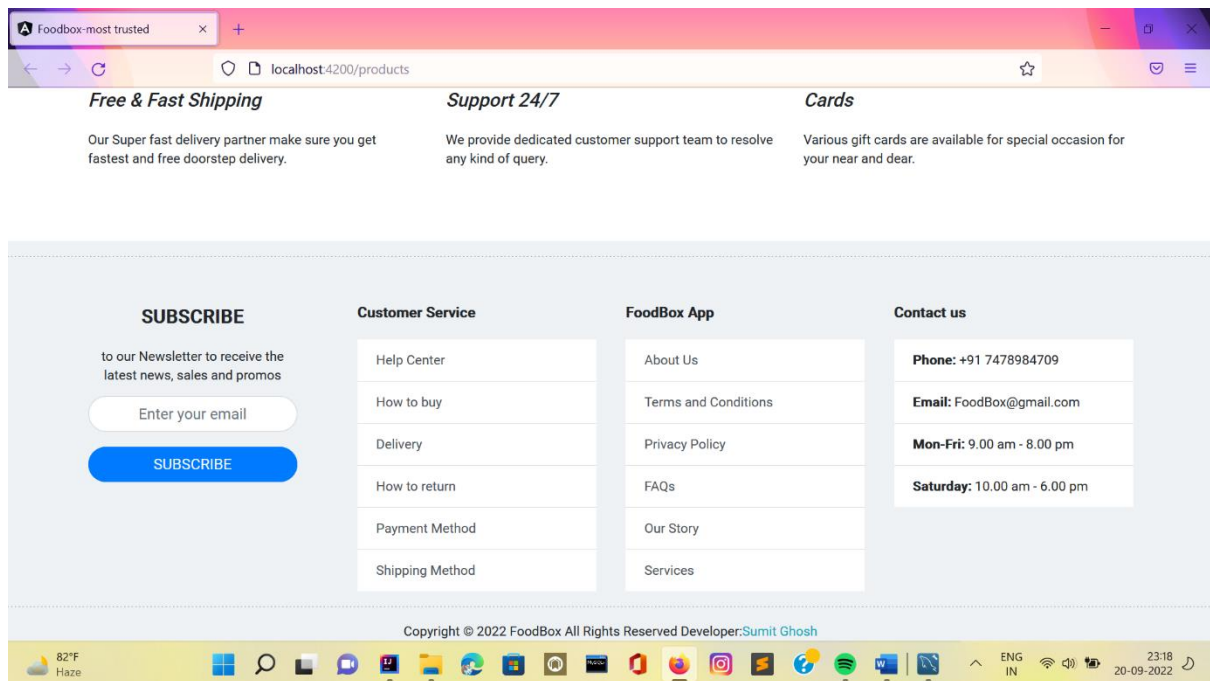
```
chunk {main} main.js, main.js.map (main) 248 kB [initial] [rendered]
chunk {polyfills} polyfills.js, polyfills.js.map (polyfills) 141 kB [initial] [rendered]
chunk {runtime} runtime.js, runtime.js.map (runtime) 6.15 kB [entry] [rendered]
chunk {styles} styles.js, styles.js.map (styles) 413 kB [initial] [rendered]
chunk {vendor} vendor.js, vendor.js.map (vendor) 3.96 MB [initial] [rendered]
Date: 2022-09-20T08:22:58.345Z - Hash: 710b31d48af36f661dae - Time: 12127ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
: Compiled successfully.
```





Database Mysql workbench 8.0E





Unique Selling Points of the Application

- Scheduled kitchen products for users can be maintained easily.
- The data of the users and products can be edited easily.
- High security for the data as the admin only can access the data.
- Searching for any data about users is made easy

Conclusions

In the program an application has been developed with a duration of three spirits. This application makes handling the data of the FoodBox items. All the data about the FoodBox products, user's purchase details and their schedule are maintained. The admin can login through a User ID and password and manipulated the data.



Submit by:-Sumit Ghosh.

Date:-20.09.2022

-:Thank You:-