

Document for
Project
“Food Box – Online
food delivery
application”

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Capstone Project

1. Project and developer details

Project: Food box is a restaurant chain that delivers food items of different cuisines at affordable prices. They have decided launch an online food delivery web application with a rich and user-friendly interface. The system provides different functionalities for admin and non-admin users. Admin user is able to manage products, while any registered user can view menu, select items and checkout the items added to the cart.

Developer: Anupriya Sharma

2. Sprints planned and the tasks achieved in them

Planned three sprints as below. The sprint's details with the story points are as listed below:

1) Sprint-1:

1. Design and Create Database Schema
2. Create spring boot application with JWT support for authentication and create user RestAPIs
3. Create RestAPI for Add operation for product

2) Sprint-2:

1. Create RestAPIs for Edit, Delete and Get operations for product
2. Create angular project with support for Signup and login user
3. In angular project , add support to view menu to the customer where he can select items
4. In angular project, add support to view cart and checkout the cart

3) Sprint-3:

1. Add support to view all products for Admin user
2. Add support to add/edit/delete product for the Admin user

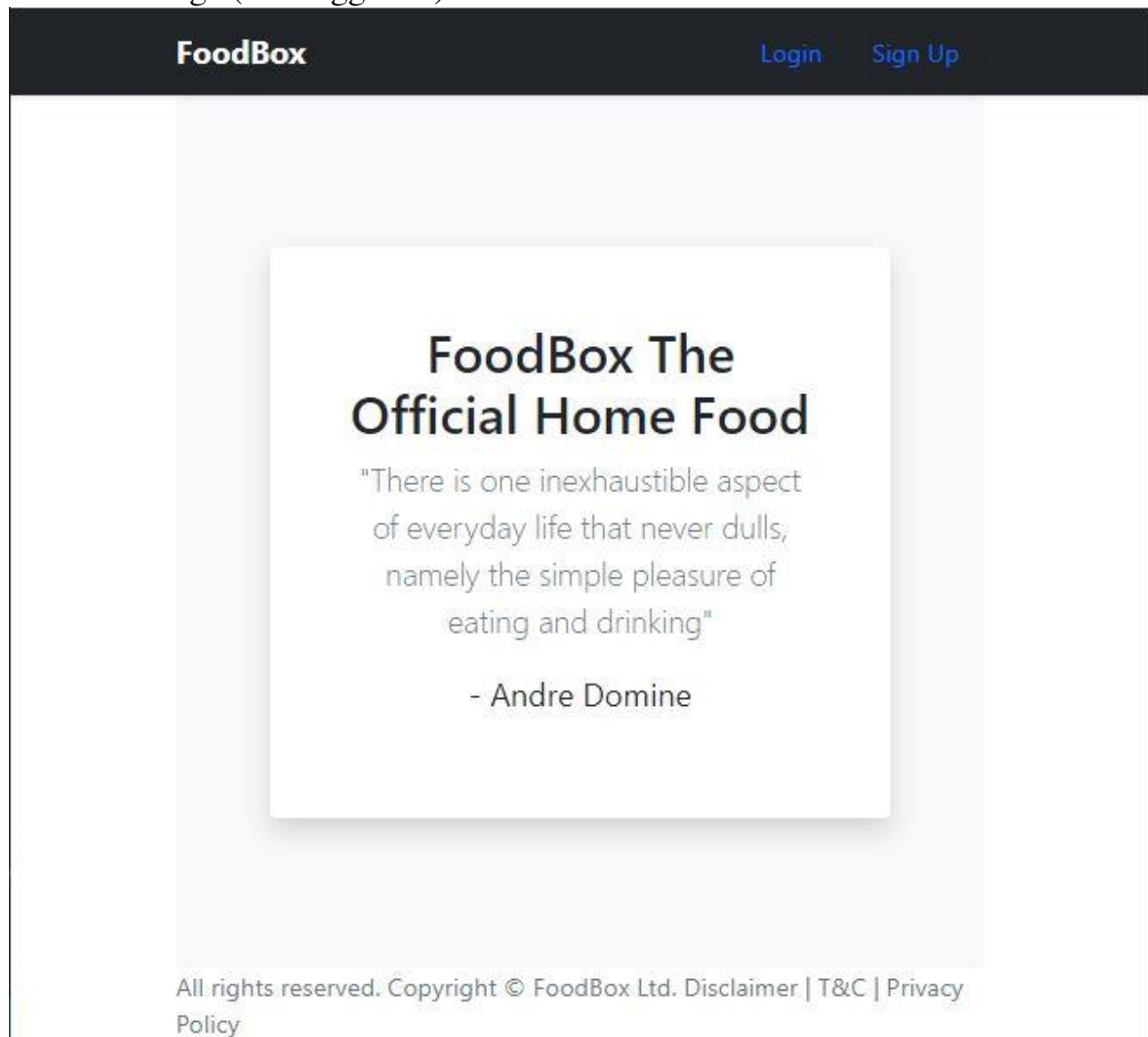
3. Functionalities and Flow of the application

It is a web portal that can be used by Admin user or a non-Admin user. As per the type of user, functionalities are made available to the user. An Admin user has added functionality to “Manage Products”, where in the admin can add/delete/edit/view products. All the user need to be first registered with the portal. Then on login both Admin and non-admin user can view “Menu” and place the order for food delivery.

All the functionalities are available on the navigation bar to the user. Also links for “Home” and “Log Out” are provided there.

The functionalities or flows included in the web application from “Home” page are as depicted in the below screenshots:

3.1 Home Page (Not logged in)



3.2 Sign Up Form

FoodBox[Login](#)[Sign Up](#)

Sign Up

Name

Email

dipalik27@gmail.com

Password

Confirm Password

Role

Save

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3.3 Sign In

FoodBox[Login](#)[Sign Up](#)

Login

Username

dipalik27@gmail.com

Password

Login

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3.4 Manage Products (view all)

FoodBox

Welcome dipali

Menu

Manage Products


Goto Cart

Logout

Foodbox The Official Home Food

Manage our cuisines...


Add New



Garma-garam soft whole wheat parathas made in Desi ghee.

Delete Edit

INR60




Super-saver pack of 9 of our Whole Wheat Parathas.

Delete Edit

INR150


New Arrival




Mix of fresh seasonal veggies & paneer cooked in a spiced curry. Flavours that you'll treasure.


Delete Edit

INR248





New Arrival



3.5 Add New product

FoodBox

Welcome dipalik27@gmail.com

Menu

Manage Products

Goto Cart

Logout

Add New Product

Product Id

Product Name

Tawa Paratha [Pack of 3]

Description

Garma-garam soft whole wheat parathas made in Desi ghee

Price (Rs.)


60

Image

assets\\img\\tawaparatha3.jpg

Save

3.6 Edit product



Edit Product Details

Product Id

1

Product Name

Tawa Paratha [Pack of 3]

Description

Garma-garam soft whole wheat parathas made in Desi ghee

Price (INR)

60

Enabled

☐

Image

assets\\img\\tawaparatha3.jpg

Save


3.7 Menu

FoodBox

Welcome dipali
Manage Products
Goto Cart
Logout

Foodbox The Official Home Food


Choose from our exotic cuisines..



Tawa Paratha [Pack of 3]

Garma-garam soft whole wheat parathas made in Desi ghee.


Not Available



Tawa Paratha [Pack of 9]

Super-saver pack of 9 of our Whole Wheat Parathas.


Add : INR 150



Subz Kadhai [500ml - Family Pack]

Mix of fresh seasonal veggies & paneer cooked in a spiced curry. Flavours that you'll treasure.


Add : INR 248



Chole Bhature

Chole Bhature


Add : INR 150



Biryani

Biryani

Add : INR 150



Paneer Bhajia

Paneer Bhajia

Add : INR 248

3.8 Goto Cart


FoodBox

Welcome dipaliMenuManage ProductsGoto CartLogout

Foodbox The Official Home Food


Your cart ...

Checkout



Super-saver pack of 9 of our Whole Wheat Parathas.

Add19 mins



Mix of fresh seasonal veggies & paneer cooked in a spiced curry. Flavours that you'll treasure.

Add19 mins

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3.9 Checkout page

Checkout form

dipali

First name

k

Last name

dipalik27@gmail.com

Email (optional)

Bhandup

Address

101, MK Apartment

Address 2 (optional)

India

Country

Maharashtra

State

400001

Zip

Payment Details

☒Credit card

☐Debit card

☐Cash on Delivery

Name on card

dipali k

Full name as displayed on card

Card number

123456781234

Expiration

6/22

CVV

122

Your cart

Tawa Paratha [Pack of 9]

1 -->

INR 150

Subz Kadhui [500ml - Family Pack]

1 -->

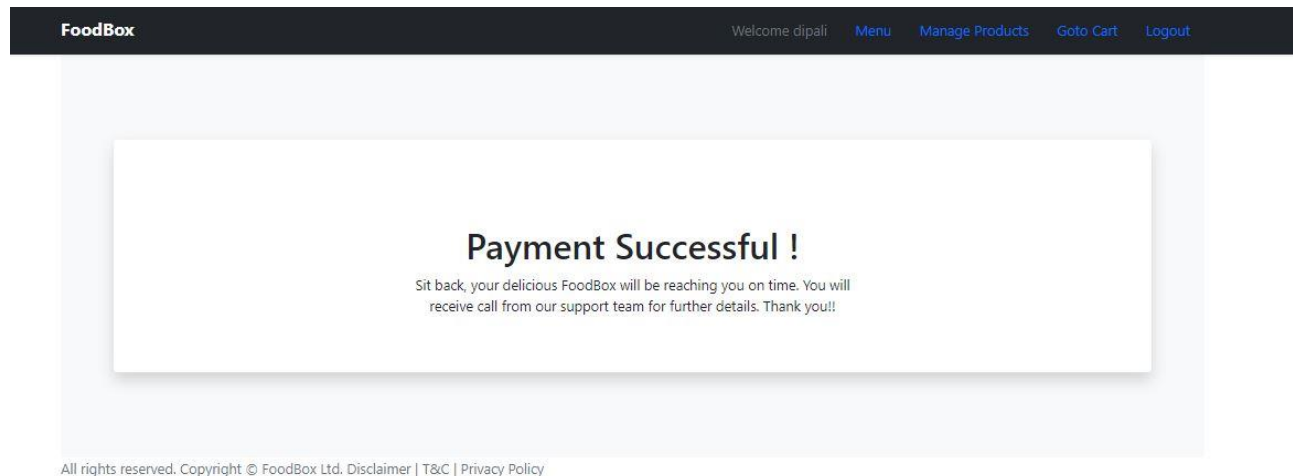
INR 248

Total (INR)

398

Continue to checkout

3.10 Success page



4. Core Concepts and tools used in the project

1. Database management: MySQL
2. Backend logic: Spring Boot, JPA, JWT Authentication, RestAPI
3. Frontend development: Angular, Bootstrap
4. DevOps and production technologies: Git, GitHub, Docker and AWS

5. Link to the GitHub repository

Link to GitHub repository for source code of the project is as below:

<https://github.com/AnupriyaSharma294/Foodbox>

6. Conclusion

This application provides interface for admin as well as non-admin users to manage the business data and/or view menu and checkout the order.

Further enhancements can be added to project as:

1. Look and feel of the pages can be further enhanced.
2. JUNIT5 test cases can be added for all the functionalities.