Project Report

On

FOOD CORNER

Submitted in partial fulfillment for the award of

Diploma in Advance Computing (E-DAC) from

C-DAC, ACTS (Pune)

Guided by

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Centre for Development of Advanced Computing (C-DAC), Pune

ACKNOWLEDGEMENT

This project "**FOOD CORNER**" was a great learning experience for us and now on completion we are submitting our project to Advanced Computing Training School (CDAC ACTS).

We are highly indebted to Mr. Suleman Saudagar for her guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

We would like to express our gratitude towards members of ACTS for their kind co-operation and encouragement which helped us in completion of this project.

We would like to express our special gratitude and thanks to industry persons for giving us such attention and time.

Our heartfelt thanks goes to *Ms. Swati Salunkhe* (Course Coordinator, E-*DAC*) who gave all the required support and kind coordination to provide all the necessities and extra hours to complete the project and throughout the course up to the last day here in C-DAC ACTS, Pune.

From:

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1. Introduction of Project:

In today's age of fast food and take-out, many canteens have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until now all of these orders were placed to the waiters, but there are many disadvantages to this system, including the inconvenience of the customer needing to have a physical copy of the menu, lack of a visual confirmation that the order was placed correctly. There are many disadvantages to this system, including the inconvenience of the student.

What we propose is a "Food Corner" Automation System, which is a technique of ordering food online and get QR code of your order for the unique delivery. The main advantage of this system is that it greatly simplifies the ordering process for the student and the canteen owner. When the student visits the webpage, they are presented with an interactive and up-to-date menu, complete with all available options.

2. Product Overview and Summary

2.1 Purpose:

CDAC-ACTS trains around thousands of students in their PG-Diploma courses. To identify, analyze the problems faced by the students in finding accommodation and to address the hassle with manual canteen management system. Commercial house rental websites fail to make full use of available paying guest options, and due to which many students face difficulty in finding an accommodation

2.2 Scope

In this project we can develop a system which will help student in finding accommodation and order food. Thus, reducing time and labour required in above task. We can further roll out this system for other CDAC affiliated centres as well. We can also integrate a full fledge payment portal to make our system more efficient.

2.3 Feasibility Study

Feasibility is determination of whether a projects worth doing or not. Before actually recommending the new system, it is important to investigate if it is feasible to develop the new system.

Before developing and implementing a system we have sure that our system is feasible in the following ways:

- **Technical Feasibility**

In the type of feasibility study, the system analyst has to check whether it is possible or not to develop the requested system with availability of manpower, software, hardware, etc. The system which we run in Linux as well as windows platform and hence are suitable for the end- user. The system is technically feasible because it does not require too many resources and runs with the browser. A proof of concept was implemented to verify the technical feasibility to retrieve data from various APIs.

- **Operational Feasibility:**

In this type of feasibility study the operation implementation of the system is considered. Checking is done regarding whether it is feasible for the users to use the application. Thus, the proposed system is said to be operationally feasible only of the end users are able to understand the system clearly and correctly and can use the system with ease and with the minimum training.

3.Overall Description:

3.1Product Features

The project's aim is to provide a Student and Staff Authenticate and secure delivery of food

3.2Technology Used

BACK END
Spring Boot.
MYSQL database.

FRONT END
React
Bootstrap.
Redux

Platform:
Web Development: J2EE Spring Boot, React, MySQL

J2EE Spring Boot

Spring Boot has been built for Rapid Application Development. The goal of Spring Boot is to provide a way to create Java applications quickly and simply, through an embedded server. By default, it used an embedded version of Tomcat and hence eliminating the need of Java EE containers.
It is a framework to ease the bootstrapping and development of new Spring Applications. Bootstrapping with defaults included in the configuration/ jar-dependencies. Easy to create standalone applications with embedded Tomcat/Jetty/Undertow. It provides defaults for code and annotation configuration to quick start new spring projects within no time. Plenty of Spring Boot Starter to quickly get up and running.
No code generation and no requirement for XML configuration. It reduces lots of development time and increases productivity.

React

React is a JavaScript library for building user interfaces. It has transformed the way we think about front-end development. React.js has clasped the engagement of the open-source community. And its demand is irreversible in the coming future.

MySQL

MySQL is an open-source relational database management system (RDBMS).A list of commonly used MySQL queries to create database, use database, create table, insert record, update record, delete record, select record, truncate table and drop table etc. MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications.
The most common use for MySQL, however, is for the purpose of a web database. It can be used to store anything from a single record of information to an entire inventory of available products for an online store. In association with a scripting language such as PHP or Perl (both offered on our hosting accounts) it is possible to create websites which will interact in real- time with a MySQL database to rapidly display categorized and searchable information to a website user.

3.3 Overall Features

The users can be divided into two main classes:

1)Owner: Its primary objective is to conduct login. They should have adequate experience of using a computer to be able to configure the information properly. The features that are available to the Owner are:

♣ An Owner can login into the system and perform any of the available operations.
♣ Can add new Item .
♣ Can remove already present Item
♣ Can make search for a specific Item.
♣ Can display all the details of the Item
♣ Can able to update the price of particular Item
♣ Can able to update the available Quantity of Item.
♣ Can logout from the System.

2)Customer: The Student should have a basic knowledge of how to use a web browser and navigate through web pages. The user should be aware that they have to keep their user-id and password confidential.

♣ If Customer is new ton Portal He/She can able to Create New Account.
♣ Customer can login into the system and perform any of the available operations.
♣ Can make search for a specific Item.
♣ Can display all the details of the Item
♣ Can Add Item to the cart
♣ Can Remove Item from cart
♣ Can place order
♣ QR code generation
♣ Can logout from the System

4.1REQUIREMENTS

4.1 FUNCTIONAL REQUIREMENTS

Login of Owner

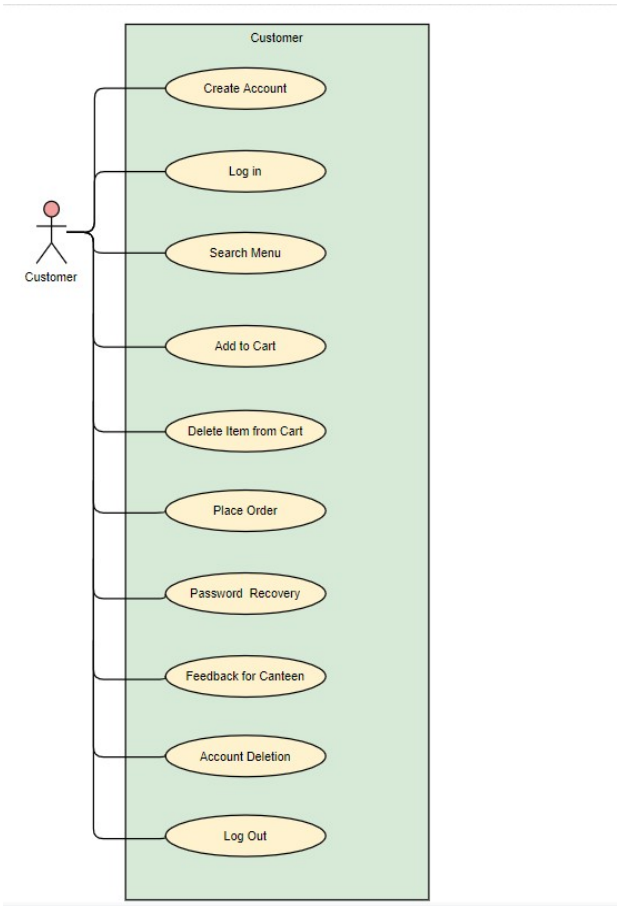
o The system will allow the Owner to add, delete, update Item.
o The system will allow the Owner to view the list of Item and information.

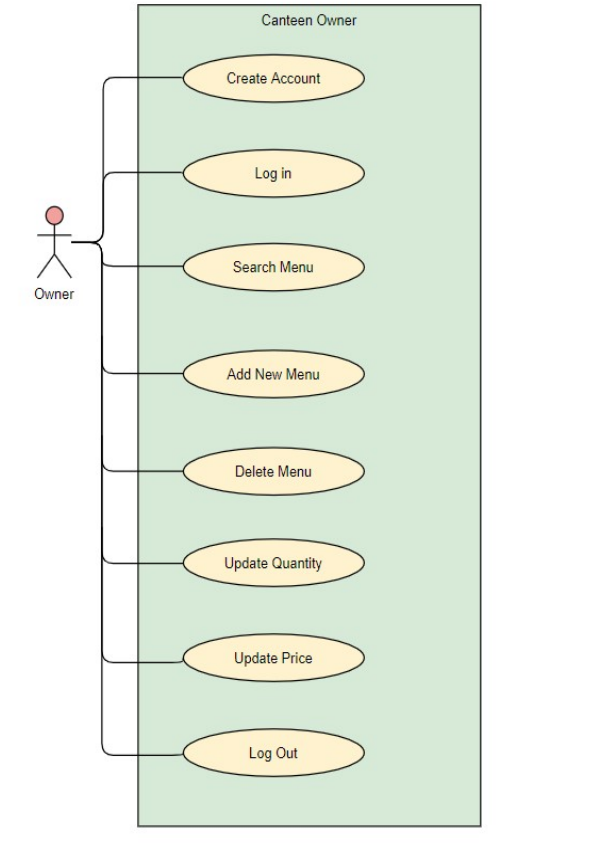
Login of Student

o The system will allow the Customer to login with the registered Email id.
o The system will allow the Customer to access/Display all Item in List.
o The system will allow the Customer to Sign up for New Customer.
o The system will allow Customer to add Item, Remove Item, Update Item Numbers In cart.
o The system will allow Customer to place Order with QR code Generation

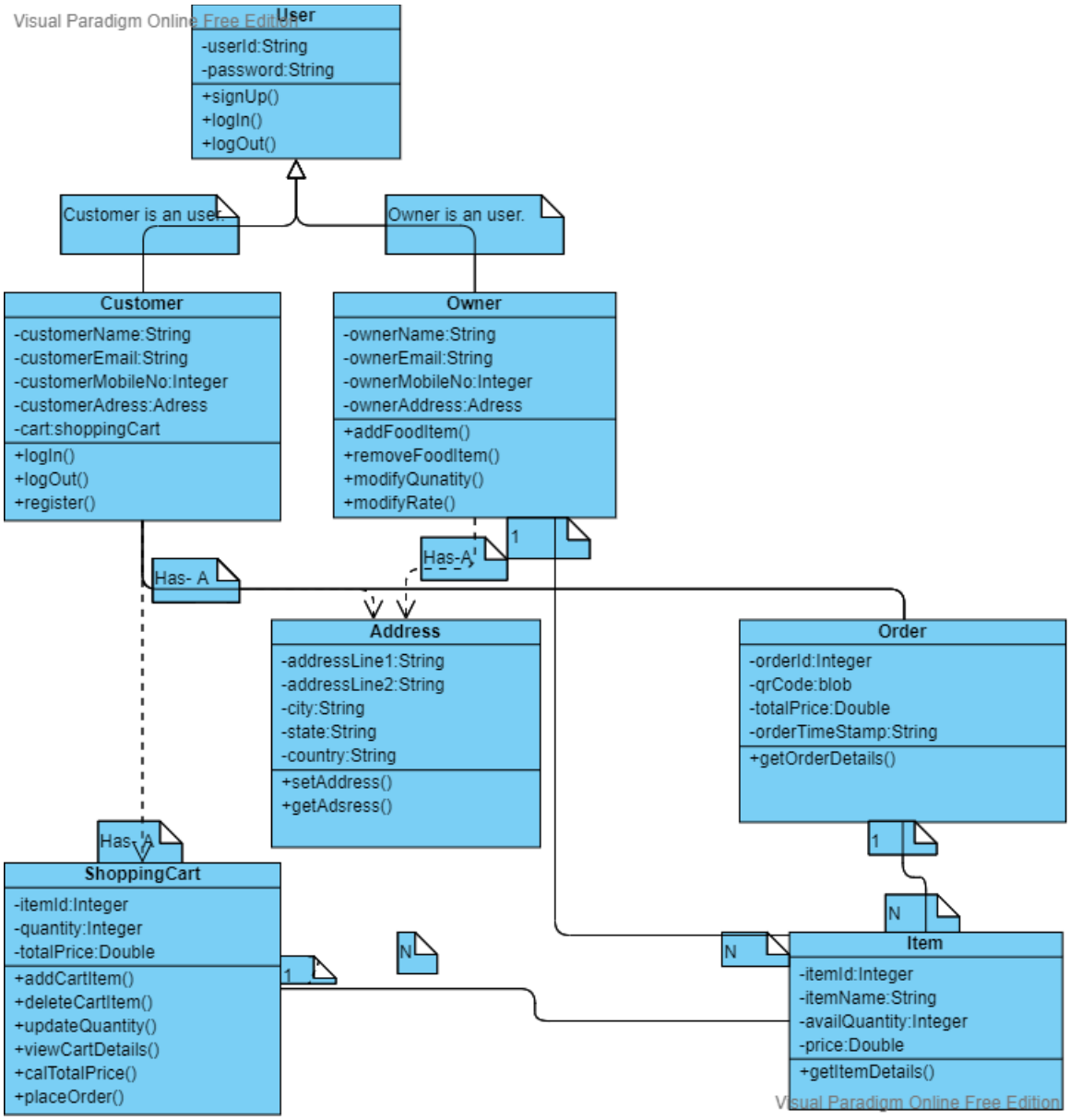
4.2 COMPLETE SYSTEM

A) Use Case diagram:

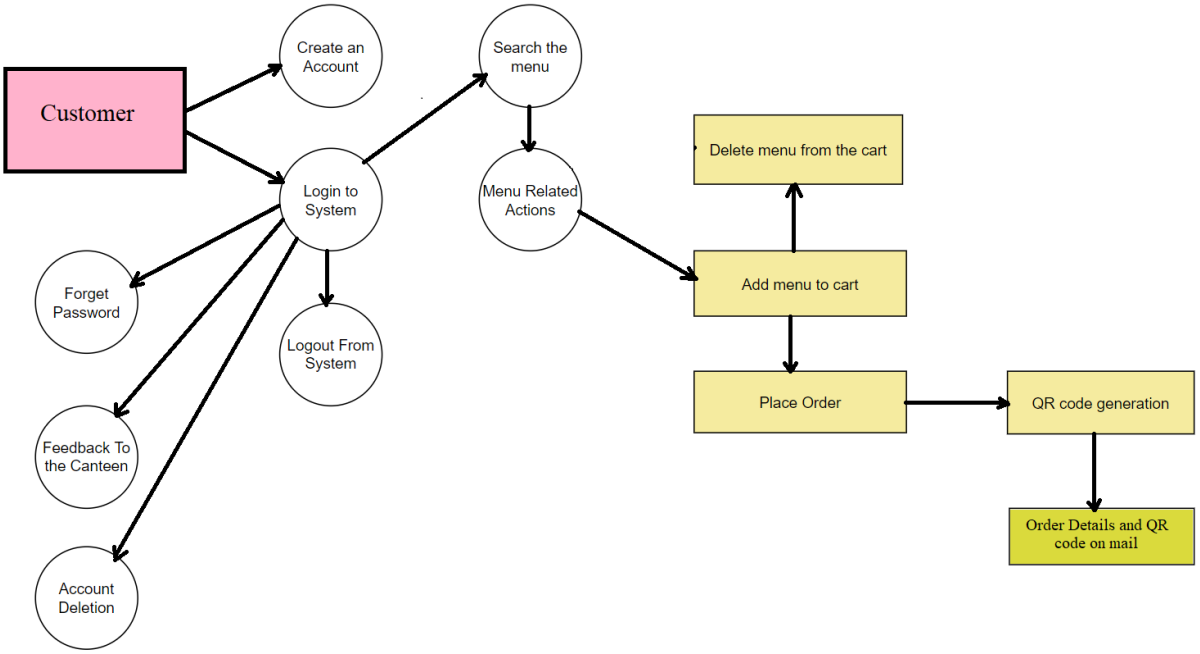


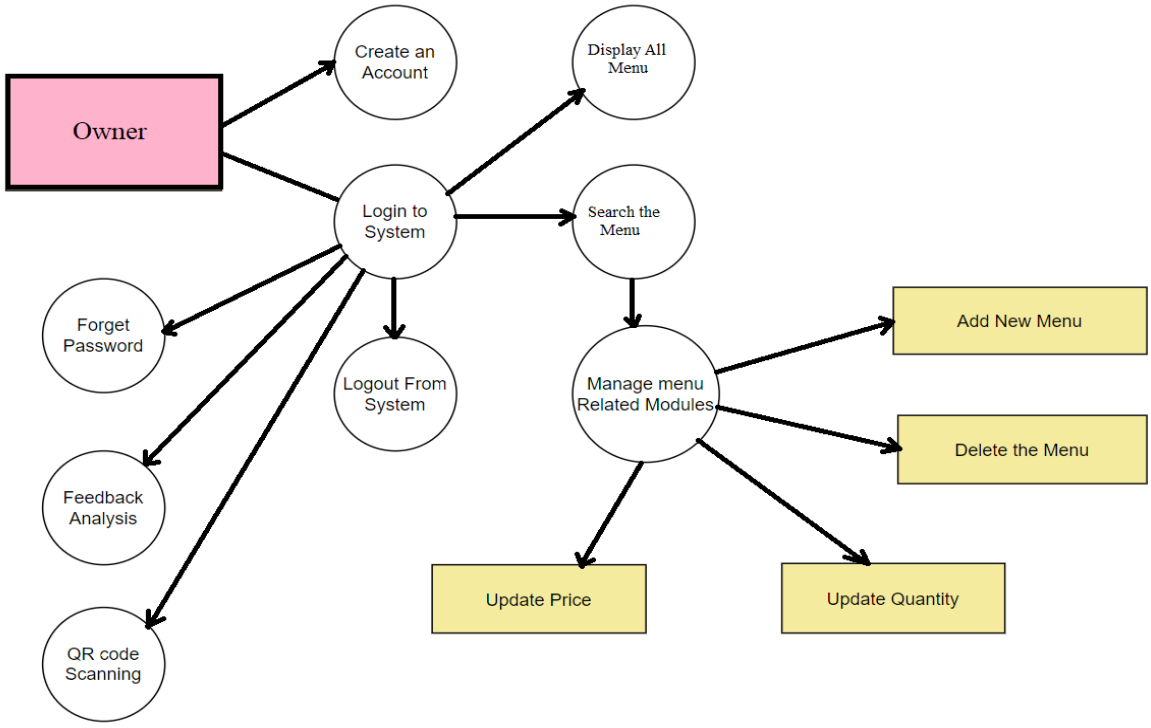


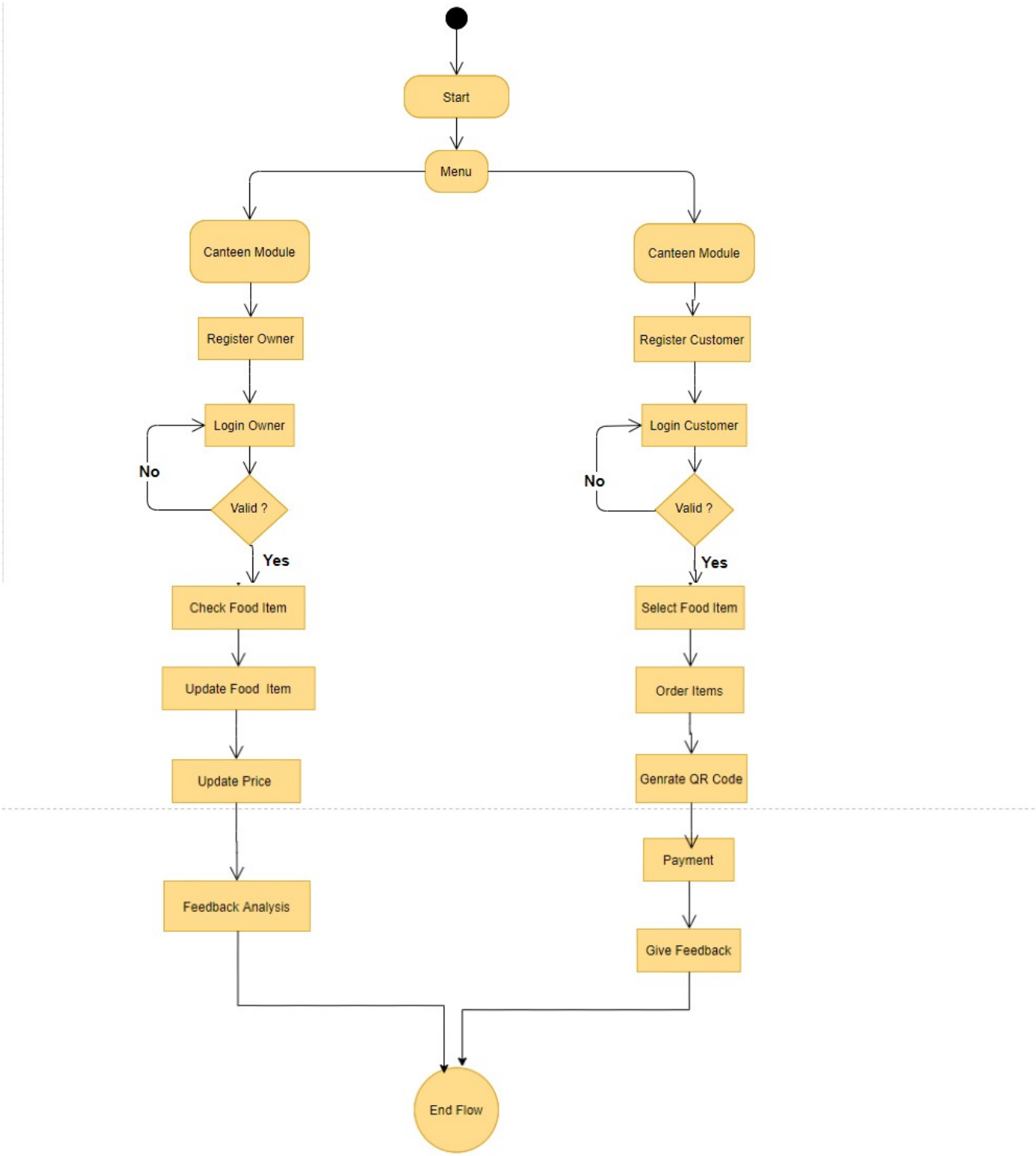
B) Class Diagram



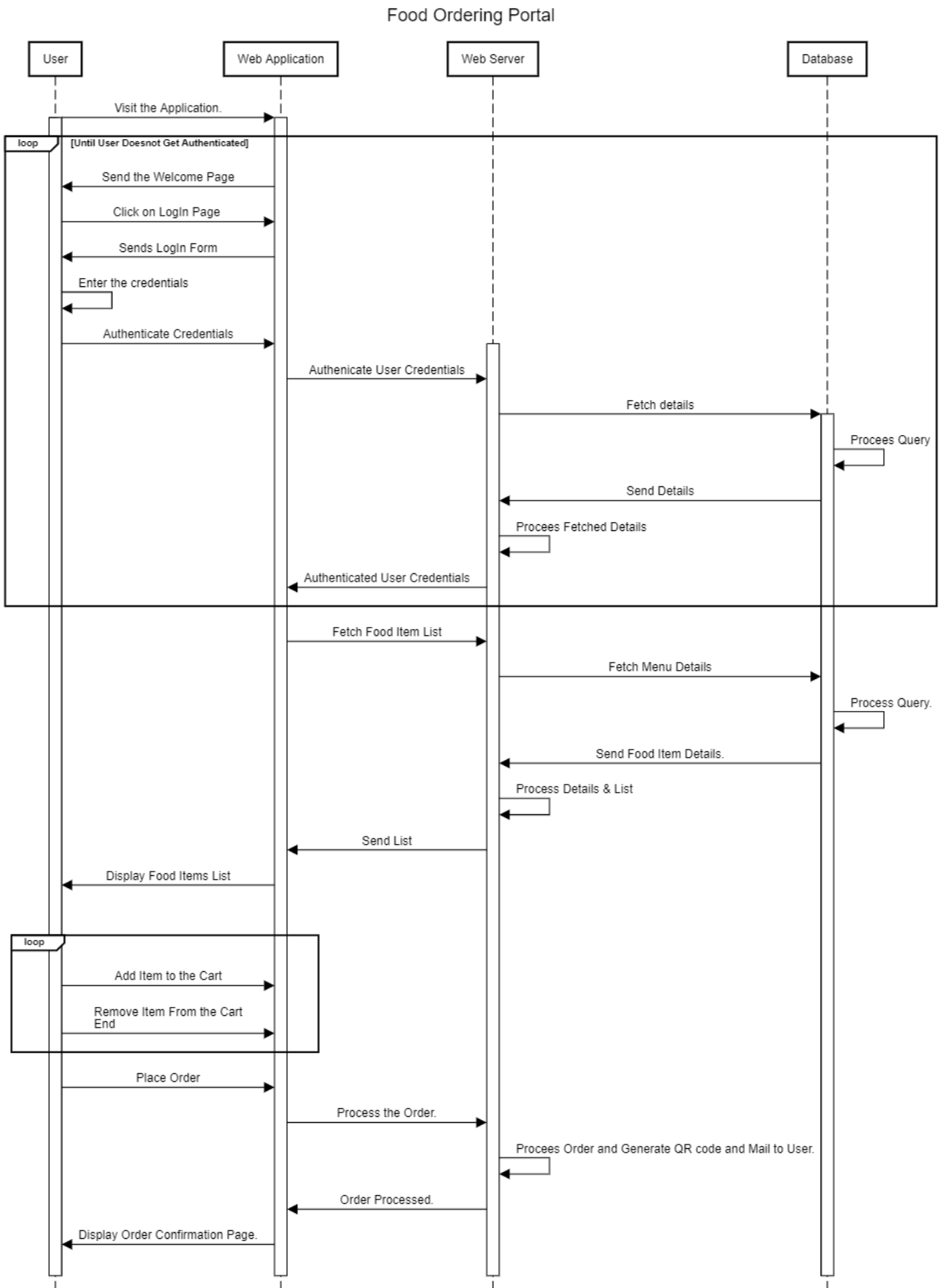
C) DFD Diagram





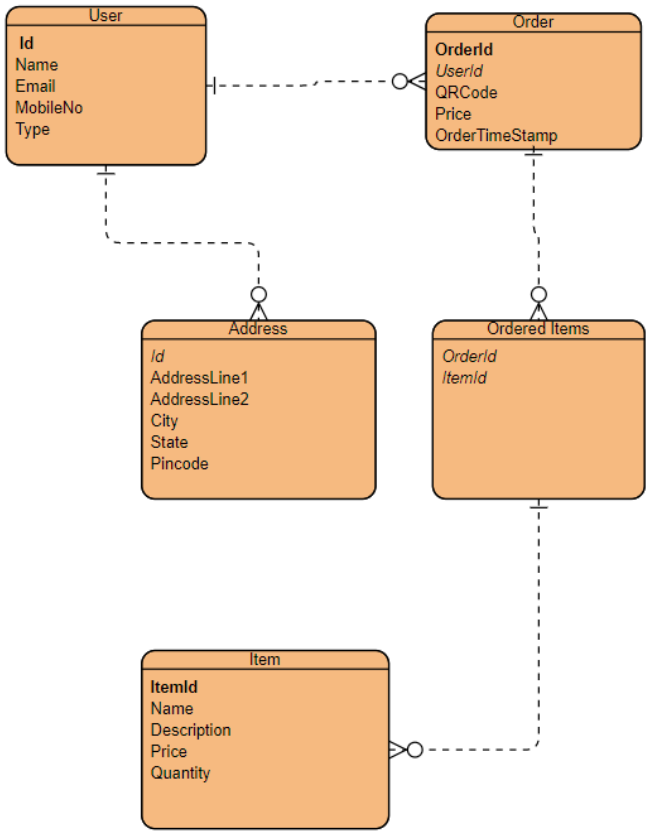


D) Activity Diagram


Food Ordering Portal
User
Web Application
Web Server
Database
Visit the Application.
loop
[Until User Doesnot Get Authenticated]
Send the Welcome Page
Click on LogIn Page
Sends LogIn Form
Enter the credentials
Authenticate Credentials
Authenicate User Credentials
Fetch details
Procees Query
Send Details
Procees Fetched Details
Authenticated User Credentials
Fetch Food Item List
Fetch Menu Details
Process Query.
Send Food Item Details.
Process Details & List
Send List
Display Food Items List
loop
Add Item to the Cart
Remove Item From the Cart
End
Place Order
Process the Order.
Procees Order and Generate QR code and Mail to User.
Order Processed.
Display Order Confirmation Page.

E)Sequence Diagram

5.Database Design:



6.Testing Phase:

6.1)User Controller-:

Test Case ID	Test Case Procedure	Input Data	Expected Output	Actual Output	Test Status
TC01	Register new user	User object	Status code:201(Created)	Status code:201(Created)	Pass
TC02	Authenticate user	Email and password	Status code:200(OK)	Status code:200(OK)	Pass
TC03	Delete user	User Id	Status code:400(Bad Request)	Status code:400(Bad Request)	Pass
TC04	Update user	User object	Status code:403 (Forbidden)	Status code:403 (Forbidden)	Pass

6.2)Access Menu and Select Menu -:

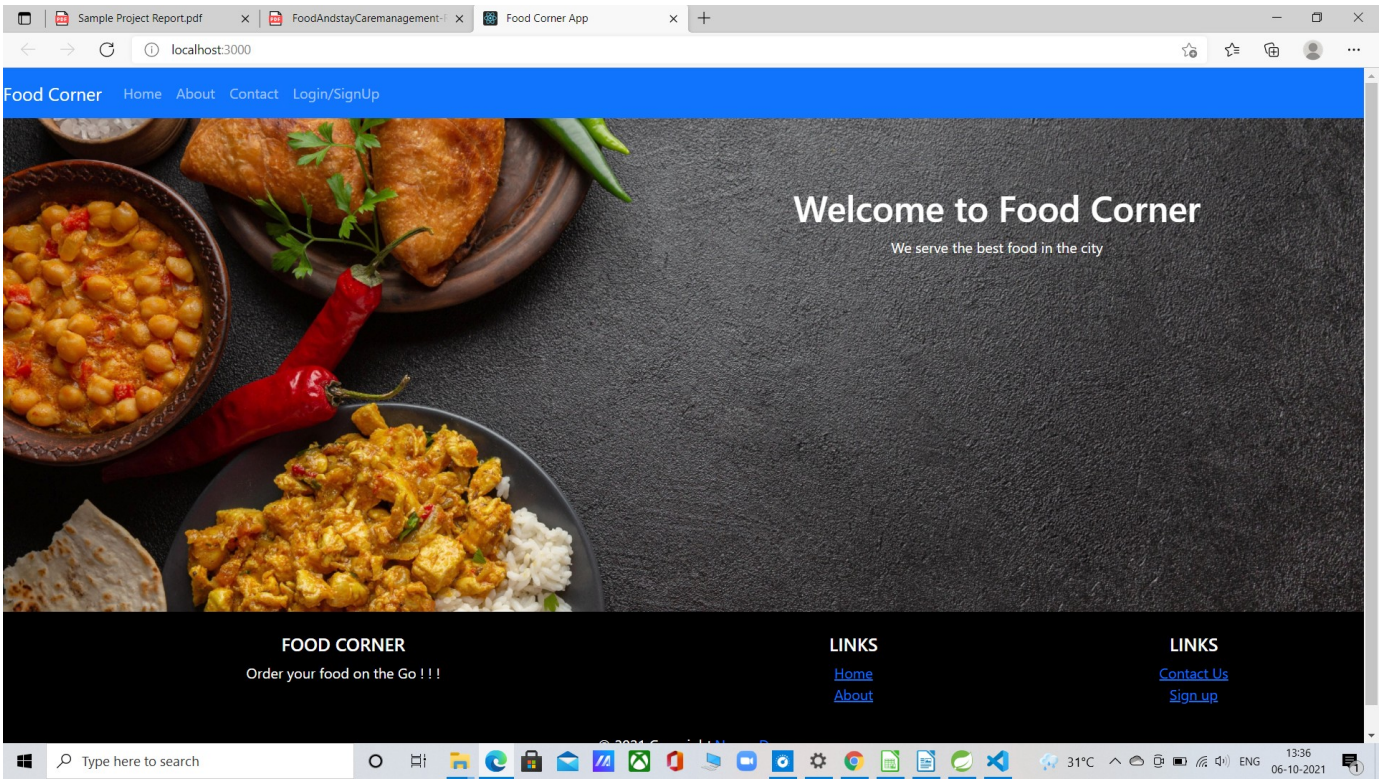
Test Case ID	Test Case Procedure	Input Data	Expected Output	Actual Output	Test Status
TC01	Get menu list	Day and Meal Type	Status Code 200(Ok)	Status Code 200(Ok)	Pass
TC02	Add menu item	Menu object	Status code:201(Created)	Status code:201(Created)	Pass

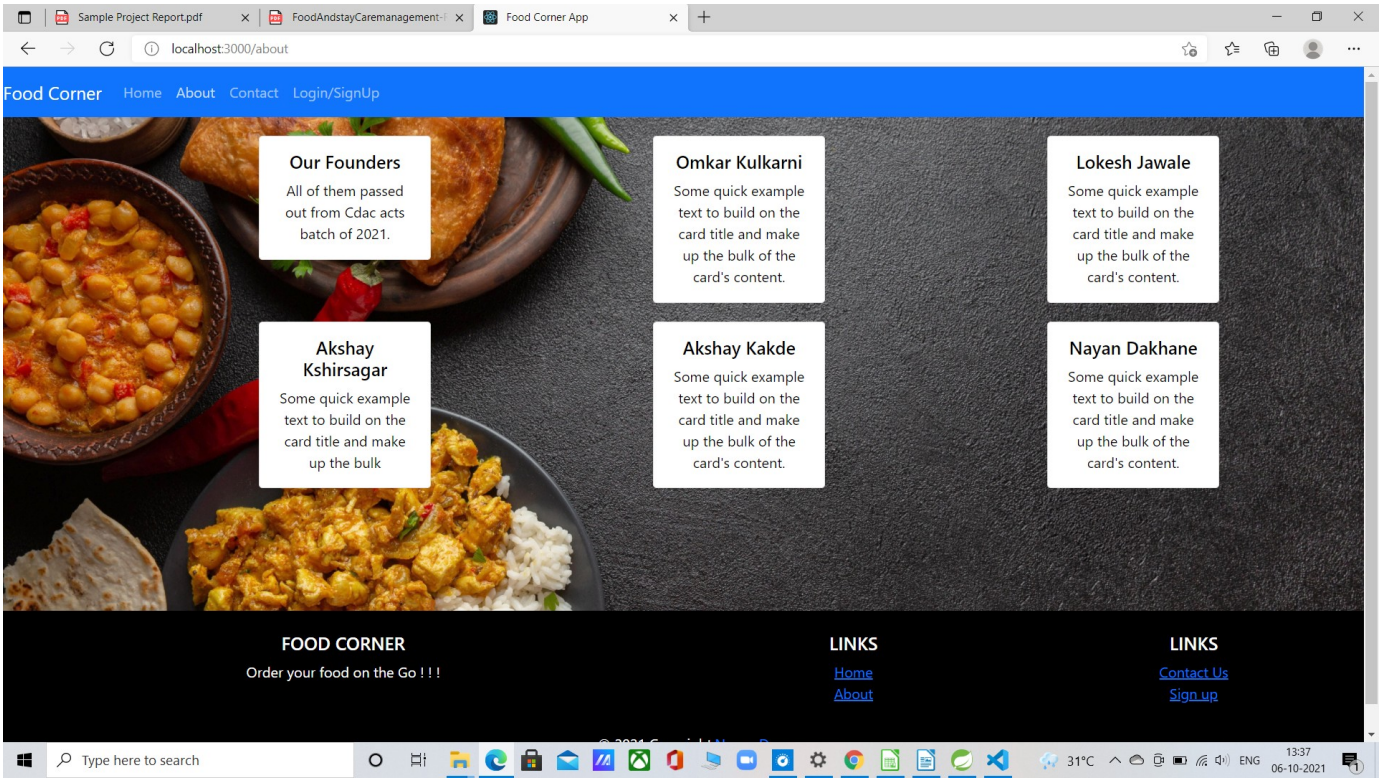
6.3)For Placing Order -:

Test Case ID	Test Case Procedure	Input Data	Expected Output	Actual Output	Test Status
TC01	Order placed	Menu item array	Status code:200(OK)	Status code:200(OK)	Pass
TC02	Order Cancelled	Menu item array	Status code:406(Not acceptable)	Status code:406(Not acceptable)	Pass

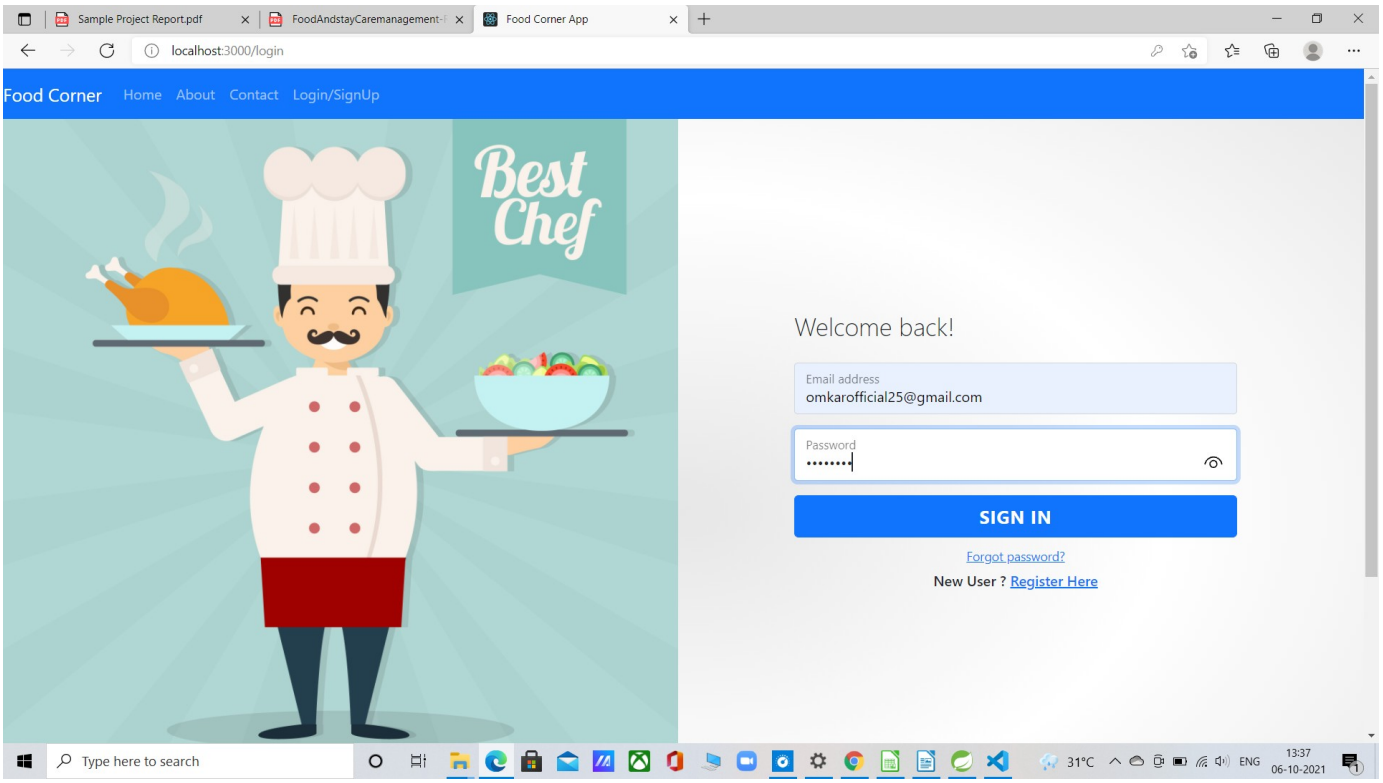
7.User Interface:

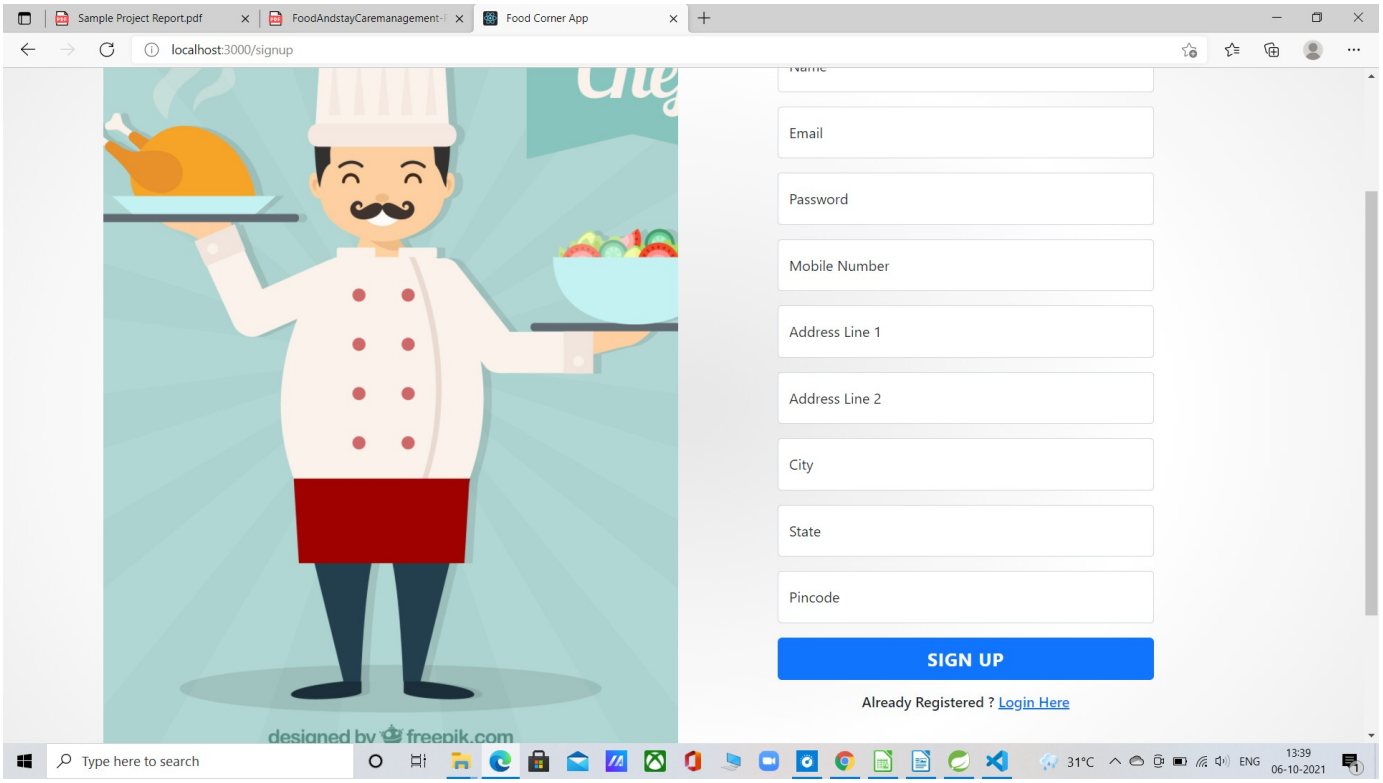
7.1) Landing Pages



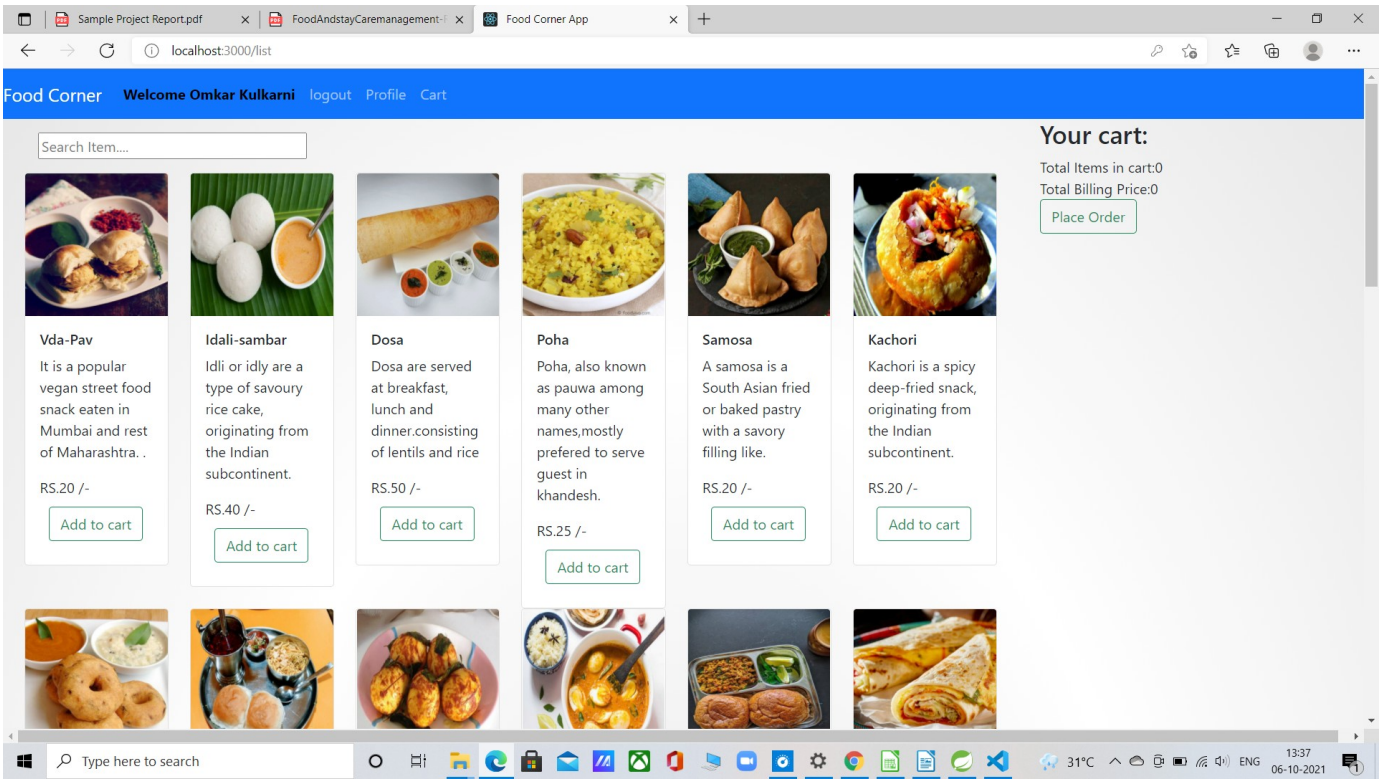


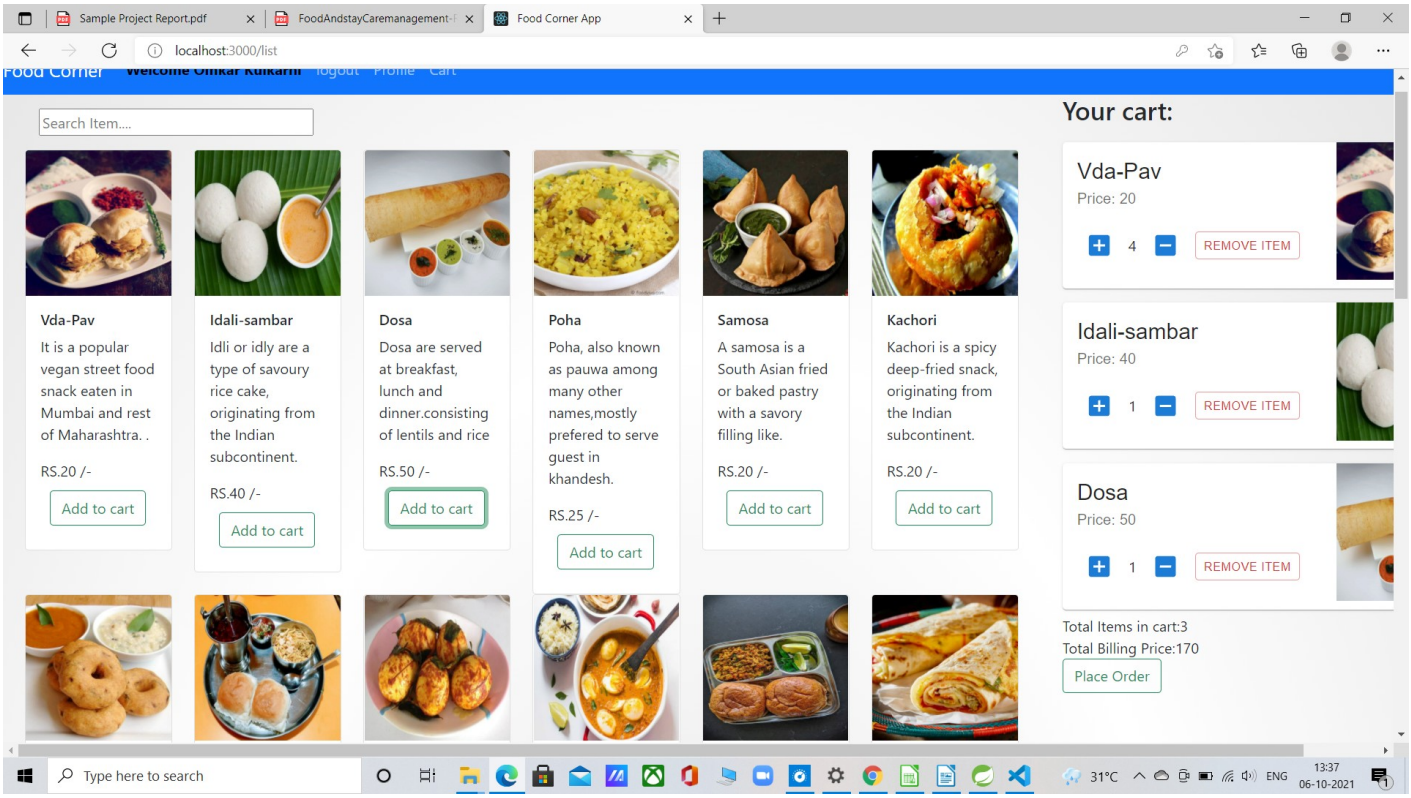
7.2 User LogIn and User SignUp -:

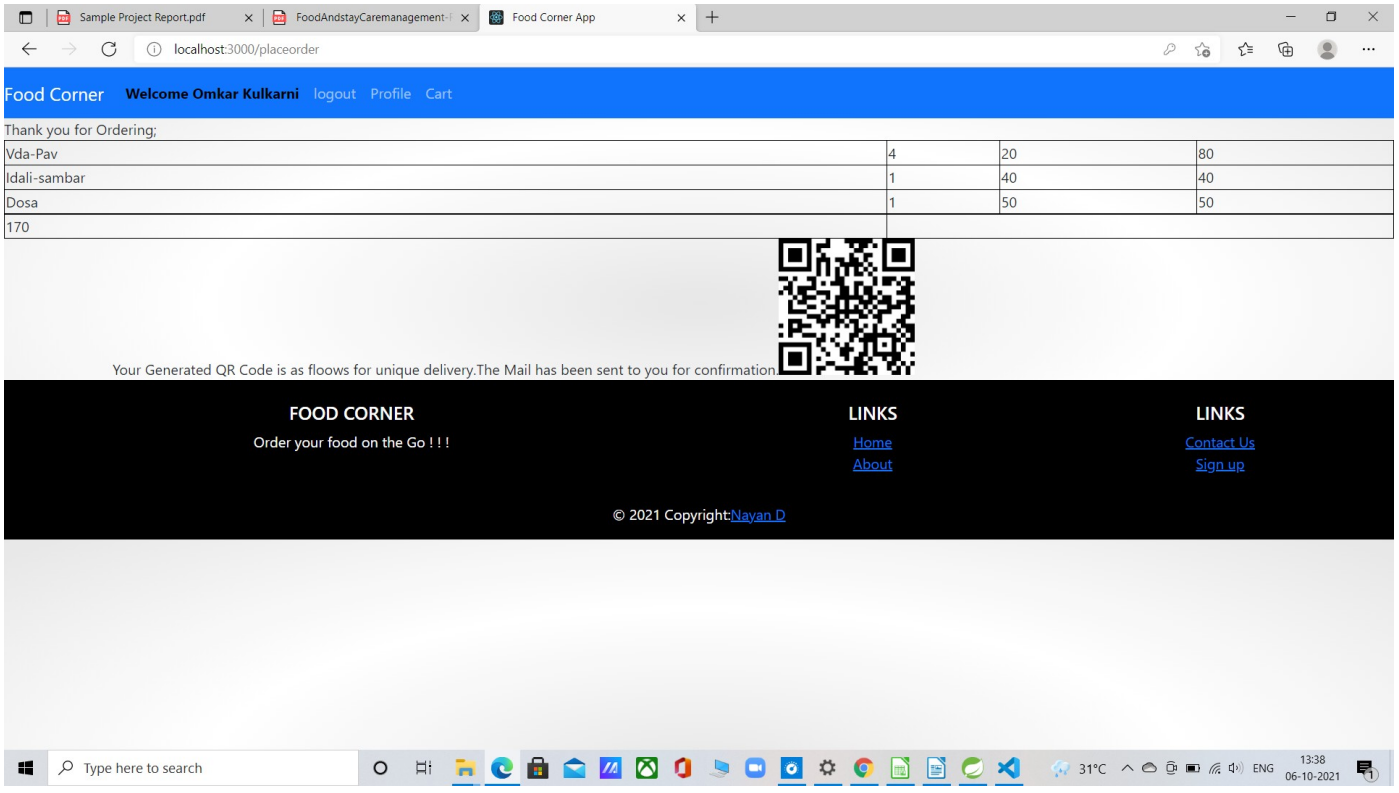




7.3 User All Functionalities -:




Sample Project Report.pdf
FoodAndstayCaremanagement-I
Food Corner App
localhost:3000/list
Food Corner
Welcome Omkar Kulkarni
logout
Profile
Cart
Search Item....
Vda-Pav
It is a popular vegan street food snack eaten in Mumbai and rest of Maharashtra. .
RS.20 /-
Add to cart
Idali-sambar
Idli or idly are a type of savoury rice cake, originating from the Indian subcontinent.
RS.40 /-
Add to cart
Dosa
Dosa are served at breakfast, lunch and dinner.consisting of lentils and rice
RS.50 /-
Add to cart
Poha
Poha, also known as pauwa among many other names,mostly prefered to serve guest in khandesh.
RS.25 /-
Add to cart
Samosa
A samosa is a South Asian fried or baked pastry with a savory filling like.
RS.20 /-
Add to cart
Kachori
Kachori is a spicy deep-fried snack, originating from the Indian subcontinent.
RS.20 /-
Add to cart
Your cart:
Vda-Pav
Price: 20
4
REMOVE ITEM
Idali-sambar
Price: 40
1
REMOVE ITEM
Dosa
Price: 50
1
REMOVE ITEM
Total Items in cart:3
Total Billing Price:170
Place Order
Type here to search
31°C
ENG
13:37
06-10-2021


Sample Project Report.pdf
FoodAndstayCaremanagement-I
Food Corner App
localhost:3000/placeorder
Food Corner
Welcome Omkar Kulkarni
logout
Profile
Cart
Thank you for Ordering;
Vda-Pav 4 20 80
Idali-sambar 1 40 40
Dosa 1 50 50
170
Your Generated QR Code is as floows for unique delivery.The Mail has been sent to you for confirmation
FOOD CORNER
Order your food on the Go ! ! !
LINKS
Home
About
LINKS
Contact Us
Sign up
© 2021 Copyright:Nayan D
Type here to search
31°C
ENG
13:38
06-10-2021

FOOD CORNER

omkarak25@gmail.com
to me

Hi Thank you for ordering from FOOD CORNER.Tour order details are
Dosa 50 2
Poha 25 1
Total price125

Reply Forward

Price:60

8.Conclusion And Future Scope:

Conclusion:

In this project, we have implemented application called “Food Corner” that is food ordering portal that provides online food ordering services to the users. By using this portal user can order food on the basis of available food items, user can search the desired food item and can give the rating to the ordered food. The owner can update the menu ,also owner can add new item to the menu. The order is tracked with unique QRCode for authenticate and secure food order by sending mail to the user by using technologies like ReactJS-redux,SpringBoot,RestAPI and Bootstrap.

Future Scope:

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- Multiple hotel’s can be added.
- As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment.
- Because it is based on object-oriented design, any further changes can be easily adaptable.
- Based on the future security issues, security can be improved using emerging technologies.
- Admin module can be improved