



# **PES University, Bengaluru**

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**Department of Computer Science & Engineering**

**Session: Jan - May 2022**

**UE19CS353 – Object Oriented Analysis and Design with Java**

**Theory ISA (Mini Project)**

Report on

## **ONLINE FOOD ORDERING SYSTEM**

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**6<sup>th</sup> Semester Section B**

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## **1. Project Description**

The food ordering system is a simple JAVA project that is designed to cater the orders of customer with this platform. Our plan is the implement a restaurant ordering system that can manage the user's order details, items and payments. It also has a database to manage the food orders for restaurants.

### a. Link to Github repository

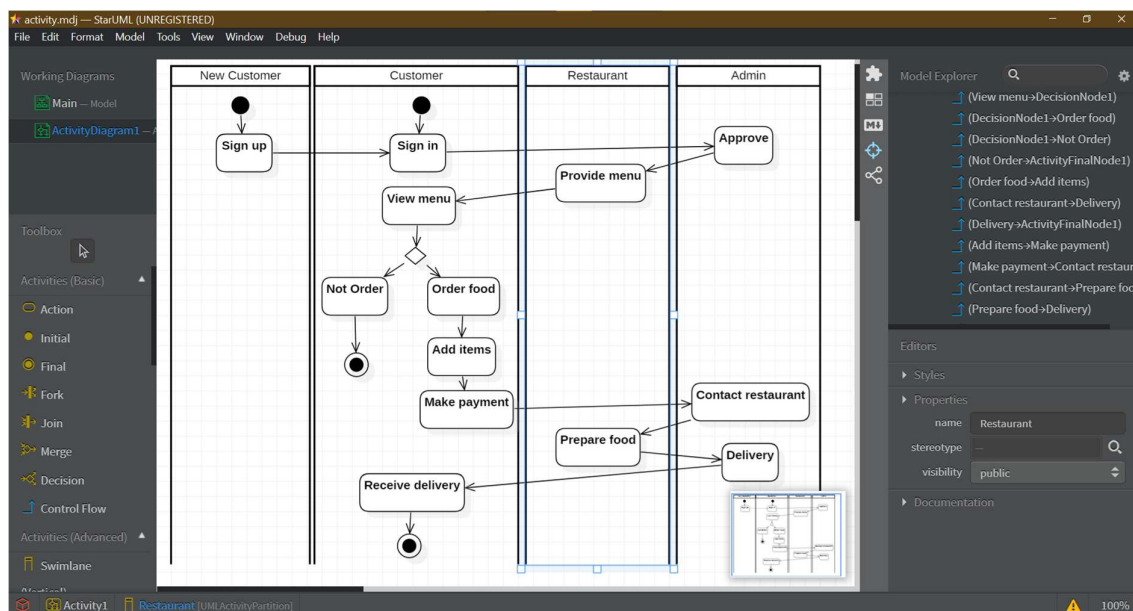
<https://github.com/lasya-priya-d/ooad-project-foodOrderingSystem>

## 2. Analysis and Design Models

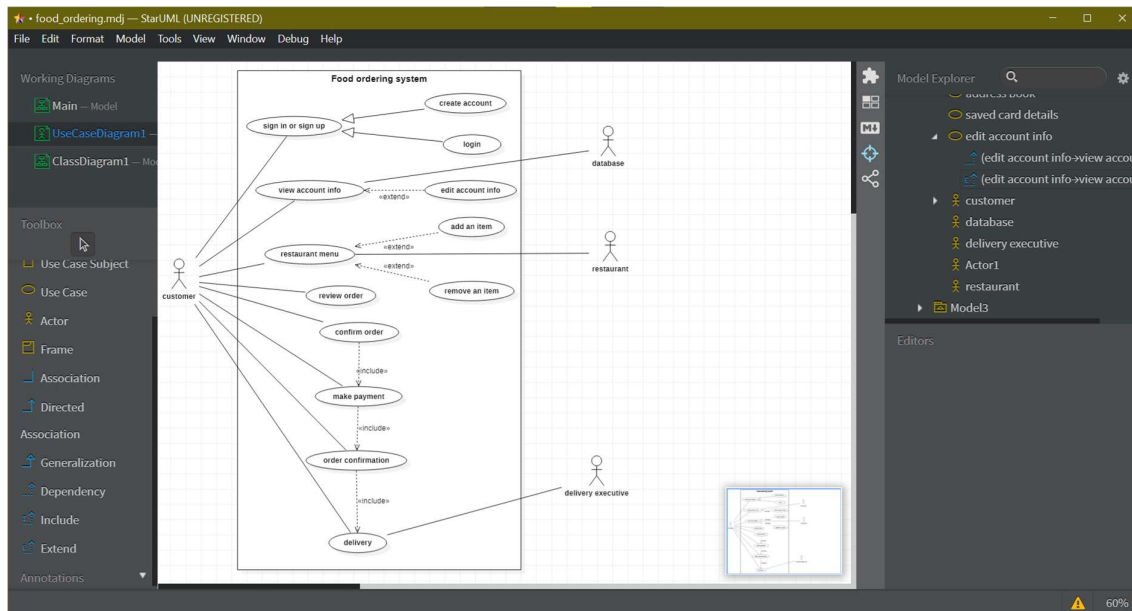
### Functionalities:

- \* User can register, view menu, order food from anywhere, manage their profile.
- \* Admin can place food order inside food shop, modify his profile info.
- \* Users can also leave their valuable feedback through a comment section.

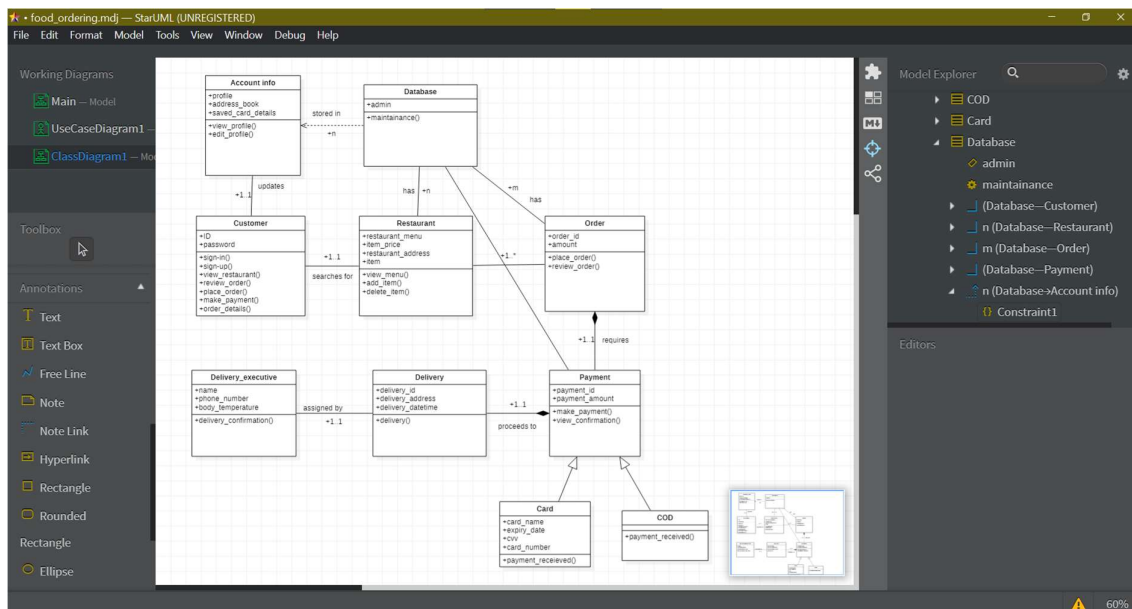
### 2.1 Activity Diagram



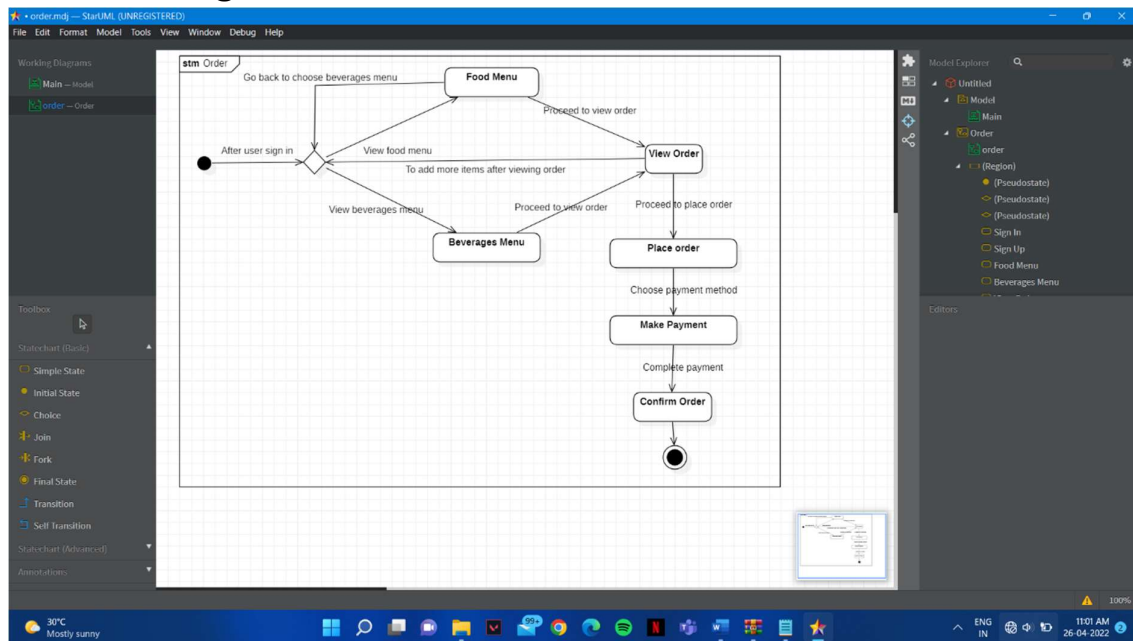
## 2.2 Use case diagram



## 2.3 Class diagram



## 2.4 State diagram



## 3. Tools and Frameworks Used

### Tools:

Swing

XAMPP

### Technologies:

Java – widely used object-oriented language

Swing – java user interface library

MySQL – data storage solution

Visual studio code – IDE

## 4. Design Principles and Design Patterns Applied

Design Pattern Used: Facade

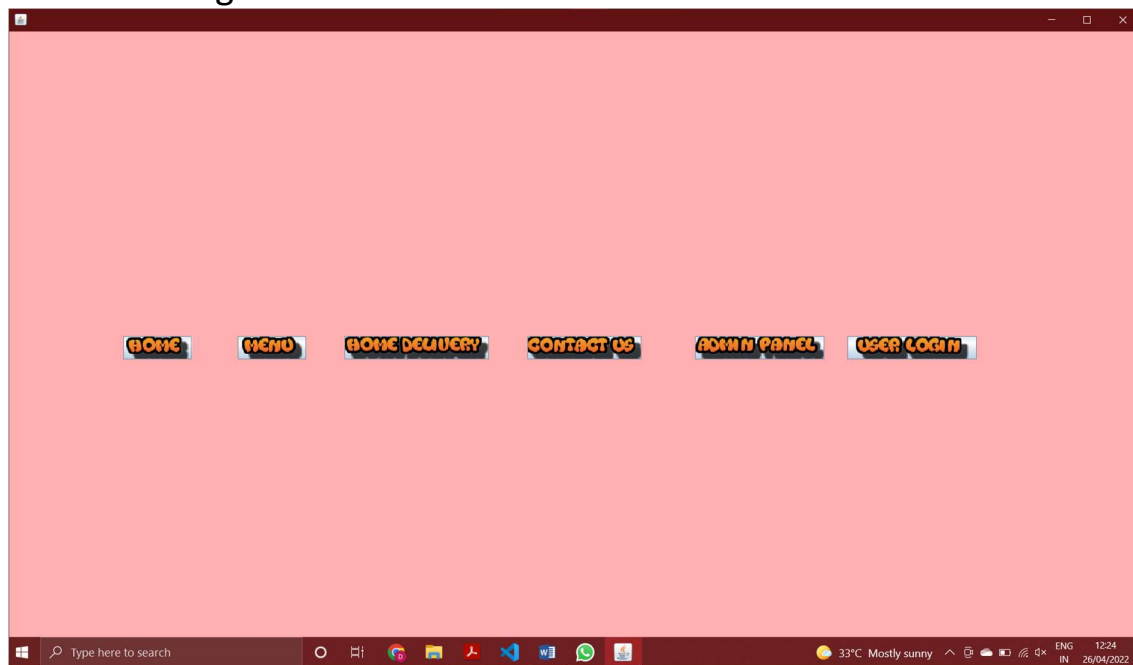
Facade is a part of Gang of Four design pattern and it is categorized under Structural design patterns. Facade is a class that provides a simple interface to a complex subsystem which contains lots of moving parts. A facade might provide limited functionality in comparison to working with the subsystem directly. However, it includes only those features that clients really care about.

Design Pattern Used: Singleton

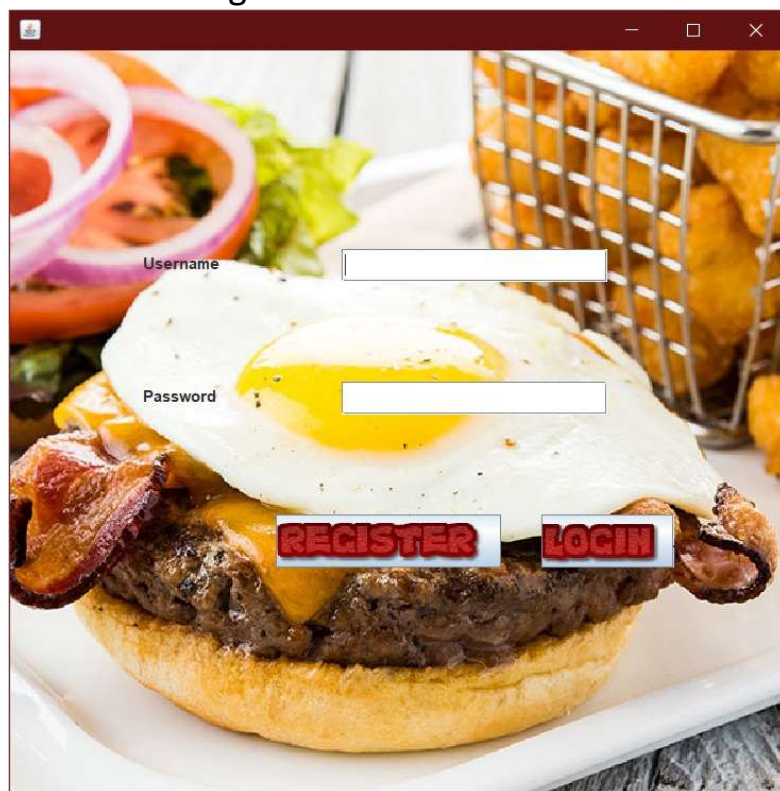
Defines a class that has only one instance and provides a global point of access to it. In our project, the jdbc connection from the project to the database is this single global access point. This is because once created, we use the same connection every time we need to upload data to the database.

## 5. Application Screenshots

### 5.1 Home Page



### 5.2 User login





### 5.3 Admin page

Admin Username

Admin Password

Admin Login

### 5.4 Menu page

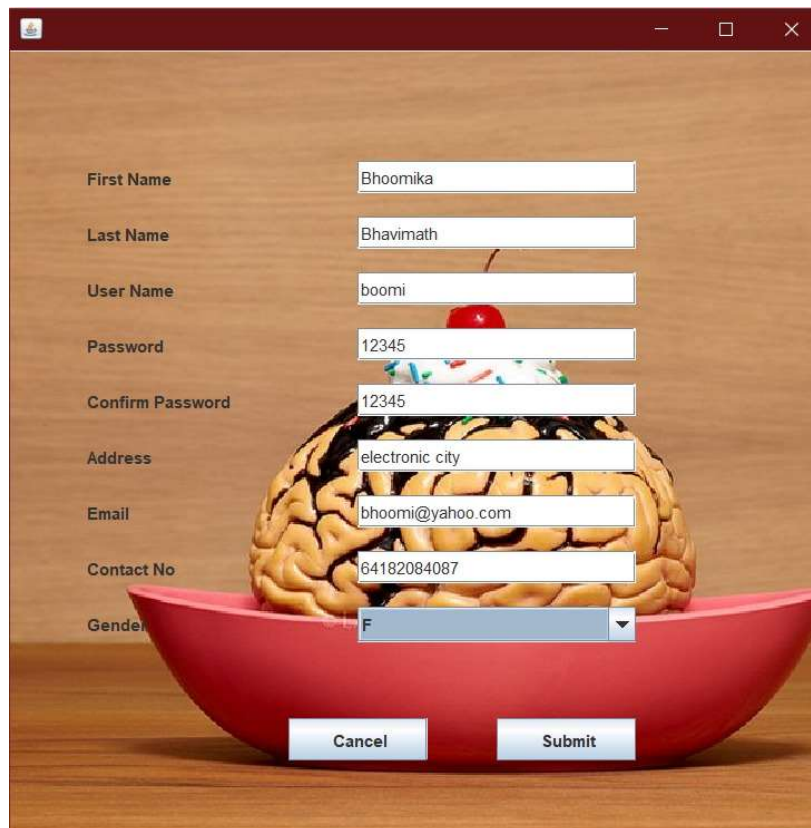
MENU	
<b>BURGER</b>	<b>PIZZA</b>
1.Cheese Burger(Rs 190/-)	1.Beef and Bacon (Rs 170/-)
2.BBQ Cheese Burger(Rs 190/-)	2.Cheesey Carlic Pizza (Rs 200/-)
3.Twister (Rs 200/-)	3.Pepproni(Rs 220/-)
4.Classic (Rs 220/-)	4.Creamy Prawn(Rs 240/-)
5.The Regular (Rs 240/-)	5.Peri Peri Chicken(Rs 250/-)
6.Beef & Bacon (Rs 250/-)	6.Grand Supremme(Rs 250/-)
7.Counter Burger(Rs 250/-)	7.Garlic Prawn(Rs 260/-)
8.Fish Burger(Rs 250/-)	8.BBQ Chicken & Bacon(Rs 280/-)
9.Chicken Supremme(Rs 300/-)	9.Vaggie max(Rs 280/-)
10.Whooper(Rs 320/-)	10.Bacon & Mushroom(Rs 300/-)
11.Chicken Cheese Delight(Rs 340/-)	11.Smoked Chicken Pizza(Rs 300/-)
12.Mushroom Caramel(Rs 320/-)	12.Sausage & Bacon(Rs 320/-)
13.Tuna Burger(Rs 380/-)	13.Hot & Spicy Beef(Rs 340/-)
14.Nutella & Nutty(Rs 400/-)	14.Hot & Twisted(Rs 340/-)
15.Half Pounder(Rs 530/-)	15.Spicy Italian Sausage(Rs 340/-)

MENU	
<b>PASTRY</b>	<b>DRINKS</b>
1.Black Forest (Rs 120 /-)	1.Water Bottle 500ml (Rs 15/-)
2.Vanilla Cream Cake (Rs 120 /-)	2.Soft Drinks in Bottle(Rs 15/-)
3.Coffee Cream Cake (Rs 130 /-)	3.Soft Drinks in can (Rs 35/-)
4.Strawberry Mousse Cake (Rs 140 /-)	4.Hot Chocolate(Rs 190/-)
5.Chocolate Mousse Cake (Rs 150 /-)	5.Lemonade (Rs 200/-)
6.Chocolate Fudge Cake(Rs 150 /-)	6.Smothie(Rs 220/-)
7.Red Velvet Cake(Rs 150 /-)	7.Flavored Shakes(Rs 250/-)
8.Fruits & Nuts Cake(Rs 150 /-)	8.Blue Lagoon (Rs 250/-)
9.Cream Cheese Cake(Rs 160 /-)	9.Gummy Bear Drinks(Rs 300/-)
10.Chocolate Stream Cake(Rs 180 /-)	
11.Blueberry Cheese Cake(Rs 180 /-)	
12.Strawberry Cheese Cake(Rs 180 /-)	
13.Cream Cheese Cake(Rs 160 /-)	
14.Cookie & Cream(Rs 200 /-)	
15.Chocolate Raspberry Mousse Cake(Rs 220 /-)	

## 5.5 Contact us page

HOME MENU HOME DELIVERY CONTACT US ADMIN PANEL USER LOGIN	
<p>TEAM NO 8 NEHA, DEEPALI &amp; LASYA 6th sem, CSE PES UNIVERSITY EC CAMPUS Bangalore</p>	
<p>Please Give Us Your Valuable Feedback</p> <p>Email <input type="text"/></p> <p>Feedb... <input type="text"/></p> <p><input type="button" value="Submit"/></p>	

## 5.6 Registration page

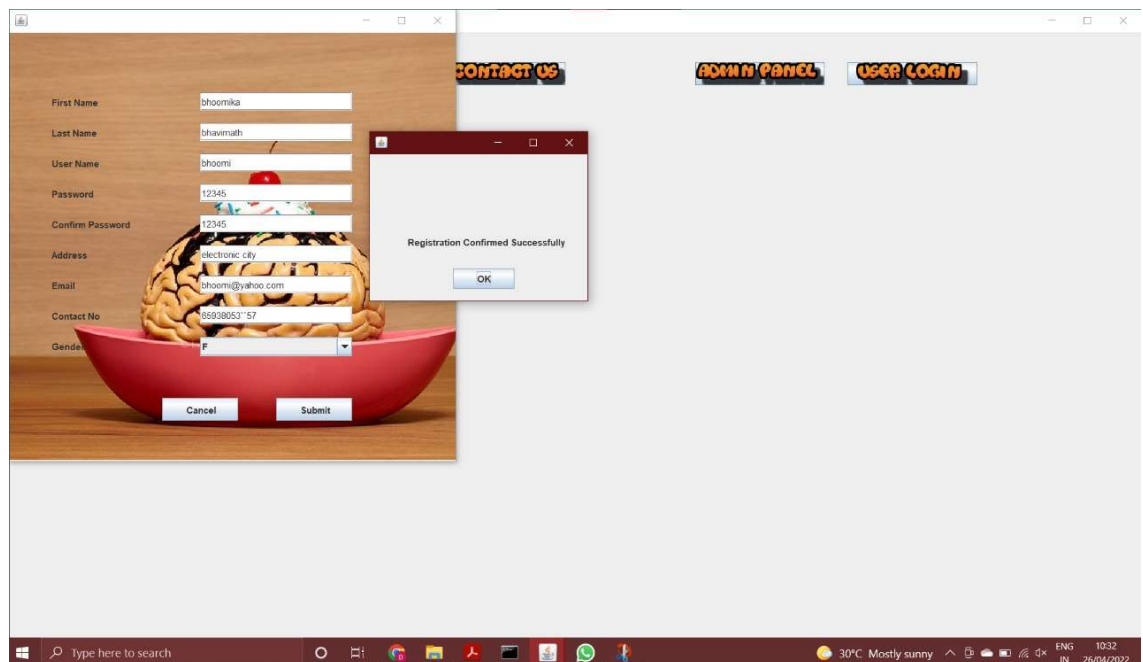


A screenshot of a web application's registration page. The page has a light brown wooden background. In the center, there is a large, realistic image of a human brain sitting inside a red, bowl-shaped container. The registration form is overlaid on the right side of the brain. The form fields are as follows:

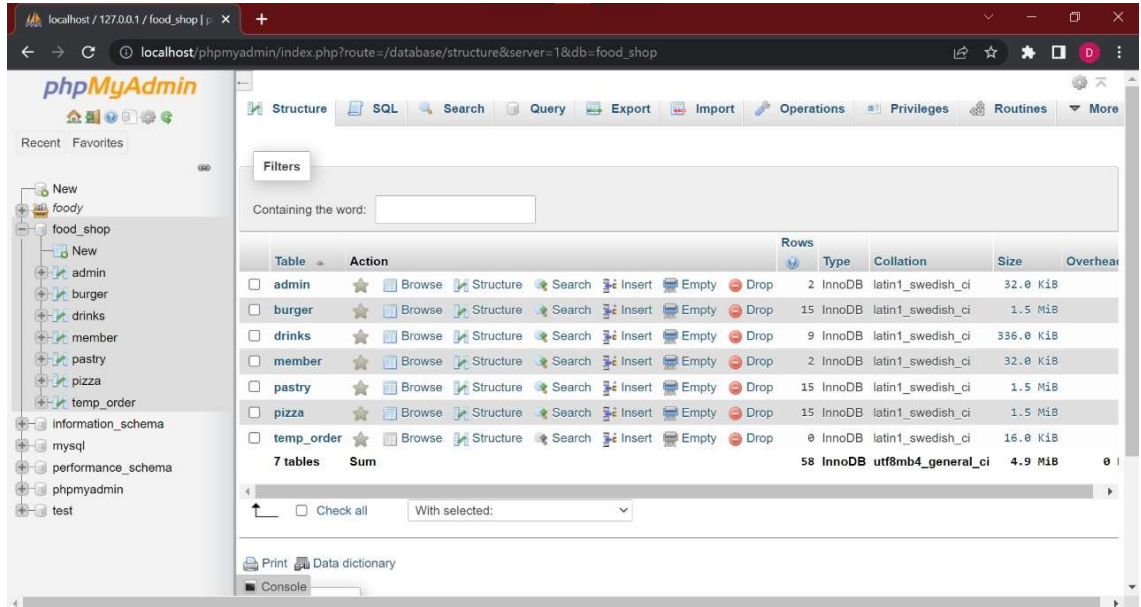
Field Label	Value
First Name	Bhoomika
Last Name	Bhavimath
User Name	boomi
Password	12345
Confirm Password	12345
Address	electronic city
Email	bhoomi@yahoo.com
Contact No	64182084087
Gender	F

At the bottom of the form, there are two buttons: "Cancel" and "Submit".

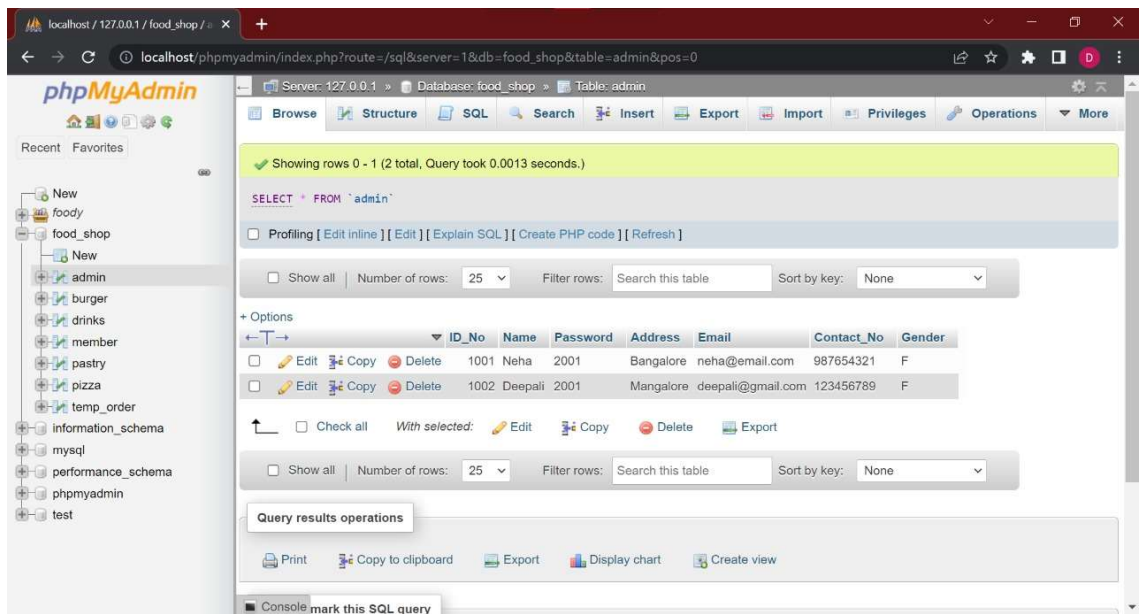
## 5.7 Registration successful page



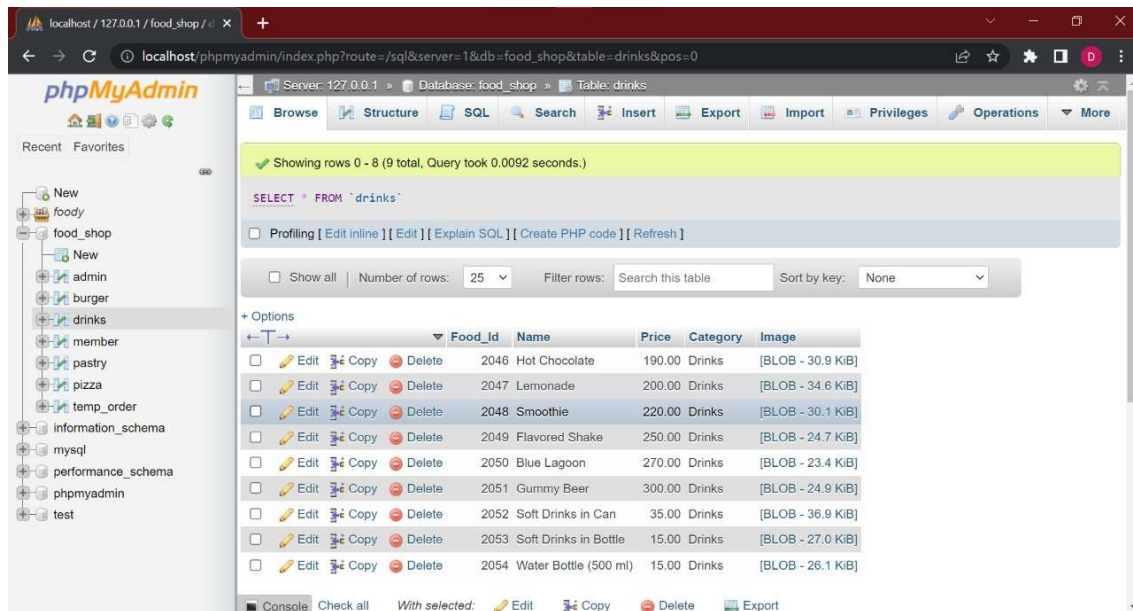
## 6. Database Screenshots



### 6.1 Admin table



## 6.2 Drinks Table



## 7. Team member contributions

PES2UG19CS084	BERU NEHA	Front end, report
PES2UG19CS106	DEEPALI	Back end, report
PES2UG19CS111	LASYA PRIYA	Front end, back end