

FOOD ORDERING APPLICATION

Version No.: 1.0

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Project Name: Food Ordering Application

Presented by

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Revision History

Version No.	Date	Prepared by / Modified by	Significant Changes
1.0	20/04/2023	1. Kavya Miryala 2. Dileep Kumar Kethe	Initial project proposal.

WHO CAN REFER

This document can be referred by the following persons as a part of ITMD510 Object Oriented Application Development

- ✓ James Papademas
- ✓ Yash Sharma
- ✓ Kavya Miryala
- ✓ Dileep Kumar Kethe

1.INTRODUCTION

Food Ordering Application is a standalone application that provides a platform for users to order food, track their order status, and update their profile information. The application also allows administrators to update the menu items, view and update customer details, and view and update order status. Customers can use the application to update their profile information, place orders, add or remove items from their cart, track their order, and cancel an order that has been placed.

In addition to users and administrators, the application can also be accessed by higher authorities who can view the performance of the application and provide feedback to the developers. Overall, the Food Ordering Application is a comprehensive platform that simplifies the food ordering process for customers while providing administrators with the tools they need to manage their business efficiently.

Cynosure of FOOD ORDERING SYSTEM

- The system provides a secure and efficient login and logout functionality for each user.
- The profile update feature is made easy as it retrieves the existing records from the database and populates them in the respective text fields.
- Maximum exceptional handling has been implemented, and all the exceptions are recorded in the database table to improve the overall application performance.
- The admin user can view and update customer details, ensuring smooth and effective management of customer records.
- The customers have the flexibility to add or delete menu items from their cart, making it easy for them to customize their orders.

1.2.EXPECTED OUTCOMES

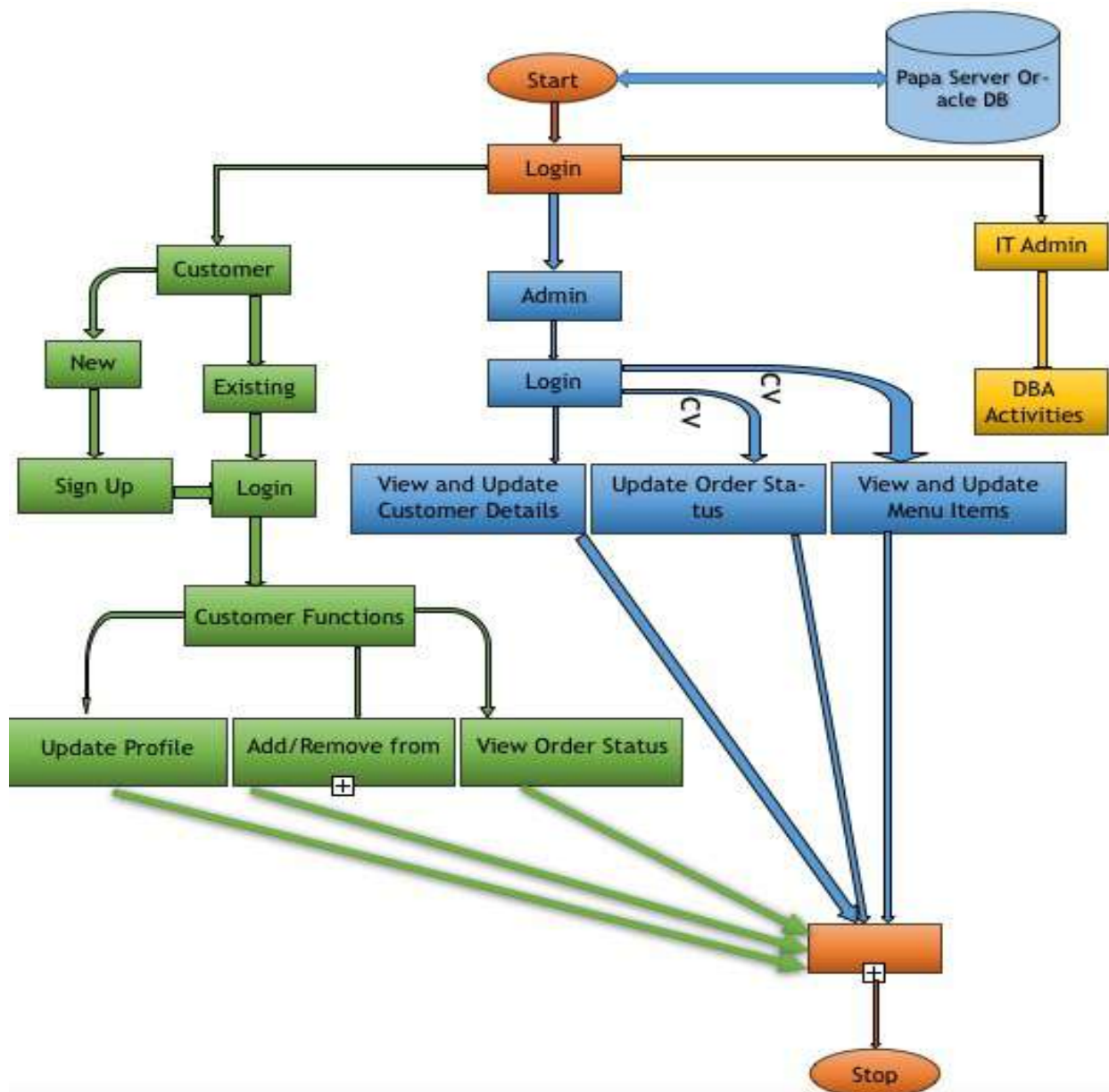
- Created a user-friendly and unified platform for food ordering that can be accessed by customers, admins, and higher authorities.
- Developed an easy-to-use application for customers that allows hassle-free food ordering and tracking of their order status.
- Provided a comprehensive dashboard for admins that enables them to view and manage customer details, menu items, and order status.
- Implemented robust exception handling mechanisms and recorded all exceptions in the database table to improve the application's stability and performance.
- Admins can easily view, add, and update customer details, as well as menu items, ensuring that the platform stays up-to-date with current offerings.
- Admins can also view and update the order status to ensure timely delivery and customer satisfaction.

- Customers can create an account, update their profile, add or remove menu items from their cart, and track their order status, ensuring a personalized and convenient experience.

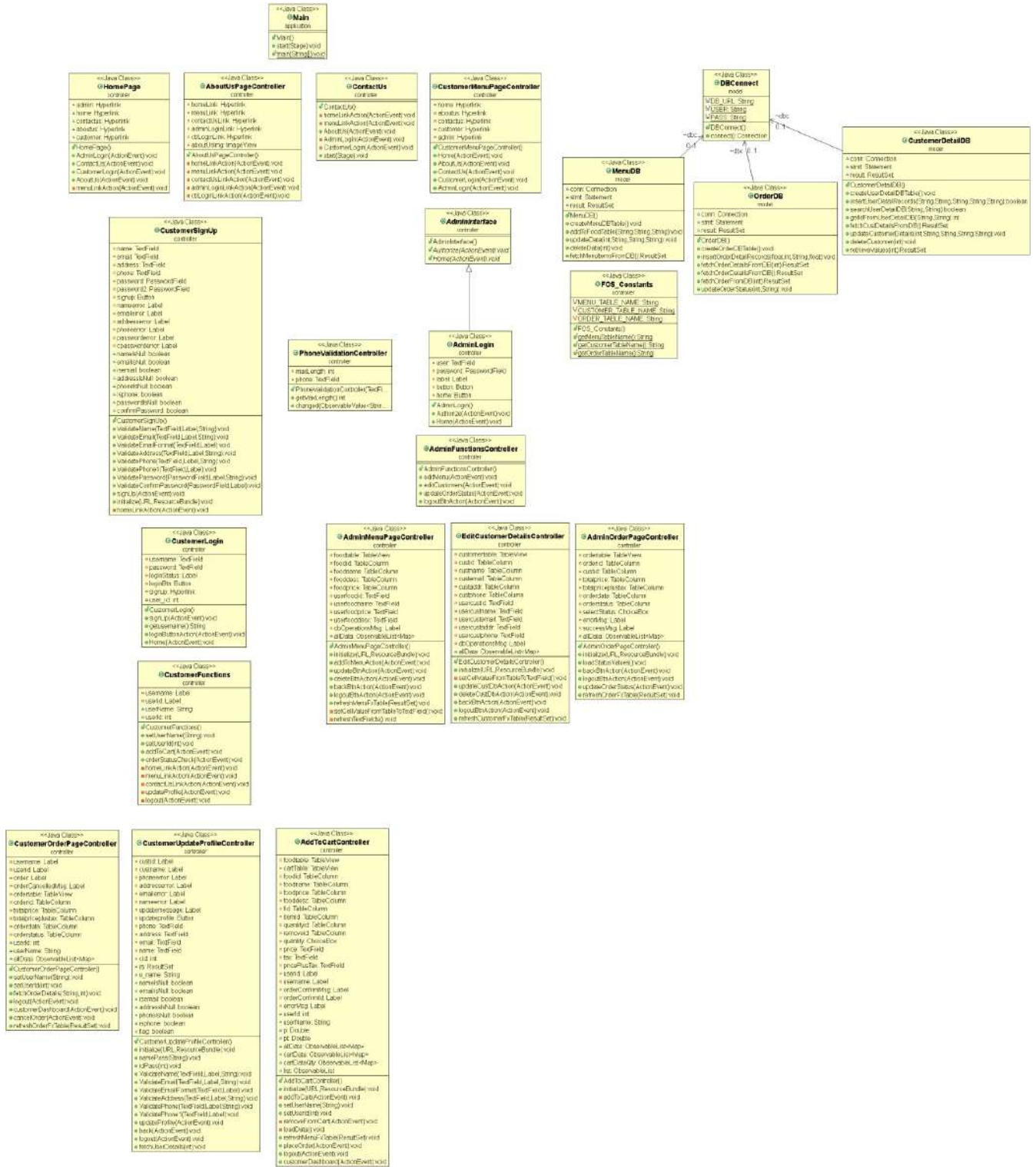
2. TECHNICAL DETAILS

2.1. APPLICATION ARCHITECTURE

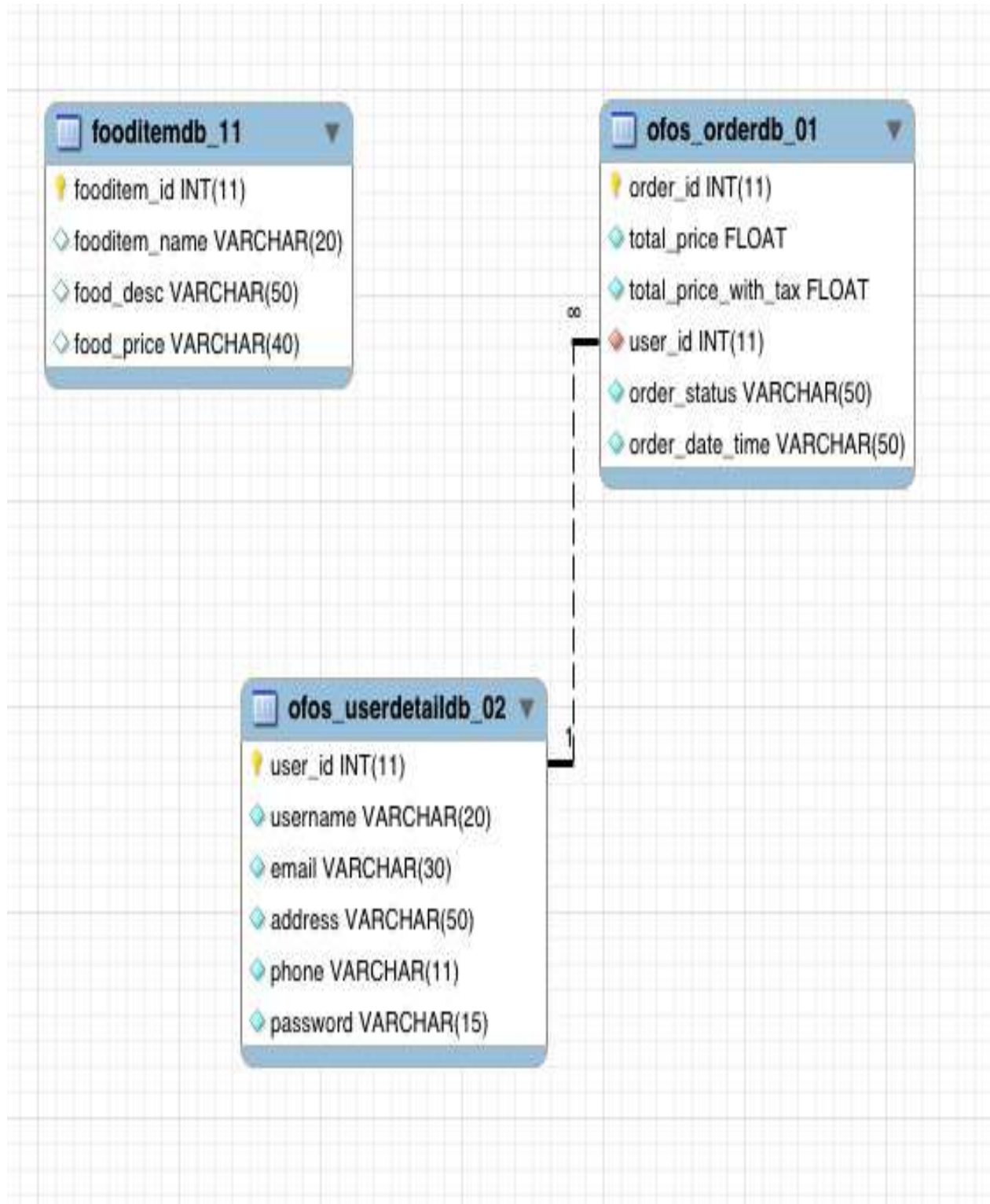
Below is the overview of the application and the navigation inside the application depending upon the category.



2.2.UML



2.3.ENTITY RELATIONAL DIAGRAM(ERD)



2.4. TECHNOLOGY USED

2.4.1. Front End

JavaFX: Software platform for creating and delivering desktop applications.

2.4.2. Back End

MySQL Developer: Integrated development environment for working with SQL in MySQL databases.

2.4.3. Technical Requirements

Below is the technology that was required to build this project

1. Java
2. JavaFX
3. MySQL Database

2.4.4. Domain Knowledge Requirements

Food Ordering System

2.4.5. Tools Used

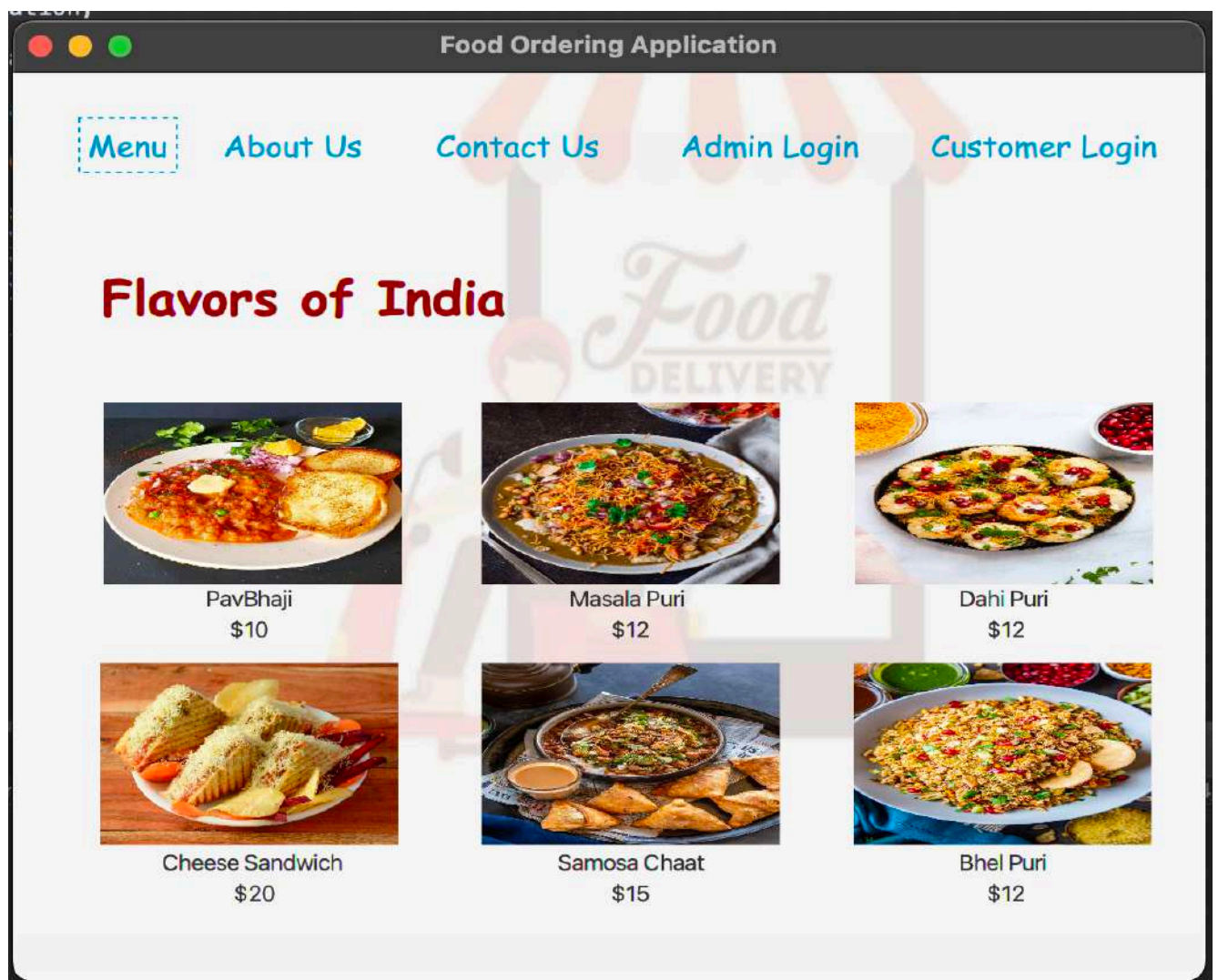
1. Java Eclipse
2. Oracle SQL Developer

3.HOME PAGE

3.1.Home page

Home Page is common for admin and customer. The page has hyperlinks to navigate to Menu page, About Us, Contact Us, Admin Login and Customer Login screens.

3.2.Screenshot



4.LOGIN

4.1. Login Screen

4.1.1. Admin Login

When an admin clicks on the "Admin Login" hyperlink on the home page, they will be directed to a login screen. The login screen will prompt the admin to enter their username and password. If the admin leaves either of these fields blank, or if the username and password values do not match the admin credentials defined in the Java code, an error message will be displayed at the bottom of the screen indicating that the credentials are invalid.

Once the admin has entered valid login credentials, they will be redirected to the admin dashboard. From the dashboard, the admin will be able to perform various operations such as viewing and updating customer details, managing menu items, and updating order status. The dashboard will provide a user-friendly interface for the admin to perform these operations easily and efficiently.

S. No	Email-ID	Password	Description
1	admin	Admin123	Successful Login
2	admin	Admin1234 [only space]	Credentials are invalid

4.1.2. Customer Login

Login screen for customer will be displayed when the Customer login hyperlink is clicked on the home page.

When a customer user logs in he/she must enter their User Name in the User Name text box, and Password in the Password field.

If the username or password value is not entered and left as blank or if the values don't match with credentials stored in the database, error message will be displayed on the bottom of the screen stating that the credentials are invalid.


If the customer successfully logs in, they will be directed to their personal dashboard, where they can manage their account, view their order history, and place new orders.


S. No	Email-ID	Password	Description
1	Bob	bob123	Successful Login
2	Bobby	bob123	Credentials are invalid

4.1.2.1. Customer login entry page

Food Ordering Application

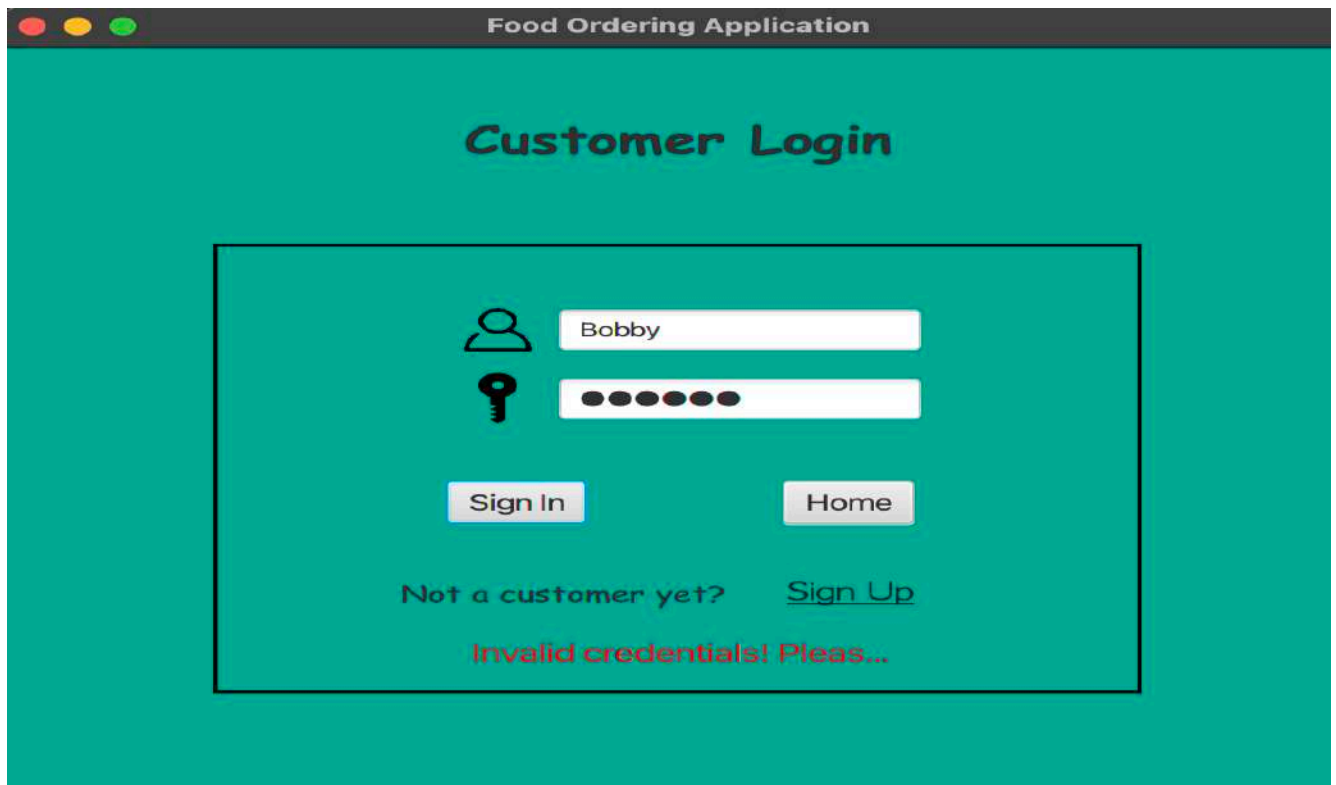
Customer Login





Not a customer yet? [Sign Up](#)

4.1.2.2. Invalid credentials scenario

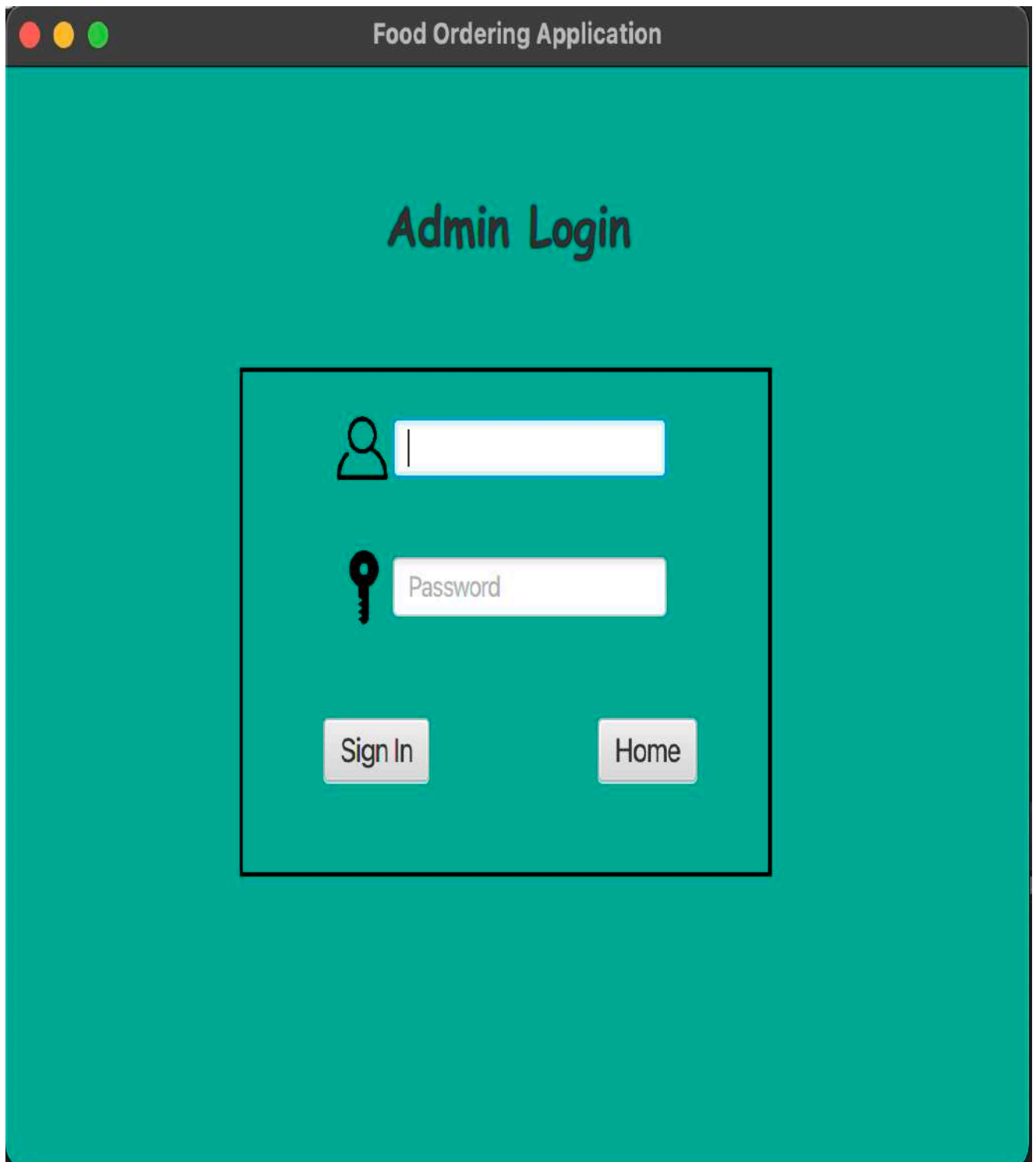


4.1.2.3. Successful login will navigate the administrator to the customer dashboard.



4.1.3. Screenshot


4.1.3.1. Admin Login page entry




The image shows a web application window titled "Food Ordering Application". The main content area has a teal background. In the center, there is a white rectangular box containing the login form. The form has the title "Admin Login" in a large, dark font. Below the title, there are two input fields: a username field with a person icon and a password field with a key icon. The password field has the placeholder text "Password". Below the input fields, there are two buttons: "Sign In" and "Home".

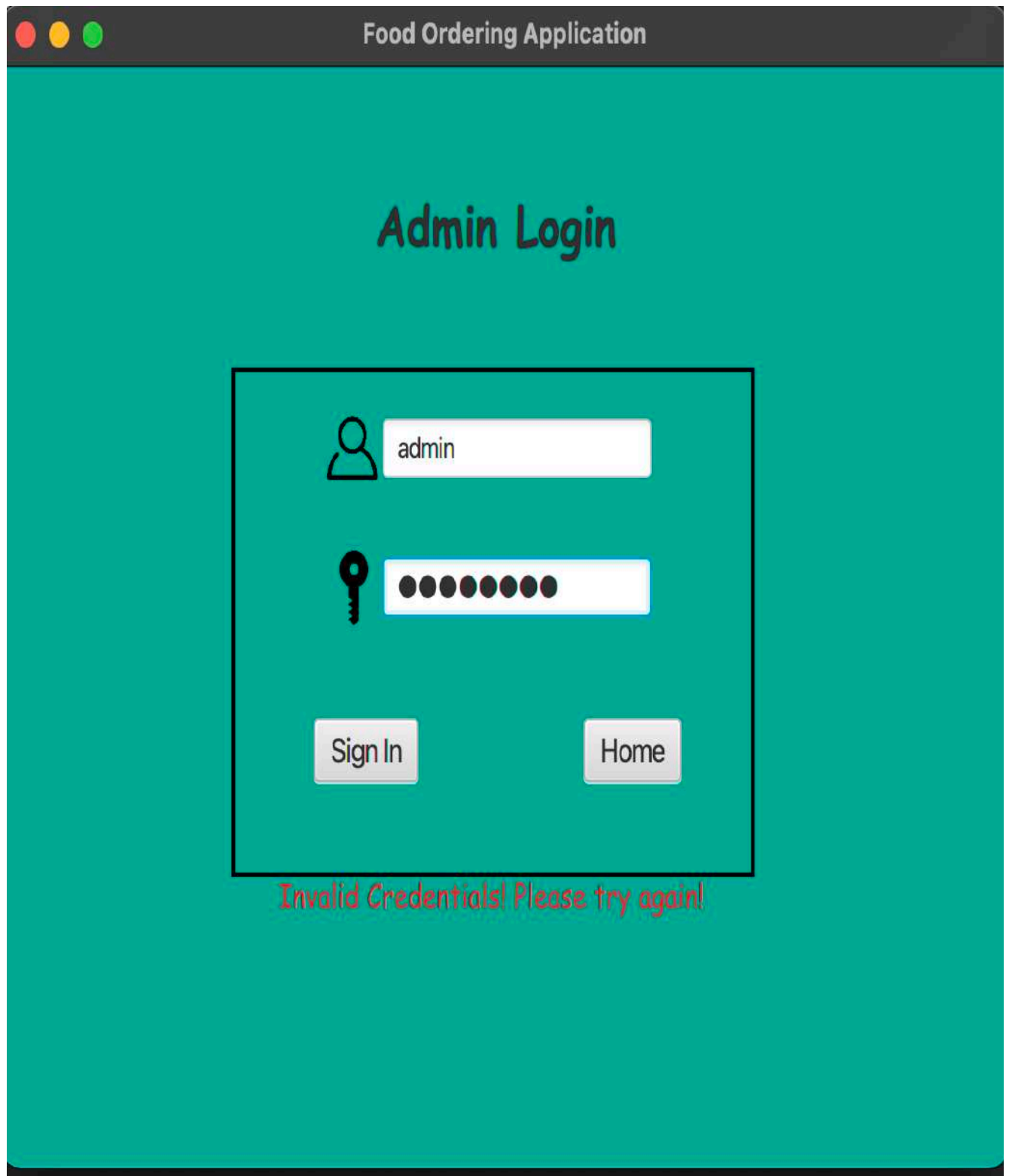
Food Ordering Application

Admin Login





4.1.3.2. Invalid credentials scenario



4.1.3.3. Successful login will navigate the administrator to the admin dashboard



5.CUSTOMER SIGN UP

5.1. Sign up screen

A new user can click on the Sign Up hyperlink on the login screen to navigate to the sign-up screen and register for the Food Ordering Application.

The user needs to enter valid entries in all the required fields, such as Name, Email address, Address, Phone Number, Password, and Confirm Password.

If any of the fields are left blank, an error message will be displayed when the user clicks on the Sign Up button, stating that the fields are mandatory.

Validations have been added for email, phone number, and confirm password fields to ensure that only valid entries are recorded in the database.

Email address validation is performed to ensure that it ends with only the following domain names:

- ➔ @gmail.com
- ➔ @yahoo.com
- ➔ @hawk.iit.edu

If any other format is used, an error message will be displayed, prompting the user to enter a valid email address.

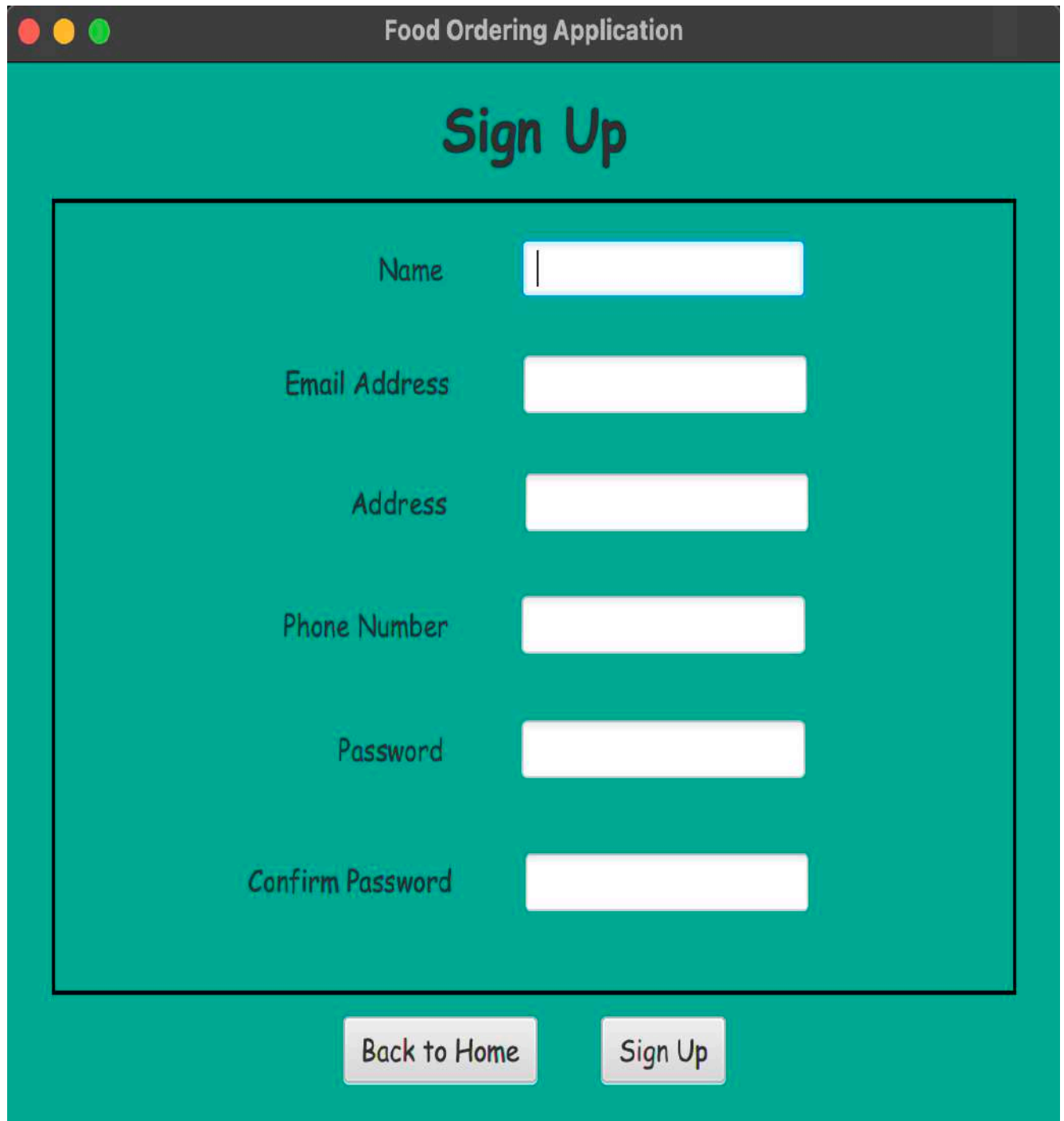
Phone number validation is performed to ensure that the user enters only 10 characters in the text box, and that the entry has only numeric digits (0-9) and no other characters.

If the user enters different values in the password and confirm password fields, a message will be displayed, prompting the user that the passwords don't match.

After filling all the required fields with valid information and clicking on the Sign Up button, the user will be navigated back to the login screen to enter the credentials to log in to the application.

5.2. Screenshot

5.2.1. Sign Up page entry



The screenshot shows a web application window titled "Food Ordering Application". The main heading is "Sign Up". Below the heading is a form with six input fields, each with a label to its left: "Name", "Email Address", "Address", "Phone Number", "Password", and "Confirm Password". At the bottom of the form are two buttons: "Back to Home" and "Sign Up".

Field Label	Input Type
Name	Text
Email Address	Text
Address	Text
Phone Number	Text
Password	Text
Confirm Password	Text

Buttons: Back to Home, Sign Up

Empty fields prompt

Food Ordering Application

Sign Up

Name

Please enter a name

Email Address

Please enter an e-mail address

Address

Please enter a billing address

Phone Number

Please enter a contact number

Password

Please enter a password

Confirm Password

Back to Home

Sign Up

5.2.3.

Validation errors on Email Address, Phone Number and Confirm password fields:

The screenshot shows a web application window titled "Food Ordering Application" with a teal background. The main heading is "Sign Up". Below it, there is a form with the following fields and validation errors:

- Name:** Input field contains "Sam".
- Email Address:** Input field contains "Sam@". Below the field, a red error message reads: "Please enter a valid e-mail address".
- Address:** Input field contains "500 E".
- Phone Number:** Input field contains "312ie". Below the field, a red error message reads: "Please enter a valid phone number".
- Password:** Input field contains five black dots.
- Confirm Password:** Input field contains three black dots. Below the field, a red error message reads: "Please re-enter your password".

At the bottom of the form, there are two buttons: "Back to Home" and "Sign Up".

5.2.3. All fields entered correctly as below, will direct the customer to login screen on clicking the Sign Up button.

The image shows a web application window titled "Food Ordering Application". Inside, there is a "Sign Up" section with a teal background. A white-bordered box contains the following form fields:

- Name:** Sam
- Email Address:** Sam@gmail.com
- Address:** Chicago
- Phone Number:** 3127928001
- Password:** (represented by 5 black dots)
- Confirm Password:** (represented by 5 black dots and a vertical cursor line)

Below the form box, there are two buttons: "Back to Home" and "Sign Up".

6.Database Records

- Result of all 10 records added to your database from the database itself. Demonstrating sufficient functionality for the regular user.

The screenshot shows the phpMyAdmin interface for a database named 'userdetaildb_02'. The table 'userdetaildb_02' is selected, and 11 records are displayed. The records are as follows:

user_id	username	email	address	phone	password
1	Kavya	kavya@gmail.com	Chicago	3127926002	Kavya0207
2	Dileep	dileep@gmail.com	Im	3125676002	dileep@123
3	Sam	sam@gmail.com	pr	3125676002	sam@123
4	Bob	bob@gmail.com	lakemea	3156789020	bob123
5	Rama	ramakrishna@gmail.com	Praire	3129564511	rk123
6	Rama	ramakrishna@gmail.com	Praire	3129564511	rk123
7	Riya	riya@gmail.com	Neperville	3129564531	Riya2345
8	Paul	paul@gmail.com	Shareville	3129563456	Paul556
9	Jami	Jami129@gmail.com	Hazelcrest	3129563564	Jami2349
10	Rider	rider.p@gmail.com	Chicago	3127893455	Jami2349
11	Sahiti	sahiti@gmail.com	Detroit	3125642344	Sahiti23566

- Showing some update performed by the admin for the first record entered the db.

The screenshot shows the 'Food Ordering Application' interface. The 'Food and Beverage Management' table is displayed with the following data:

MENU ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	6.00	Heavenly!!
2	Rasgulla	12.00	Juicy
3	Jalebi	8.00	Crispy
4	Ladoo	9.00	Round
5	Barfi	11.00	Creamy
6	Rasmalai	13.00	Soft
7	Rajbhog	14.00	Spongy
8	Gajar ka Halwa	15.00	Carrot
9	Samosa	5.00	Spicy
10	Pani Puri	13.00	Crunchy
11	Aloo Tikki	14.00	Potato

Below the table, there is a form for editing the first record (MENU ID 1):

1	GulabJamun	6.00	Heavenly!!
---	------------	------	------------

At the bottom, there are buttons for 'Add', 'Update', 'Delete', 'Back', and 'Logout'.

Food Ordering Application

Food and Beverage Management

MENU ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	6.00	Heavenly!!
2	Rasgulla	12.00	Juicy
3	Jalebi	8.00	Crispy
4	Ladoo	9.00	Round
5	Barfi	11.00	Creamy
6	Rasmalai	13.00	Soft
7	Rajbhog	14.00	Spongy
8	Gajar ka Halwa	15.00	Carrot
9	Samosa	5.00	Spicy
10	Pani Puri	13.00	Crunchy
11	Aloo Tikki	14.00	Potato

1

GulabJamun

9.00

Heavenly!!

Add

Update

Delete

Back

Logout

Food Ordering Application

Food and Beverage Management

MENU ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	9.00	Heavenly!!
2	Rasgulla	12.00	Juicy
3	Jalebi	8.00	Crispy
4	Ladoo	9.00	Round
5	Barfi	11.00	Creamy
6	Rasmalai	13.00	Soft
7	Rajbhog	14.00	Spongy
8	Gajar ka Halwa	15.00	Carrot
9	Samosa	5.00	Spicy
10	Pani Puri	13.00	Crunchy
11	Aloo Tikki	14.00	Potato

ID

Menu Item

Price

Description

Add

Update

Delete

Back

Logout

- Showing the deletion of the last record by the admin entered in the db.

Food Ordering Application

Food and Beverage Management

MENU ID	MENU ITEM	PRICE	DESCRIPTION
40	Ladoo	30.00	Sweet
41	Kaju Katli	120.00	Sweet
42	Gajar Ka Halwa	100.00	Sweet
43	Rasmalai	60.00	Sweet
44	Gulab Jamun with I...	80.00	Sweet
45	Rabri	70.00	Sweet
46	Pista Kulfi	50.00	Sweet
47	Mango Kulfi	60.00	Sweet
48	Chocolate Barfi	90.00	Sweet
49	Kaju Roll	120.00	Sweet
50	Malpua	40.00	Sweet

50 Malpua 40.00 Sweet

Add Update Delete Back Logout

Food Ordering Application

Food and Beverage Management

MENU ID	MENU ITEM	PRICE	DESCRIPTION
39	Barfi	80.00	Sweet
40	Ladoo	30.00	Sweet
41	Kaju Katli	120.00	Sweet
42	Gajar Ka Halwa	100.00	Sweet
43	Rasmalai	60.00	Sweet
44	Gulab Jamun with I...	80.00	Sweet
45	Rabri	70.00	Sweet
46	Pista Kulfi	50.00	Sweet
47	Mango Kulfi	60.00	Sweet
48	Chocolate Barfi	90.00	Sweet
49	Kaju Roll	120.00	Sweet

ID Menu Item Price Description

Deleted Successfully!

Add Update Delete Back Logout

- Showing a snapshot of your remaining records in some columnar view.

phpMyAdmin

Server: localhost:3307 - Database: 510lp - Table: fooditemdb_11

Browse Structure SQL Search Insert Export Import Operations Triggers

		id	name	description	price	category
<input type="checkbox"/>	Edit Copy Delete	1	Gulab Jamun	Heavenly!!	9.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	2	Rasgulla	Juicy	12.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	3	Jalebi	Crispy	8.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	4	Ladoo	Round	9.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	5	Barfi	Creamy	11.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	6	Rasmalai	Soft	13.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	7	Rajbhog	Spongy	14.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	8	Gajar ka Halwa	Carrot	15.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	9	Samosa	Spicy	5.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	10	Pani Puri	Crunchy	13.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	11	Aloo Tikki	Potato	14.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	12	Bhel Puri	Mixture	6.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	13	Dahi Bhaata	Curd	7.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	14	Sev Puri	Thin	5.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	15	Chana Chaat	Chickpeas	8.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	16	Kachori	Stuffed	4.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	17	Papdi Chaat	Flat	5.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	18	Vada Pav	Mumbai	4.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	19	Dabeli	Gujarati	5.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	20	Chole Bhature	Punjabi	10.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	21	Dahi Puri	Small	8.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	22	Samosa Chaat	Spicy	7.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	23	Bread Pakoda	Breaded	3.00	Chaat

Console

phpMyAdmin

Server: localhost:3307 - Database: 510lp - Table: fooditemdb_11

Browse Structure SQL Search Insert Export Import Operations Triggers

		id	name	description	price	category
<input type="checkbox"/>	Edit Copy Delete	24	Pav Bhaji	Buttered	8.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	26	Samosa Chaat	Tangy	60.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	27	Dahi Bhaata	Tangy	80.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	28	Aloo Tikki Chaat	Tangy	70.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	29	Bhel Puri	Tangy	50.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	30	Pani Puri	Tangy	40.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	31	Sev Puri	Tangy	80.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	32	Dahi Puri	Tangy	70.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	33	Kachori Chaat	Tangy	90.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	34	Dabeli	Spicy	80.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	35	Aloo Chaat	Tangy	60.00	Chaat
<input type="checkbox"/>	Edit Copy Delete	36	Gulab Jamun	Sweet	40.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	37	Rasgulla	Sweet	50.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	38	Jalebi	Sweet	60.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	39	Barfi	Sweet	80.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	40	Ladoo	Sweet	30.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	41	Kaju Katli	Sweet	120.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	42	Gajar Ka Halwa	Sweet	100.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	43	Rasmalai	Sweet	60.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	44	Gulab Jamun with Ice cream	Sweet	80.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	45	Rabri	Sweet	70.00	Sweets
<input type="checkbox"/>	Edit Copy Delete	46	Pista Kulf	Sweet	50.00	Sweets

Console

phpMyAdmin

Server: localhost:3307 - Database: 510fp - Table: fooditemdb_11

Browse Structure SQL Search Insert Export Import Operations Triggers

Recent Favorites

borrowings
car_rental_cardetails
car_rental_customers
car_rental_users
checkingaccounts
class_base
class_register
client
clients
customer
customers
customer_t
doctors
dummy
ems_employees
ems_users
fara_amreen_login
fara_amreen_matches
fara_amreen_team
fara_amreen_users
fooditemdb_11
hms_login

				id	name	description	price	category
<input type="checkbox"/>	Edit	Copy	Delete	36	Gulab Jamun	Sweet	40.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	37	Rasgulla	Sweet	50.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	38	Jalebi	Sweet	60.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	39	Barfi	Sweet	80.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	40	Ladoo	Sweet	30.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	41	Kaju Katli	Sweet	120.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	42	Gajar Ka Halwa	Sweet	100.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	43	Rasmalai	Sweet	60.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	44	Gulab Jamun with ice cream	Sweet	80.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	45	Rabri	Sweet	70.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	46	Pista Kuli	Sweet	50.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	47	Mango Kuli	Sweet	60.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	48	Chocolate Barfi	Sweet	90.00	Sweets
<input type="checkbox"/>	Edit	Copy	Delete	49	Kaju Roll	Sweet	120.00	Sweets

Check all With selected: Edit Copy Delete Export

- Showing a snapshot of your ending user table (i.e., the user login credentials) from the database itself.

phpMyAdmin

Server: localhost:3307 - Database: 510fp - Table: userdetaildb_02

Browse Structure SQL Search Insert Export Import Operations Triggers

Recent Favorites

project_search
project_seats
project_users
restaurants
savingsaccounts
season
season_class
seats
serviceapp_client_table
serviceapp_service_table
smart_transit_admins
smart_transit_book
smart_transit_bookings
smart_transit_search
smart_transit_seats
smart_transit_users
sqlite_sequence
s_dam_tab
table_1_users
transactions
unpaidorder
user
user510
userdetaildb_02
users
users1
users2
user_activities_list

SELECT * FROM 'userdetaildb_02'

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Options

				user_id	username	email	address	phone	password
<input type="checkbox"/>	Edit	Copy	Delete	1	Kavya	kavya@gmail.com	Chicago	3127926002	Kavya0207
<input type="checkbox"/>	Edit	Copy	Delete	2	Dileep	dileep@gmail.com	lm	3125678002	dileep@123
<input type="checkbox"/>	Edit	Copy	Delete	3	Sam	sam@gmail.com	pr	3125676002	sam@123
<input type="checkbox"/>	Edit	Copy	Delete	4	Bob	bob@gmail.com	lakemea	3156789020	bob123
<input type="checkbox"/>	Edit	Copy	Delete	5	Rama	ramakrishna@gmail.com	Praire	3129564511	rk123
<input type="checkbox"/>	Edit	Copy	Delete	6	Rama	ramakrishna@gmail.com	Praire	3129564511	rk123
<input type="checkbox"/>	Edit	Copy	Delete	7	Riya	riya@gmail.com	Neperville	3129564531	Riya2345
<input type="checkbox"/>	Edit	Copy	Delete	8	Paul	paul@gmail.com	Shareville	3129563456	Paul556
<input type="checkbox"/>	Edit	Copy	Delete	9	Jami	Jami129@gmail.com	Hazelcrest	3129563584	Jami2349
<input type="checkbox"/>	Edit	Copy	Delete	10	Rider	rider.p@gmail.com	Chicago	3127893455	Jami2349
<input type="checkbox"/>	Edit	Copy	Delete	11	Sahiti	sahiti@gmail.com	Detroit	3125642344	Sahiti23566

Check all With selected: Edit Copy Delete Export

Query results operations

Print Copy to clipboard Export Display chart Create view

7.MENU PAGE










7.1. Menu Page:

This page displays all the menu items with images to the users. There are the links to navigate to the Home , About Us , Contact Us , Admin Login , Customer Login. The users can view the available food items and their price.

Food Ordering Application

[Home](#) [About Us](#) [Contact Us](#) [Admin Login](#) [Customer Login](#)

Menu

 <p>Pav Bhaji \$10</p>	 <p>Masala Puri \$12</p>	 <p>Dahi Puri \$12</p>
 <p>Cheese Sandwich \$20</p>	 <p>Samosa Chaat \$15</p>	 <p>Bhel Puri \$12</p>
 <p>Masala Pav \$20</p>	 <p>Cabbage Vada \$15</p>	 <p>Sabudana Vada \$12</p>

8.ADMIN DASHBOARD

8.1.Admin dashboard

The Admin dashboard displays options and description on the operations possible for the admin

8.2.Screenshot



9.MENU DETAIL OPERATIONS

9.1. Functionalities:

The Admin can view, add, delete and update the menu items which are automatically populated into the table from database.

Add: The admin can enter the Menu item name, price and description in the text boxes at the bottom of the screen. On clicking the add button, the details get inserted in database. The updated database reflects in the table view.

Update: The admin clicks on a row on the table. The row records will render in the text fields. The admin can edit the text fields and click on update button to commit those changes to database and the table view.

Delete: The admin clicks on a row on the table. The row records will render in the text fields. The admin can click on delete button to delete the record from database and the table view.

Back: Back button will redirect admin to go back to the dashboard.

Logout: Logout button will log the admin out of the application and navigate back to login screen.

9.2.Screenshot



The screenshot displays a web application titled "Food Ordering Application" with a subtitle "Food and Beverage Management". It features a table with 11 menu items, each with a unique ID, name, price, and description. Below the table is a form with input fields for ID, Menu Item, Price, and Description, and buttons for Add, Update, Delete, Back, and Logout.

MENU ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	6.00	Heavenly!!
2	Kaju Katli	11.00	Tempting!!
3	Samosa Chat	15.00	Savory!!
4	Paav Bhaji	9.00	Extra Cheesy!!
5	Pani Puri	12.00	Very Spicy!!
6	Bhel Puri	7.58	Medium Spicy!!
7	Dahi Puri	13.50	Rich!
8	Samosa	5.60	South Special!!
9	Pani Puri	12.00	Very Spicy!!
10	Masala Puri	8.99	Extra Spicy!!
11	Rasgulla	12.00	Juicy

Form fields: ID, Menu Item, Price, Description. Buttons: Add, Update, Delete, Back, Logout.

10.CUSTOMER DETAIL OPERATIONS

10.1.Functionalities:

The Admin can view, add, delete and update the customer details which are automatically populated into the table view from database.

Update: The admin clicks on a row on the table. The row records will render in the text fields. The admin can edit the text fields and click on update button to commit those changes to database and the table view.

Delete: The admin clicks on a row on the table. The row records will render in the text fields. The admin can click on delete button to delete the record from database and the table view.

Back: Back button will redirect admin to go back to the dashboard.

Logout: Logout button will log the admin out of the application and navigate back to login screen.

10.2.Screenshot

➤ Updating the Address from the Admin Dashboard of the user:

The screenshot displays the 'Food Ordering Application' Admin Dashboard. The main section is titled 'Customer Detail Operations' and contains a table with 11 customer records. Each record includes an ID, Name, Email, Address, and Phone number. Below the table, there are input fields for editing a selected record, with labels 'ID', 'Customer Name', 'Email', 'Address', and 'Phone'. At the bottom right, there are four buttons: 'Update', 'Delete', 'Back', and 'Logout'.

ID	NAME	EMAIL	ADDRESS	PHONE
1	Kavya	kavya@gmail.com	Chicago	312792600
2	Dileep	dileep@gmail.com	Im	312567800
3	Sam	sam@gmail.com	pr	312567600
4	Bob	bob@gmail.com	lakemea	315678902
5	Rama	ramakrishna@gmail.c...	Praire	312956451
6	Rama	ramakrishna@gmail.c...	Praire	312956451
7	Riya	riya@gmail.com	Neparvilley	312956453
8	Paul	paul@gmail.com	Sharevilley	312956345
9	Jami	Jami129@gmail.com	Hazelcrest	312956356
10	Rider	rider.p@gmail.com	Chicago	312789345
11	Sahiti	sahiti@gmail.com	Detroit	312564234

Below the table, there are input fields for editing a selected record:

ID: Customer Name: Email: Address: Phone:

Buttons:

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
1	Kavya	kavya@gmail.com	Chicago	312792600
2	Dileep	dileep@gmail.com	Im	312567800
3	Sam	sam@gmail.com	pr	312567600
4	Bob	bob@gmail.com	lakemea	315678902
5	Rama	ramakrishna@gmail.c...	Praire	312956451
6	Rama	ramakrishna@gmail.c...	Praire	312956451
7	Riya	riya@gmail.com	Neparvilley	312956453
8	Paul	paul@gmail.com	Sharevilley	312956345
9	Jami	Jami129@gmail.com	Hazelcrest	312956356
10	Rider	rider.p@gmail.com	Chicago	312789345
11	Sahiti	sahiti@gmail.com	Detroit	312564234

< >

1 Kavya kavya@gmail.com Chicago 312792600

Update Delete Back Logout

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
1	Kavya	kavya@gmail.com	New York	312792600
2	Dileep	dileep@gmail.com	Im	312567800
3	Sam	sam@gmail.com	pr	312567600
4	Bob	bob@gmail.com	lakemea	315678902
5	Rama	ramakrishna@gmail.c...	Praire	312956451
6	Rama	ramakrishna@gmail.c...	Praire	312956451
7	Riya	riya@gmail.com	Neparvilley	312956453
8	Paul	paul@gmail.com	Sharevilley	312956345
9	Jami	Jami129@gmail.com	Hazelcrest	312956356
10	Rider	rider.p@gmail.com	Chicago	312789345
11	Sahiti	sahiti@gmail.com	Detroit	312564234

< >

1 Kavya kavya@gmail.com New York 312792600

Updated Successfully!

Update Delete Back Logout

- Deleting the last user from the Admin Dashboard:

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
1	Kavya	kavya@gmail.com	New York	312792600
2	Dileep	dileep@gmail.com	lm	312567800
3	Sam	sam@gmail.com	pr	312567600
4	Bob	bob@gmail.com	lakemea	315678902
5	Rama	ramakrishna@gmail.c...	Praire	312956451
6	Rama	ramakrishna@gmail.c...	Praire	312956451
7	Riya	riya@gmail.com	Neparvilley	312956453
8	Paul	paul@gmail.com	Sharevilley	312956345
9	Jami	Jami129@gmail.com	Hazelcrest	312956356
10	Rider	rider.p@gmail.com	Chicago	312789345
11	Sahiti	sahiti@gmail.com	Detroit	312564234

11

Sahiti

sahiti@gmail.com

Detroit

312564234

Update

Delete

Back

Logout

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
1	Kavya	kavya@gmail.com	New York	3127926002
2	Dileep	dileep@gmail.com	lm	3125678002
3	Sam	sam@gmail.com	pr	3125676002
4	Bob	bob@gmail.com	lakemea	3156789020
5	Rama	ramakrishna@gmail.c...	Praire	3129564511
6	Rama	ramakrishna@gmail.c...	Praire	3129564511
7	Riya	riya@gmail.com	Neparvilley	3129564531
8	Paul	paul@gmail.com	Sharevilley	3129563456
9	Jami	Jami129@gmail.com	Hazelcrest	3129563564
10	Rider	rider.p@gmail.com	Chicago	3127893455

11

Sahiti

sahiti@gmail.com

Detroit

312564234

Update

Delete

Back

Logout

Deleted Successfully!

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
1	Kavya	kavya@gmail.com	New York	3127926002
2	Dileep	dileep@gmail.com	Im	3125678002
3	Sam	sam@gmail.com	pr	3125676002
4	Bob	bob@gmail.com	lakemea	3156789020
5	Rama	ramakrishna@gmail.c...	Praire	3129564511
6	Rama	ramakrishna@gmail.c...	Praire	3129564511
7	Riya	riya@gmail.com	Neparvilley	3129564531
8	Paul	paul@gmail.com	Sharevilley	3129563456
9	Jami	Jami129@gmail.com	Hazelcrest	3129563564
10	Rider	rider.p@gmail.com	Chicago	3127893455

ID

Customer Name

Email

Address

Phone

Update

Delete

Back

Logout

11.ORDER DETAIL OPERATIONS

11.1.Functionalities:

The Admin can view and update the orders by changing the status. The orders are automatically populated into the table from database.

Update: The admin clicks on a row on the table, then selects a new status option and clicks on update to change the status of the order. This change is committed to database and the table view. The customer will be able to track this status.

Back: Back button will redirect admin to go back to the dashboard.

Logout: Logout button will log the admin out of the application and navigate back to login screen.

11.2.Screenshot

Food Ordering Application

Order Detail Operations

ORDER#	CUSTOMER ID	TOTAL PRICE	TOTAL PRICE + TAX	DATE	STATUS
9	3	13.5	14.85	2023/05/01 11:03:50	Delivered
10	3	16.0	17.6	2023/05/01 11:06:53	Processing Order
11	3	14.68	16.14	2023/05/01 11:45:06	Delivered
12	36	35.0	38.5	2023/05/01 11:06:57	Delivered
13	8	22.84	25.12	2023/05/01 11:07:50	Delivered
14	7	23.67	26.03	2023/05/01 11:08:30	Out for Delivery
17	3	17.07	18.77	2023/05/01 11:06:57	Processing Order
18	3	8.5	9.35	2023/05/01 11:07:50	Cancelled
19	3	43.45	47.79	2023/05/01 11:08:30	Order Placed

Status :

Update Order Status

Back

Logout

12. CUSTOMER DASHBOARD

12.1. Dashboard

The customer dashboard allows the user to select between the various operation possible for the customer- Order food, Update Profile, Check Order status and Logout.

12.2. Screenshot



13.ORDER FOOD (ADD TO CART)

13.1.The customer can choose menu items from the menu table, select the quantity and add them to cart one at a time.

13.2.Screenshots

13.2.1. Add to Cart page entry

Food Ordering Application

Dashboard

Logout

Logged in as,
Kavya

Add To Cart

ITEM ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	6.00	Heavenly!!
2	Kaju Katli	11.00	Tempting!!
3	Samosa Chat	15.00	Savory!!
4	Paav Bhaji	9.00	Extra Cheesy!!
5	Pani Puri	12.00	Very Spicy!!
6	Bhel Puri	7.58	Medium Spicy!!
7	Dahi Puri	13.50	Rich!
8	Samosa	5.60	South Special!!
9	Pani Puri	12.00	Very Spicy!!
10	Masala Puri	8.99	Extra Spicy!!
11	Rasgulla	12.00	Juicy

Select Quantity

Add To Cart

Remove From Cart

ID	MENU ITEM	QUANTITY
6	Bhel Puri	2
7	Dahi Puri	3
4	Paav Bhaji	3

Price

82.66

Tax(%)

10

Total Price

90.92

Place Order

13.2.2. Customer adds items to cart. Price, tax and total price with tax can be viewed in the text fields for Price, price with tax below the cart.

Food Ordering Application

Dashboard Logout

Logged in as, Kavya

Add To Cart

ITEM ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	6.00	Heavenly!!
2	Kaju Katli	11.00	Tempting!!
3	Samosa Chat	15.00	Savory!!
4	Paav Bhaji	9.00	Extra Cheesy!!
5	Pani Puri	12.00	Very Spicy!!
6	Bhel Puri	7.58	Medium Spicy!!
7	Dahi Puri	13.50	Rich!
8	Samosa	5.60	South Special!!
9	Pani Puri	12.00	Very Spicy!!
10	Masala Puri	8.99	Extra Spicy!!
11	Rasgulla	12.00	Juicy

Select Quantity

Add To Cart

Remove From Cart

ID	MENU ITEM	QUANTITY
6	Bhel Puri	2
7	Dahi Puri	3
4	Paav Bhaji	3

Price 82.66

Tax(%) 10

Total Price 90.92

Place Order

13.2.3. If the customer forgets to select the quantity while adding to cart, message will be prompted to the user.

eclipse-workspace - FinalProject/src/controller/CustomerOrderPageController.java - Eclipse IDE

Food Ordering Application

Dashboard Logout

Logged in as, Kavya

Add To Cart

ITEM ID	MENU ITEM	PRICE	DESCRIPTION
1	Gulab Jamun	6.00	Heavenly!!
2	Kaju Katli	11.00	Tempting!!
3	Samosa Chat	15.00	Savory!!
4	Paav Bhaji	9.00	Extra Cheesy!!
5	Pani Puri	12.00	Very Spicy!!
6	Bhel Puri	7.58	Medium Spicy!!
7	Dahi Puri	13.50	Rich!
8	Samosa	5.60	South Special!!
9	Pani Puri	12.00	Very Spicy!!
10	Masala Puri	8.99	Extra Spicy!!
11	Rasgulla	12.00	Juicy

Select Quantity

Add To Cart

Remove From Cart

Please select a quantity

ID	MENU ITEM	QUANTITY
No content in table		

Price

Tax(%) 10

Total Price

Place Order

13.2.4. Once the user adds the items to cart and clicks on place order button, a message is prompted on screen that the order has been placed, along with the order number.

Food Ordering Application

Dashboard

Logout

Logged in as,
Bob

Add To Cart

MENU ITEM ID	MENU ITEM	PRICE	DESCRIPTION
6	Paav bhaaji	9	Extra cheese!
9	Pani puri	12	Very spicy!
10	Masala Puri	8.99	Extra Spicy!
11	Bhel Puri	7.58	Medium Spicy!
13	Dahi puri	13.5	Mumbai special!
14	Khachhori	7.95	Delhi Special!
15	Samosa	5.6	South special!
19	Sev Poori	6.84	Tangy!
22	Dabeli	5.67	Kuch Special!
23	Toast Sandwich	9.2	Utterly Butterly Delicious!
30	Rava Idli	5	Ghee topped!
31	Bhel Puri	7.58	Medium Spicy!

Select Quantity

Add To Cart

Remove From Cart

ID	MENU ITEM	QUANTITY
9	Pani puri	1
10	Masala Puri	2
14	Khachhori	1

Price

37.93

Tax(%)

10

Total Price

41.72

Place Order

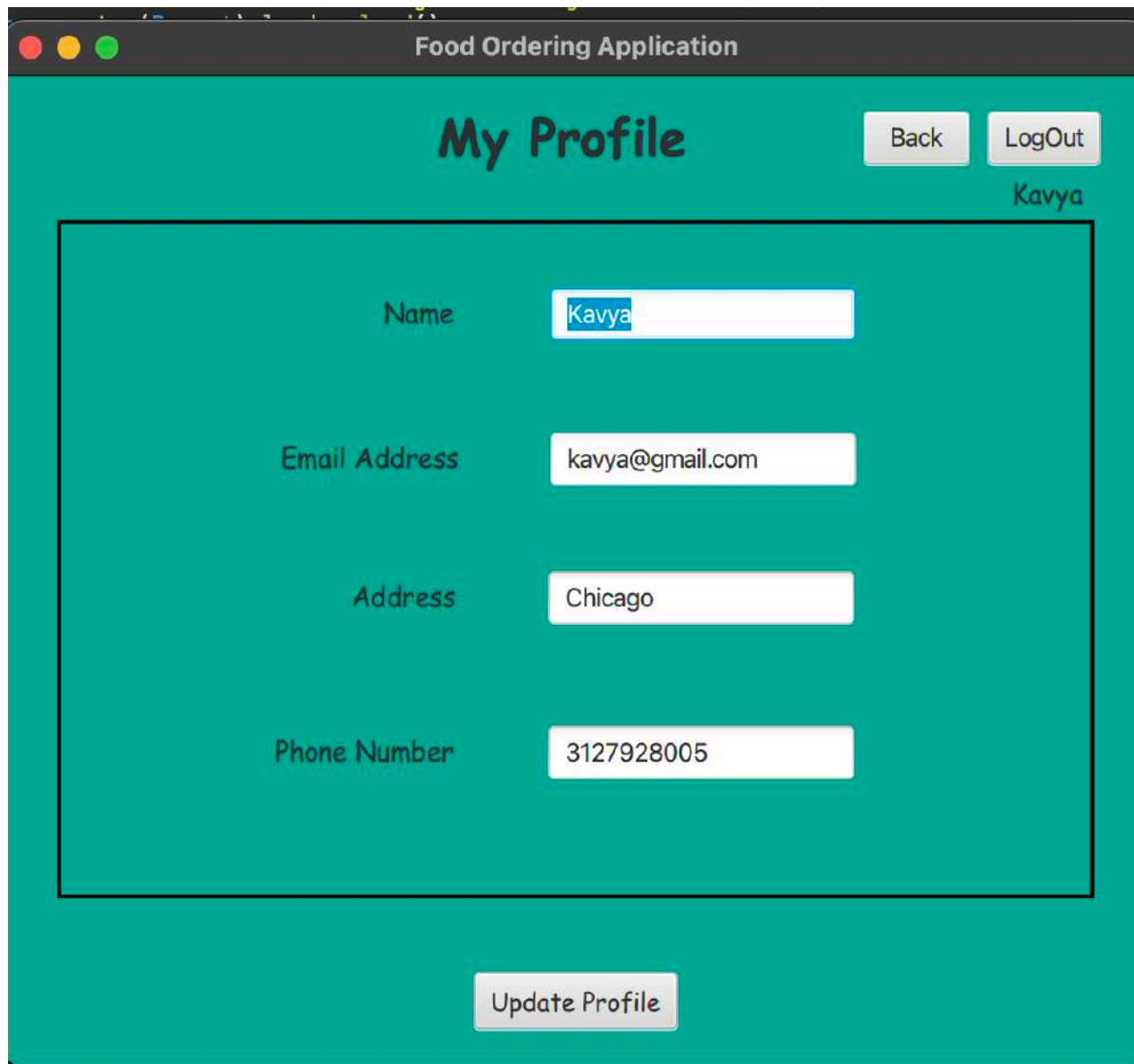
Order placed successfully!
Your order number is #20

14.UPDATE PROFILE

14.1.The customer can updates one’s profile by clicking on the Update Profile button on the dashboard. The update profile page will auto populate the customers details from database. The user can then just click on any text field and click on update button to update the profile.

14.2.Screenshots

14.2.1. Update profile entry



The screenshot shows a web application window titled "Food Ordering Application". The main heading is "My Profile". In the top right corner, there are two buttons: "Back" and "LogOut". Below these buttons, the name "Kavya" is displayed. The profile information is contained within a large teal-bordered box. Inside this box, there are four labels and corresponding input fields: "Name" with the value "Kavya", "Email Address" with the value "kavya@gmail.com", "Address" with the value "Chicago", and "Phone Number" with the value "3127928005". At the bottom center of the page, outside the teal box, is a button labeled "Update Profile".

Field	Value
Name	Kavya
Email Address	kavya@gmail.com
Address	Chicago
Phone Number	3127928005

14.2.2. Updated profile

Food Ordering Application

My Profile

Back LogOut

Kavya

Name Kavya

Email Address kavya@gmail.com

Address Chicago

Phone Number 3127928004

Your profile has been updated successfully!

Update Profile

15.ORDER HISTORY

15.1. The customer can track one's current and past orders by click on Check order status button on the dashboard.

15.2. Screenshots

15.2.1. Track order page entry will populate the table with the past and current order along with statuses and data-time when the order was placed.



The customer can choose to cancel the order as long as the order has not yet begun processing. The customer cannot cancel any order with status other than “Order Placed”. The customer has options to navigate back to dashboard or logout of the application.

16.DATABASE TABLES

1. fooditemdb_11

id	name	description	price	category
1	Gulab Jamun	Heavenly!!	6.00	Sweets
2	Kaju Kati	Tempting!!	11.00	Sweets
3	Samosa Chat	Savory!!	15.00	Chats
4	Paav Bhaji	Extra Cheesy!!	9.00	Chats
5	Pani Puri	Very Spicy!!	12.00	Chats
6	Bhel Puri	Medium Spicy!!	7.58	Chats
7	Dahi Puri	Rich!	13.50	Chats
8	Samosa	South Special!!	5.00	Chats
9	Pani Puri	Very Spicy!!	12.00	Chats
10	Masala Puri	Extra Spicy!!	8.99	Chats
11	Rasgulla	Juicy	12.00	Sweets
12	Jalebi	Crispy	8.00	Sweets
13	Ladoo	Round	9.00	Sweets
14	Barfi	Creamy	11.00	Sweets
15	Rasmalai	Soft	13.00	Sweets
16	Rajbhog	Spongy	14.00	Sweets
17	Gajar ka Halwa	Carrot	15.00	Sweets
19	Aloo Tikki	Potato	14.00	Chaat
21	Dahi Bhalla	Curd	7.00	Chaat
22	Sev Puri	Thin	15.00	Chaat
23	Chana Chaat	Chickpeas	8.00	Chaat
25	Papdi Chaat	Flat	15.00	Chaat

2. UserDetailDB_02

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

user_id

username

email

address

phone

password

☐

Edit

Copy

Delete

7

dileep

dileep@gmail.com

500E 33

3127928002

1234567

☐

Edit

Copy

Delete

8

Kavya

kavya@gmail.com

Chicago

3127928004

Kavya0207

☐

Edit

Copy

Delete

9

Bob

bob@gmail.com

lm

3124567892

bob123

↑

☐ Check all

With selected:

Edit

Copy

Delete

Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

3. OFOS_OrderDB_01

10 records in my database added by some users for ordering food when the order is placed:

Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

SELECT * FROM `ofos_orderdb_01`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create view]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

id

total_price

total_price_with_tax

status

date

user_id

☐

Edit

Copy

Delete

9

13.5

14.85

Delivered

2023-05-01 11:03:50

2

☐

Edit

Copy

Delete

10

16

17.6

Processing Order

2023-05-01 11:06:53

1

☐

Edit

Copy

Delete

11

14.68

16.14

Delivered

2023-05-01 11:45:06

3

☐

Edit

Copy

Delete

17

17.07

18.77

Processing Order

2023-05-01 11:06:57

4

☐

Edit

Copy

Delete

18

8.5

9.35

Cancelled

2023-05-01 11:07:50

2

☐

Edit

Copy

Delete

19

43.45

47.79

Order Placed

2023-05-01 11:08:30

1

☐

Edit

Copy

Delete

20

37.93

41.72

Order Placed

2023-05-01 11:09:23

3

☐

Edit

Copy

Delete

22

40

44

Processing Order

2023-05-05 10:48:50

4

↑

☐ Check all

With selected:

Edit

Copy

Delete

Export

17. Additional Snapshots

10 records in my database added by some users for ordering food when the order is placed:

+ Options

order_id

1

total_price

total_price_with_tax

Status

user_id

Date

1

12

13.2

Delivered

1

2023-05-05 09:42:59

2

30

33

Cancelled

3

2023-05-05 09:44:03

3

23

25.3

Out for Delivery

2

2023-05-05 09:45:54

4

40

44

Processing Order

3

2023-05-05 09:46:49

9

13.5

14.85

Delivered

3

2023-05-01 11:03:50

10

16

17.6

Processing Order

3

2023-05-01 11:06:53

11

14.68

16.14

Delivered

3

2023-05-01 11:46:06

17

17.07

18.77

Processing Order

3

2023-05-01 11:06:57

18

8.5

9.35

Cancelled

3

2023-05-01 11:07:50

19

43.45

47.79

Order Placed

3

2023-05-01 11:08:30

20

37.93

41.72

Order Placed

3

2023-05-01 11:09:23

Check all

With selected:

Show all

Number of rows:

25

Filter rows:

Search this table

Sort by key:

PRIMARY (ASC)

2.Delete one record from your database

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
7	dileep	dileep@gmail.com	500E 33	3127928002
8	Kavya	kavya@gmail.com	Chicago	3127928004
9	Bob	bob@gmail.com	Im	3124567892

9

Bob

bob@gmail.com

Im

312456789

Update

Delete

Back

Logout

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
7	dileep	dileep@gmail.com	500E 33	3127928002
8	Kavya	kavya@gmail.com	Chicago	3127928004

9 Bob bob@gmail.com Im 312456789

Deleted Successfully!

Update Delete Back Logout

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	user_id	username	email	address	phone	password
<input type="checkbox"/> Edit Copy Delete	7	dileep	dileep@gmail.com	500E 33	3127928002	1234567
<input type="checkbox"/> Edit Copy Delete	8	Kavya	kavya@gmail.com	Chicago	3127928004	Kavya0207

☐ Check all With selected: Edit Copy Delete Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

The Bob record was also deleted in the database automatically.

SAME AS

Adding and deleting a record from database which is reflecting in Application

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT * FROM `afos_userdetaildb_02`
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	user_id	username	email	address	phone	password
<input type="checkbox"/> Edit Copy Delete	3	Tinku	tinku@gmail.com	Chicago Im	3127922004	tinku123
<input type="checkbox"/> Edit Copy Delete	7	dileep	dileep@gmail.com	500E 33	3127928002	1234567
<input type="checkbox"/> Edit Copy Delete	8	Kavya	kavya@gmail.com	Chicago	3127928004	Kavya0207

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

1 row affected. (Query took 0.0011 seconds.)

+ Options

	user_id	username	email	address	phone	password
<input type="checkbox"/> Edit Copy Delete	7	dileep	dileep@gmail.com	500E 33	3127928002	1234567
<input type="checkbox"/> Edit Copy Delete	8	Kavya	kavya@gmail.com	Chicago	3127928004	Kavya0207

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Food Ordering Application

Customer Detail Operations

ID	NAME	EMAIL	ADDRESS	PHONE
7	dileep	dileep@gmail.com	500E 33	3127928002
8	Kavya	kavya@gmail.com	Chicago	3127928004

< >

ID Customer Name Email Address Phone

Update Delete Back Logout

Successfully reflected in Application

18.EXCEPTION HANDLING

One of the most important aspect is error trapping and error handling which is incorporated in the food ordering application. Maximum Exception Handling has been covered.

In this application exception handling is covered for each field which will be filled or left blank.