

Coffee Shop Management System

Coffee shop management system is a software developed particularly for coffee shop transactions. It collects detailed information of products, workers, customers, orders, Inventory and etc. As it accumulates and stores all the information in one system, It becomes very useful system for managing all coffee shop transactions.

- In Coffee Shop Management application, Customer can select the items from the menu and place the order. He can also view order details. If placed order total exceeds 50 dollars, then customer gets a gift card.
- Admin can add new employee in to the system. He can also delete employee information from the system.
- Manager can add/update/delete inventory items and he can also view the order log's.
- Chef can login to the application to see the upcoming orders. Delivery Person can see what orders are needs to be delivered by him/her.

User Types

- There are five type of user in our application which are as follows:
 - Admin
 - Manager
 - Chef
 - Customer
 - Delivery Person

Functionality Of User Roles

- **Admin:**

- Admin can create and delete employee information.
- Update his/her personal information.

- **Manager:**

- Manager can view the placed order list.
- Add/Update/Delete/View inventory information.
- Update his/her profile information.

- **Customer:**

- Customer can SignUp
- Customer can add items to the cart and place order.
- Update his/her profile information.
- He/she can delete account.

- **Delivery Person:**

- This user can view the placed order list.
- Update his/her profile information.

- **Chef:**

- This user can view the placed order list.
- Update his/her profile information.

Technology Used:

- **Database:** MySQL
 - MySQL is chosen as the database because:
 - It is an open source software.
 - It is easy to use and secure.
- **Programming Language:** Java
 - It is platform independent.
 - Easy to write ,compile and debug.
 - The application is designed on MVC framework.
 - A **JDBC** connection was established for connection of Java program with MySQL.
 - **JavaFX** is used for GUI. This makes the application user friendly.

Login Credentials:

Admin:

Username - admin

Password - 123

Customer:

Username - papa

Password - papa123

Username - clitus

Password - 123

Manager:

Username - dave

Password - 123

Chef:

Username - daneil

Password – 123

Delivery Person:

Username - warner

Password – 123

Note: RUN 'Main.java' to start with the application.

To RUN project using the jar file use the following line in CMD

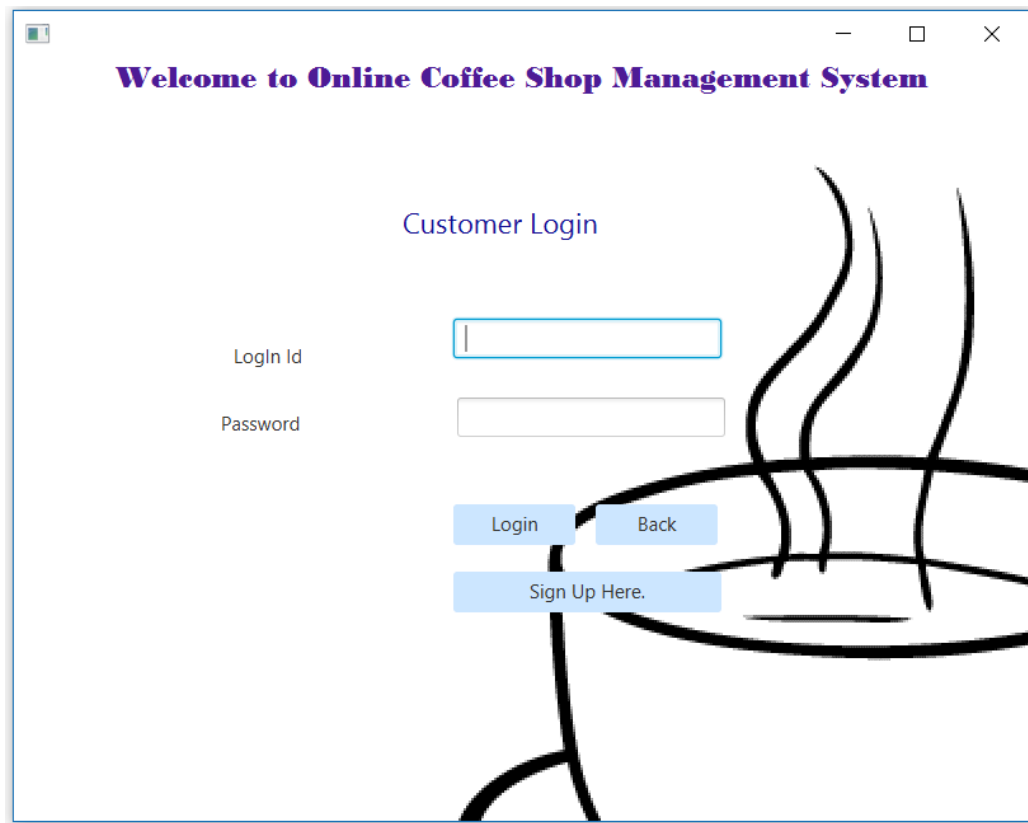
Path>java -jar CoffeeShopManagSys.jar

Snapshots:

1. Welcome Page.



2. Customer Login.



The screenshot shows a web browser window titled "Welcome to Online Coffee Shop Management System". The page has a header with the title in purple. Below the header, the text "Customer Login" is centered. The login form consists of two input fields: "Login Id" and "Password". To the right of these fields is a large, stylized black line drawing of a coffee cup with steam rising from it. Below the input fields, there are three buttons: "Login", "Back", and "Sign Up Here.".

Welcome to Online Coffee Shop Management System

Customer Login

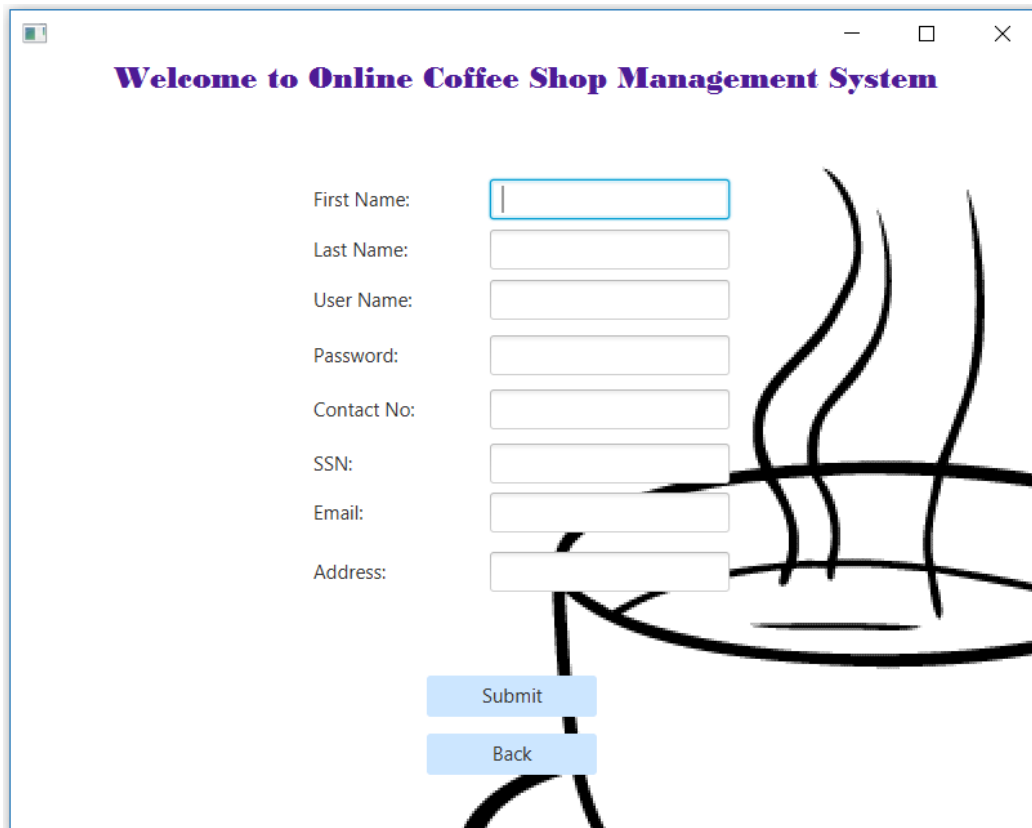
Login Id

Password

Login Back

Sign Up Here.

3. Customer Sign Up.



The screenshot shows a web browser window titled "Welcome to Online Coffee Shop Management System". The page has a header with the title in purple. Below the header, the text "Customer Sign Up" is centered. The sign-up form consists of eight input fields: "First Name:", "Last Name:", "User Name:", "Password:", "Contact No:", "SSN:", "Email:", and "Address:". To the right of these fields is a large, stylized black line drawing of a coffee cup with steam rising from it. Below the input fields, there are two buttons: "Submit" and "Back".

Welcome to Online Coffee Shop Management System

Customer Sign Up

First Name:

Last Name:

User Name:

Password:

Contact No:

SSN:

Email:

Address:

Submit Back

4. Customer View.

Online Coffee Shop Management System

Welcome Clitus.

Edit ProfileDelete ProfileLogout

menultem_cdId	categoryId	menultem_cdName	menultem_cdPrice	
11	1	Espresso	10.00	The espresso (aka "short black") is the
12	1	Short Macchiato	15.00	A short macchiato is similar to an espr
13	1	Ristretto	12.00	A ristretto is an espresso shot that is e
21	1	Pepsi	2.00	Pepsi with ice and soda
22	1	Coca-Cola	3.00	Coca cola with soda
23	1	Fanta	2.00	Fanta with ice
41	1	Soda	2.00	Soda with ice
51	1	Apple Juice	3.00	Apple juice with Dry fruit
52	1	Watermelon	2.00	Watermelon juice with ice

Menu Item ID :

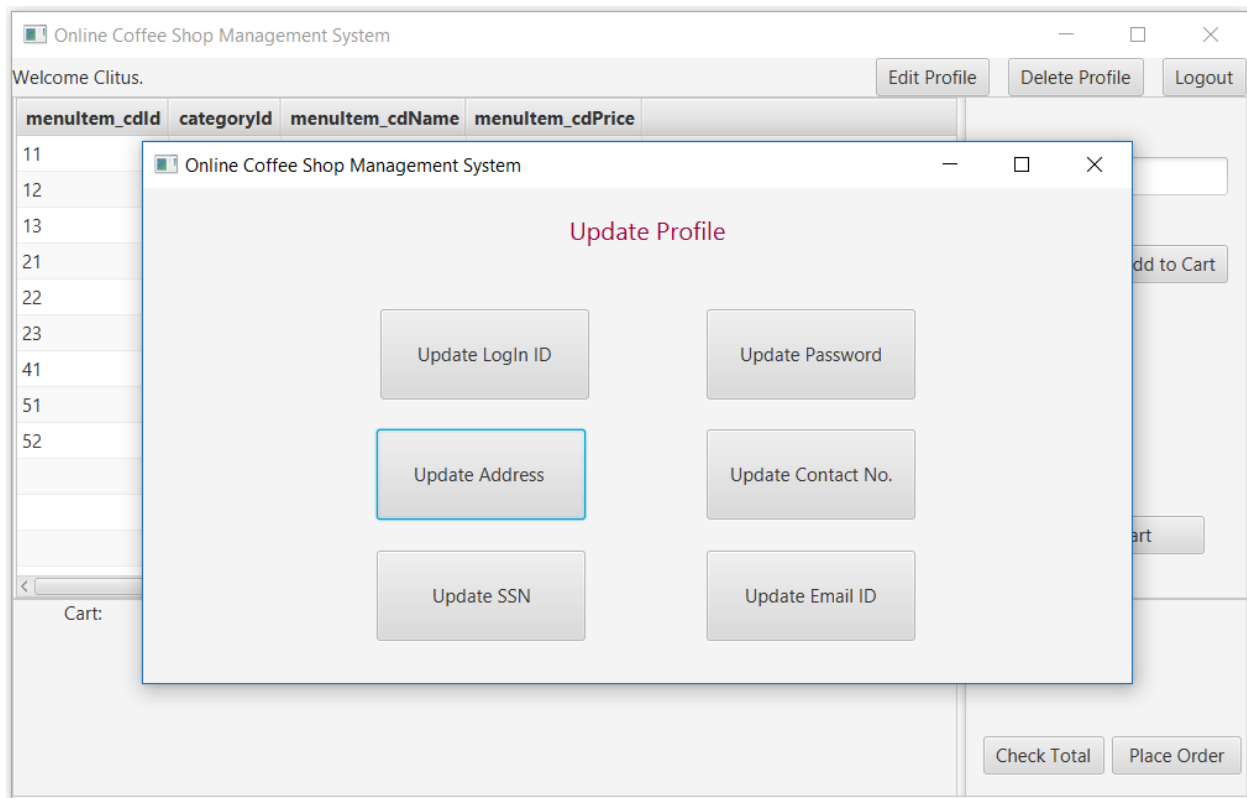
Add to Cart

Clear Cart

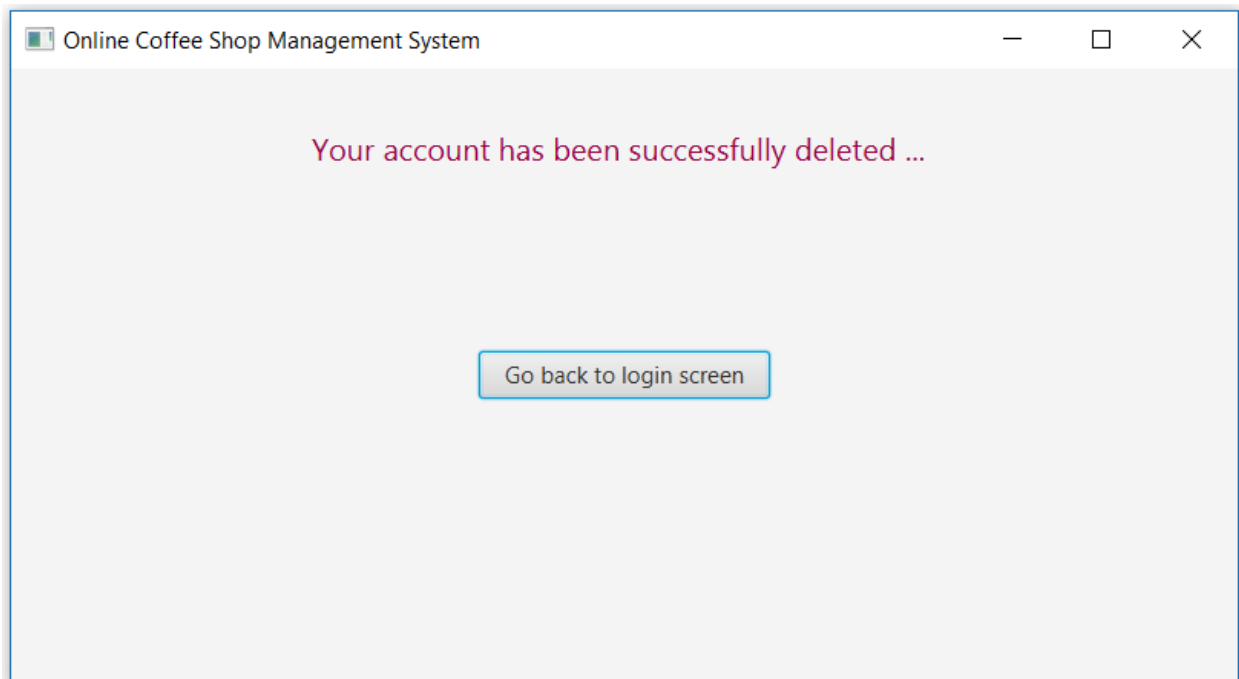
Check TotalPlace Order

Cart:

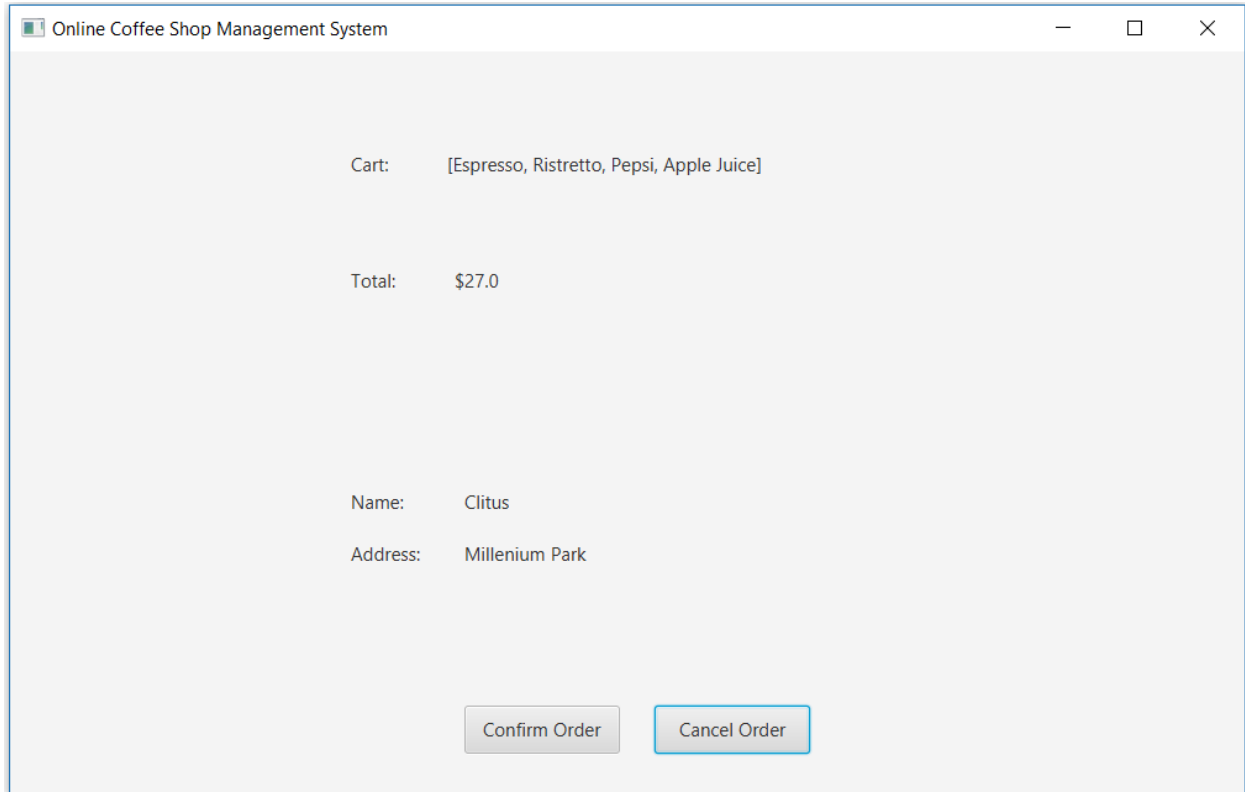
5. Customer Profile Update View.



6. Customer account deleted page is displayed once customer click “Delete Profile” button.



7. Order Confirmation Page.



The screenshot shows a web application window titled "Online Coffee Shop Management System". The page displays order confirmation details. At the top, it shows "Cart: [Espresso, Ristretto, Pepsi, Apple Juice]". Below this, it shows "Total: \$27.0". Further down, it shows "Name: Clitus" and "Address: Millenium Park". At the bottom, there are two buttons: "Confirm Order" and "Cancel Order".

Online Coffee Shop Management System

Cart: [Espresso, Ristretto, Pepsi, Apple Juice]

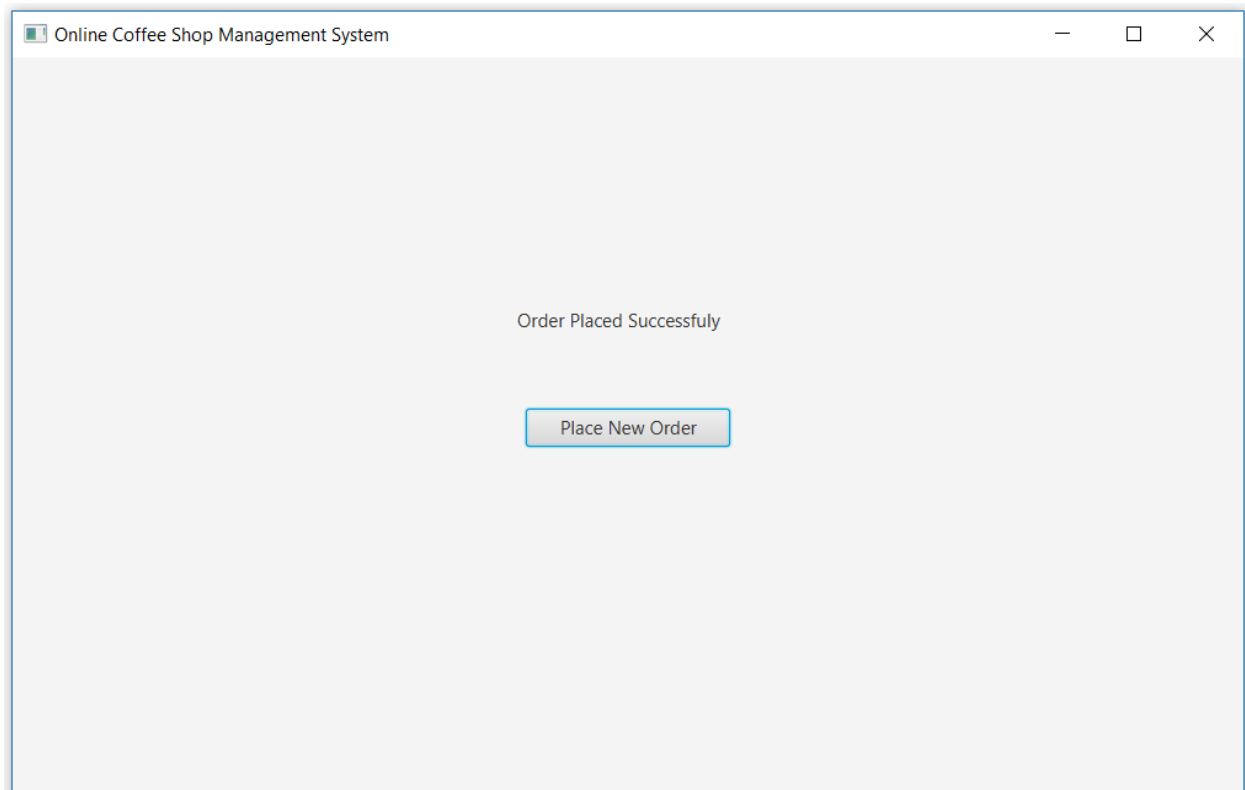
Total: \$27.0

Name: Clitus

Address: Millenium Park

Confirm Order Cancel Order

8. Order Placed Confirmation Page.



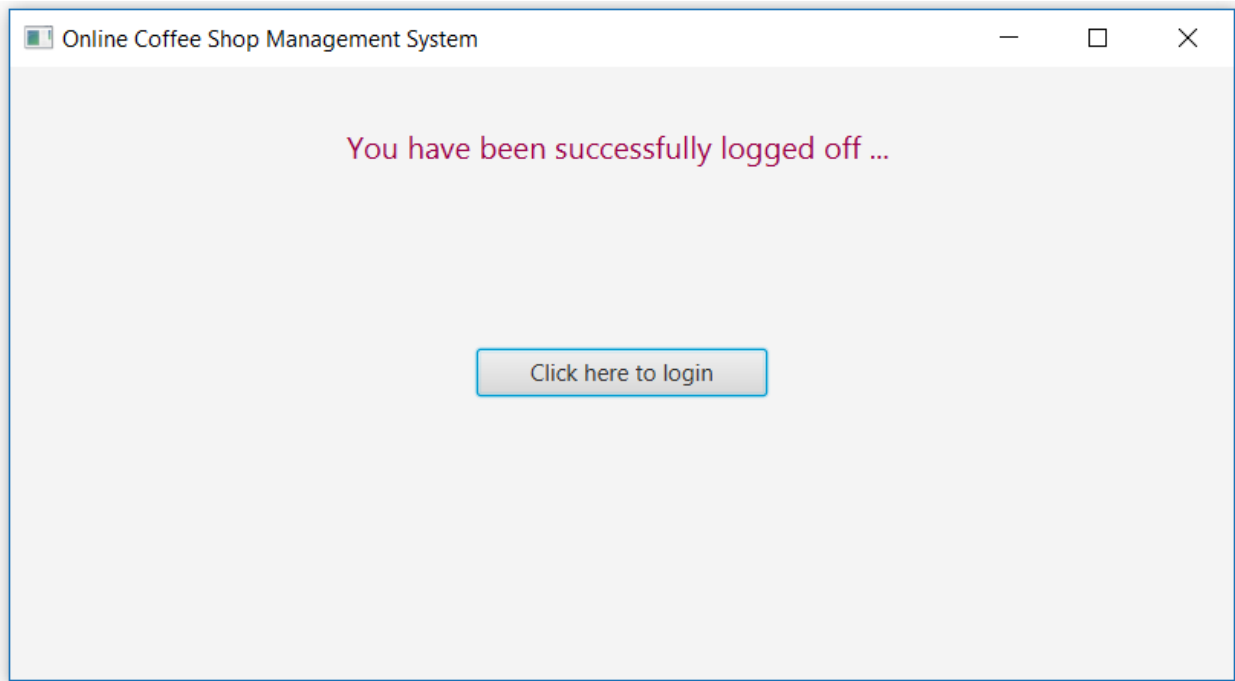
The screenshot shows a web application window titled "Online Coffee Shop Management System". The page displays a confirmation message "Order Placed Successfully". Below this message, there is a button labeled "Place New Order".

Online Coffee Shop Management System

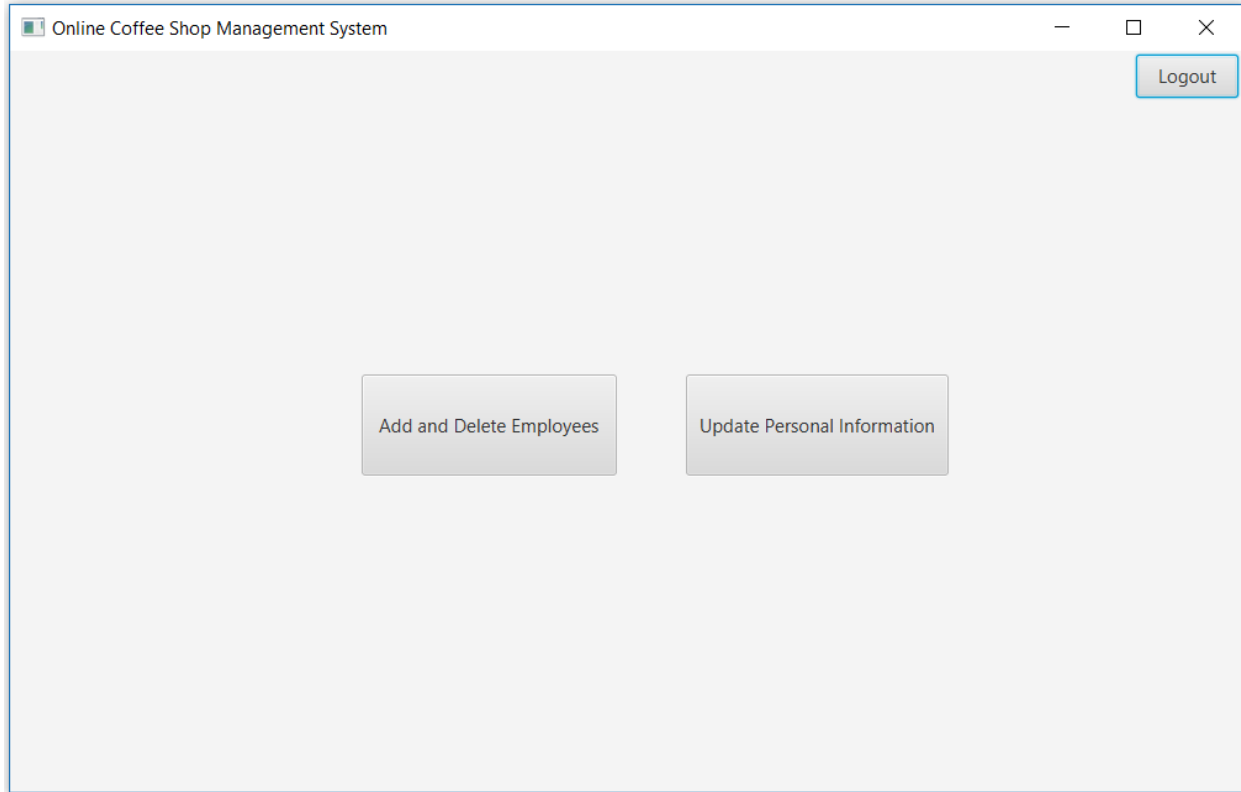
Order Placed Successfully

Place New Order

9. Logoff Screen.



10. Admin View.



[illegible]

Online Coffee Shop Management System

Logout
Back

Employee Details:

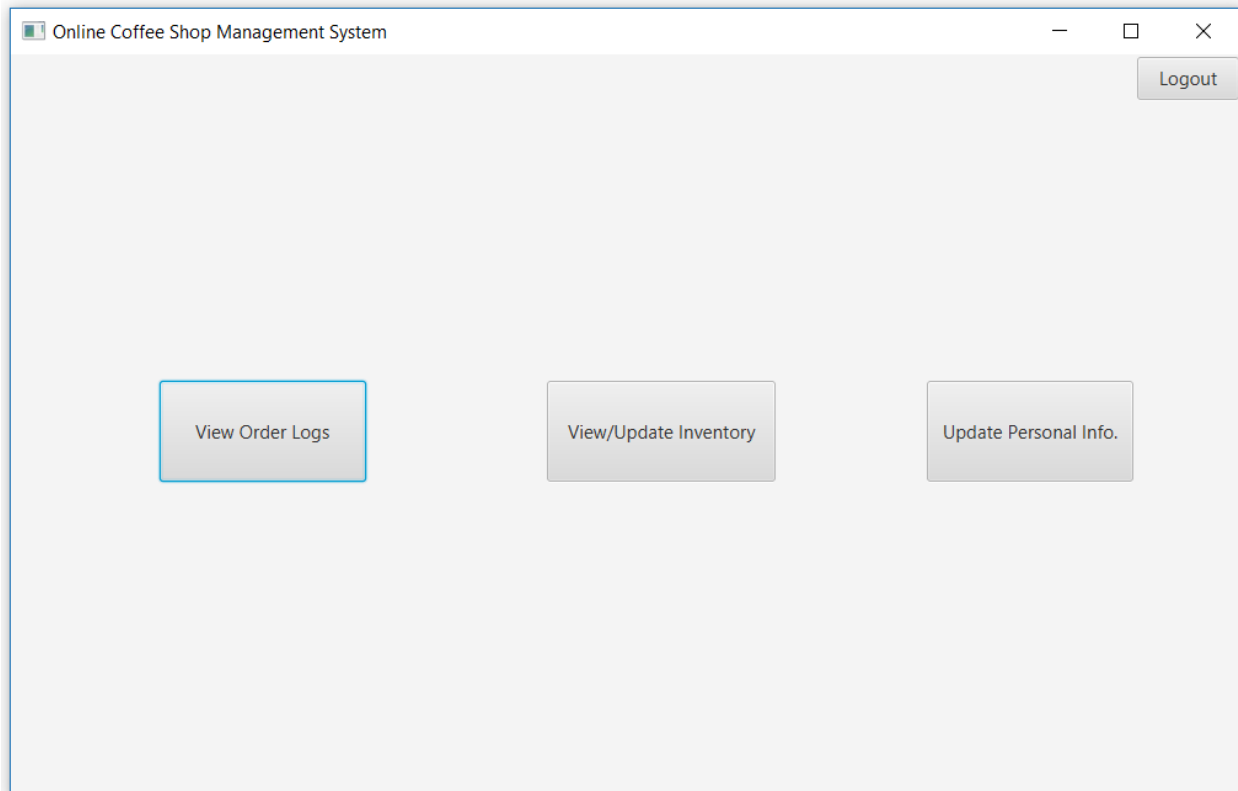
empId	firstname	lastname	phoneNo	SSN	email
101	Clitus	Dmonte	1234567890	12345678911	rpointing@gmail.c
102	admin	admin	3255874125	99635874125	ssmith@gmail.com
103	Jhon	Dave	1234567890	12345678911	jdave@gmail.com
104	Jack	Daneil	3125748960	54789612531	jdaneil@gmail.co
105	David	Warner	9632587410	74125896301	dwarner@gmail.c
106	Archi	Dsouza	9632367410	87095896301	archi@gmail.com
107	Shri	Jesu	2134567890	213456789	sjesu@gmail.com

Delete Employee Add Employee

Emp ID
User ID
First Name
Last Name
Contact No.
Role
SSN
Email ID
Address

Add Employee

13. Manager View.



14. Order Logs.

[illegible]

15. View/Add/Update/Delete Inventory

The screenshot shows a window titled "Online Coffee Shop Management System" with standard window controls (minimize, maximize, close) in the top right. In the top right corner of the window, there are two buttons: "Logout" and "Back". Below these buttons is a table with three columns: "itemId", "itemName", and "itemQuantity". The table contains four rows of data:

itemId	itemName	itemQuantity
12	white bread	12
13	wheat bread	15
14	Chilli Sauce	20
15	cups	21

To the right of the table, there are three buttons: "Delete Inventory", "Add Inventory", and "Update Inventory". Below these buttons is a form with the label "Enter Item Id:" followed by a text input field. Below the input field is a button labeled "Delete Inventory Item".

16. Manager Profile Update View

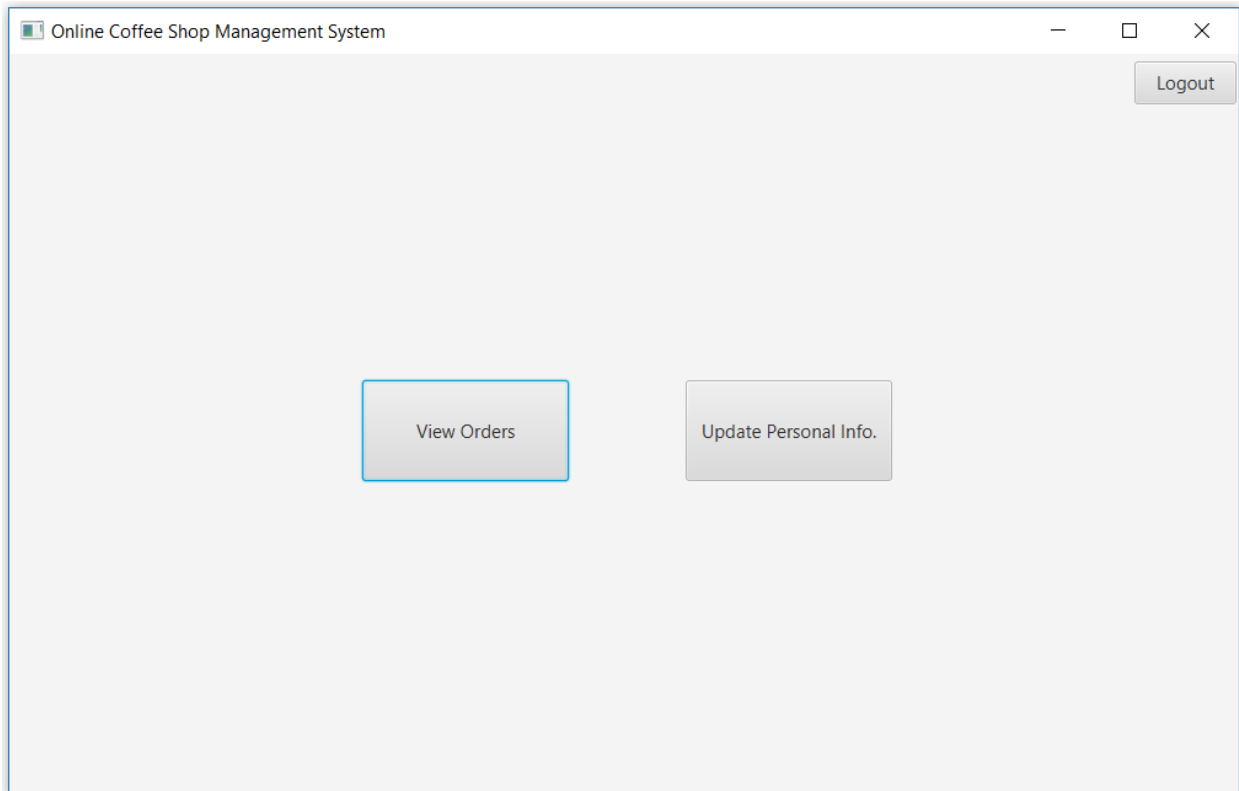
The screenshot shows a window titled "Online Coffee Shop Management System" with standard window controls (minimize, maximize, close) in the top right. In the top right corner of the window, there is a "Logout" button. In the center of the window, there is a smaller window titled "Online Coffee Shop Management System" with standard window controls. This inner window has a title "Update Profile" in red text. Below the title, there are six buttons arranged in a 3x2 grid:

- Update Login ID
- Update Password
- Update Address (highlighted with a blue border)
- Update Contact No.
- Update SSN
- Update Email ID

The screenshot shows a web application window titled "Online Coffee Shop Management System". The window has a standard operating system title bar with minimize, maximize, and close buttons. In the top right corner of the application area, there is a "Logout" button. In the center of the page, there are two buttons: "View Orders" on the left and "Update Personal Info." on the right. Both buttons have a light blue gradient and a thin blue border. The background of the page is a solid light gray.

[illegible]

19. Chef View.



Conclusion

- Coffee shop management application is successfully implemented in MVC framework with MySQL as a database server.
- Admin can add/delete employee information from the system.
- Chef can view the upcoming orders. Delivery person can view orders which are needs to be delivered.
- This application makes coffee order placing process efficient because customer gets the glimpse of all coffee types offered by shop and can place the order for coffee of its own choice.
- Moreover, this application also gives functionality to shop manager to track inventory stock and update it as and when required.