Name: Clitus D'monte Course: ITMD-510

# 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.***

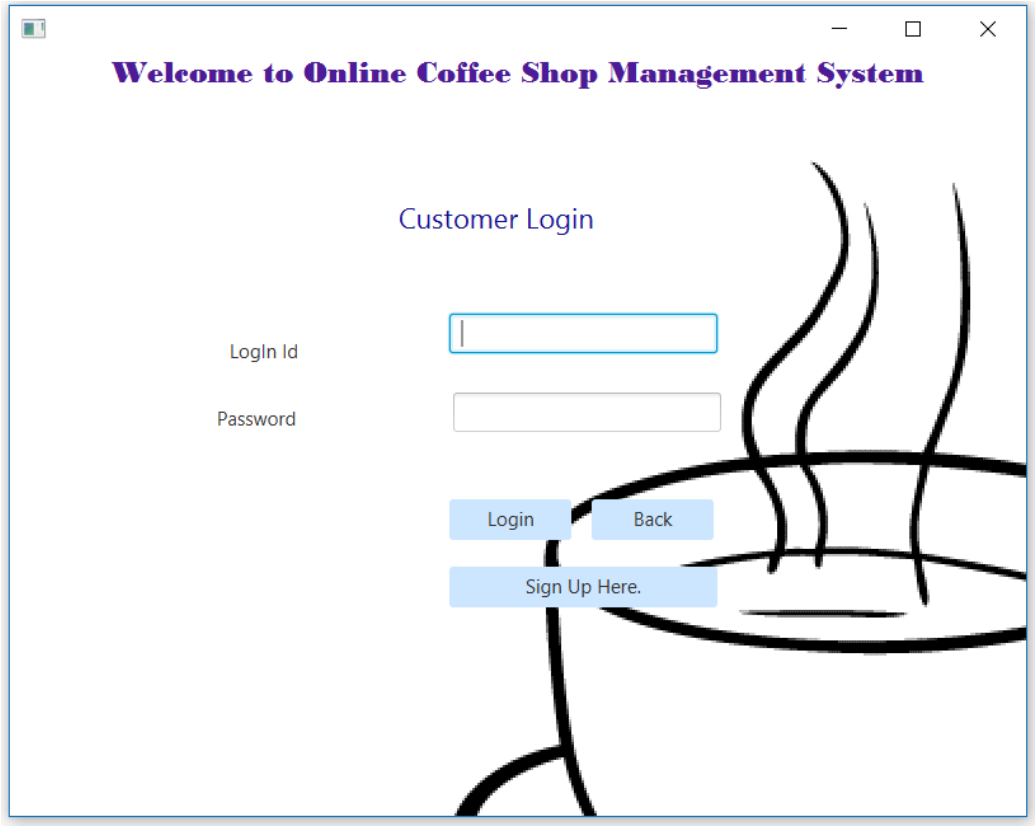
***To RUN project using the jar file use the following line in CMD***

***Path>java -jar CoffeeShopManagSys.jar***

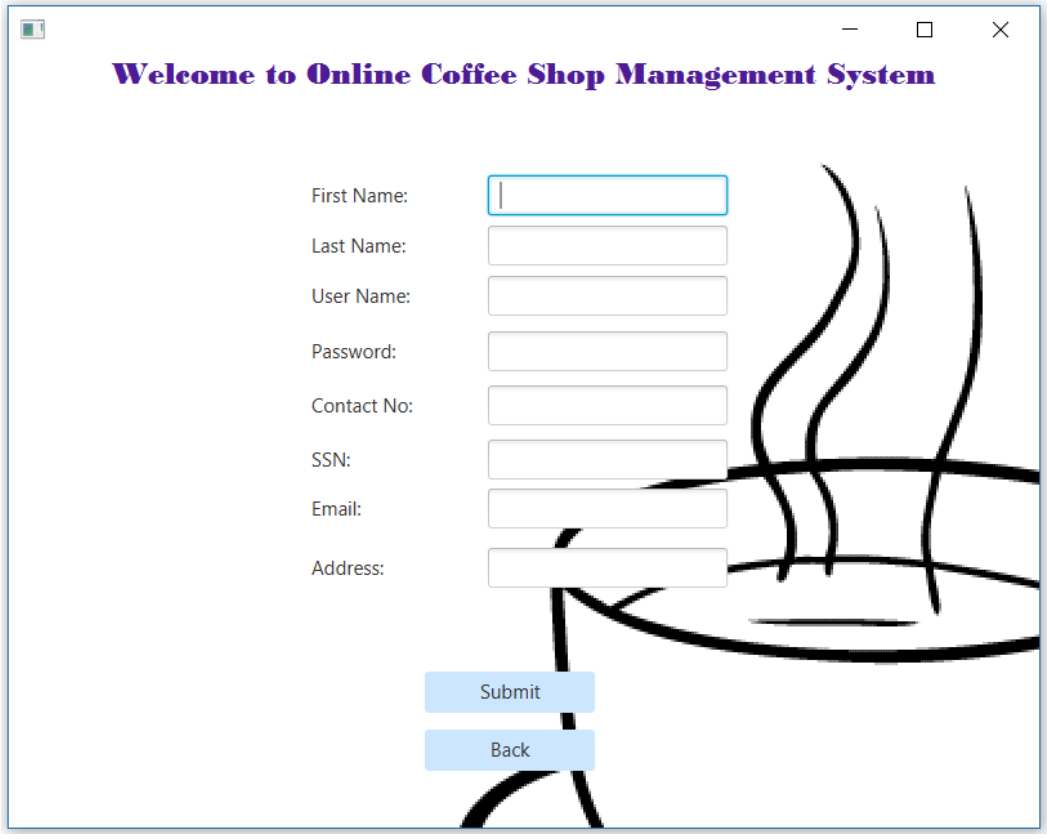
# Snapshots:

1. **Welcome Page**.

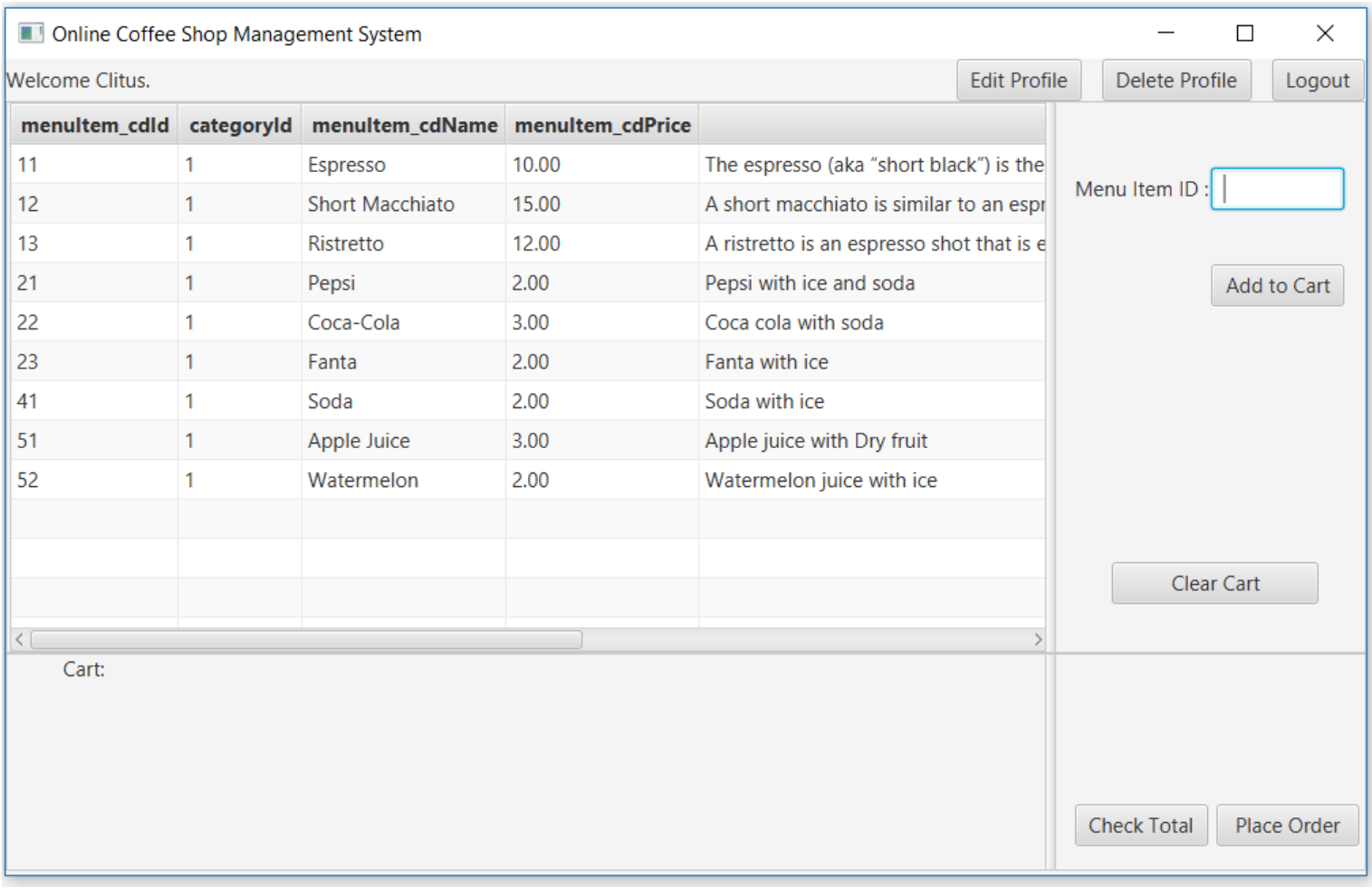
2. **Customer Login**.



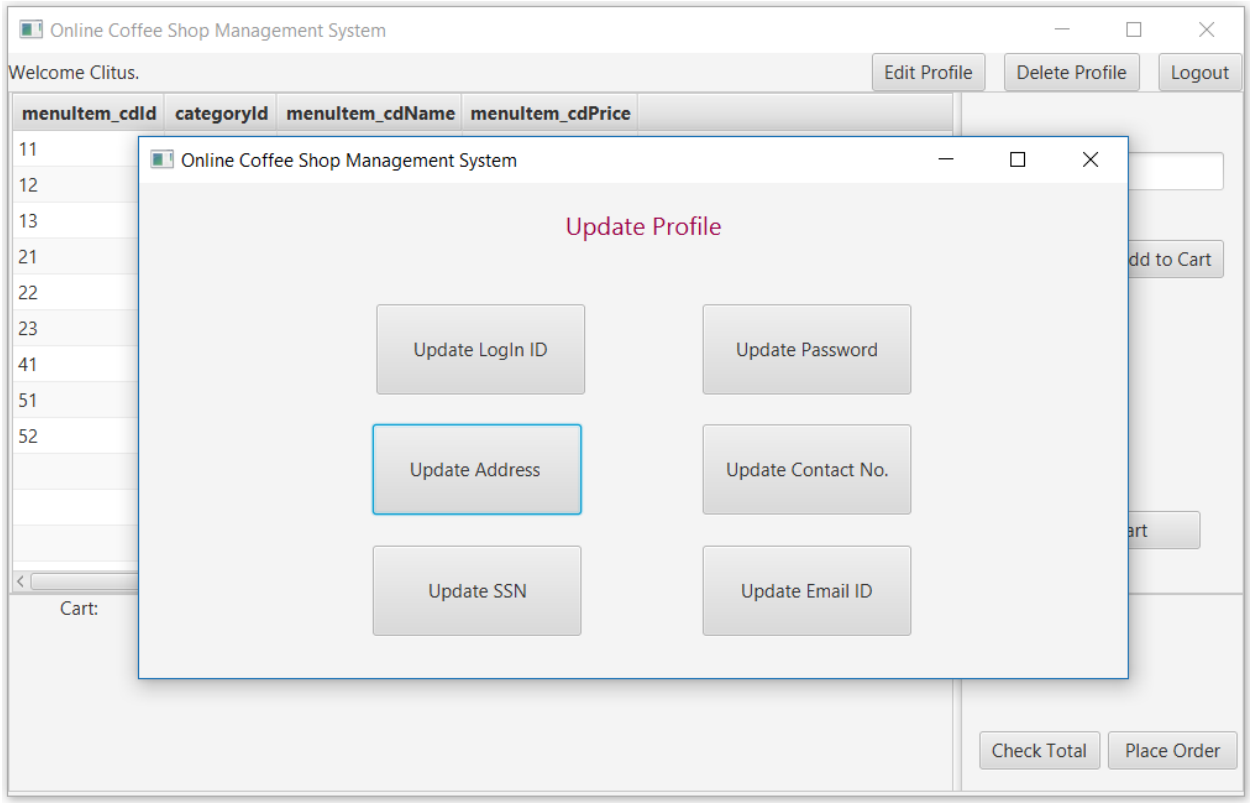

3. **Customer Sign Up.**



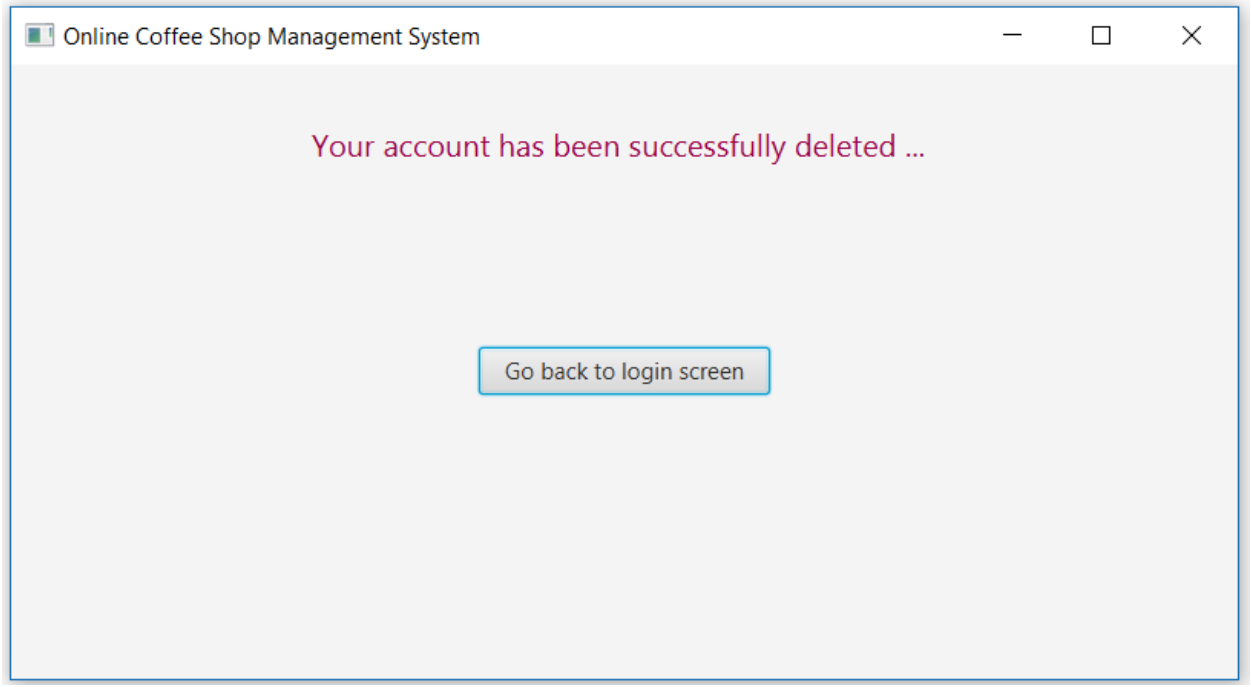
4. **Customer View.**



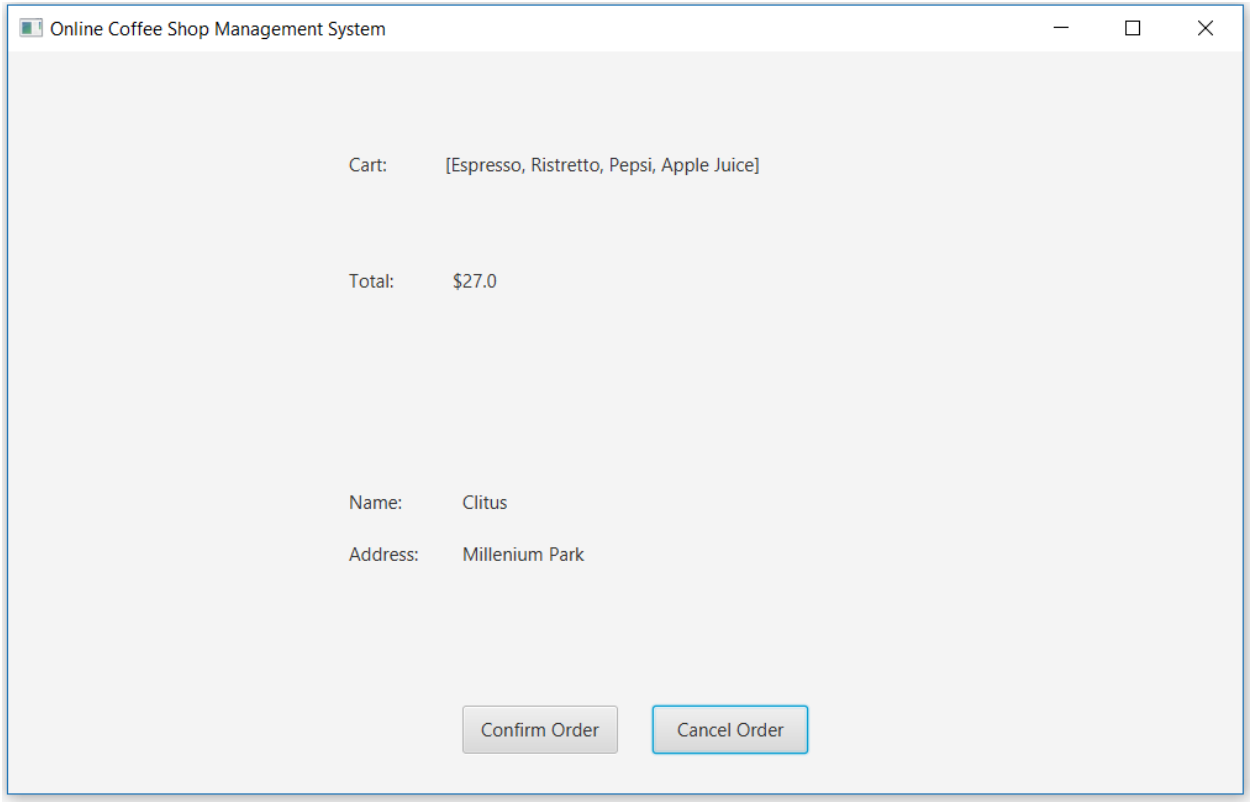
5. **Customer Profile Update View.**



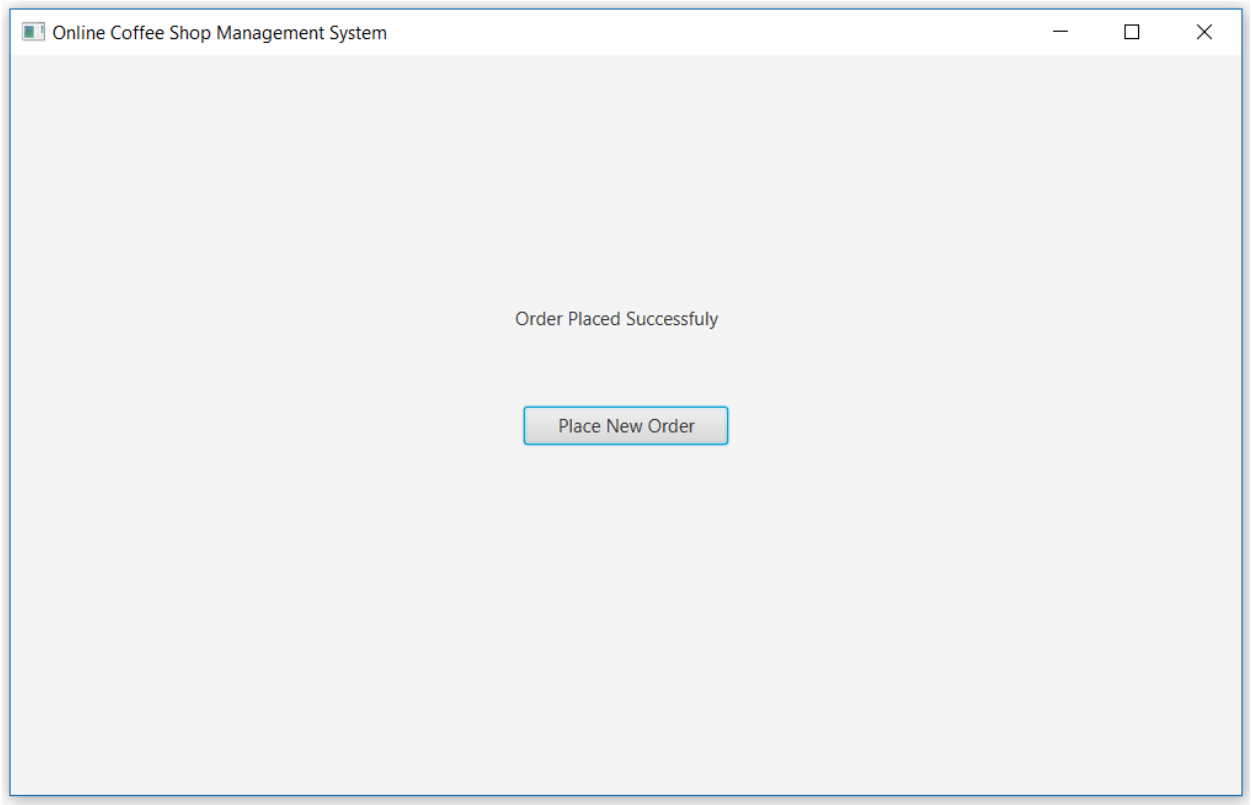

6. **Customer account deleted page is displayed once customer click “Delete Profile” button.**



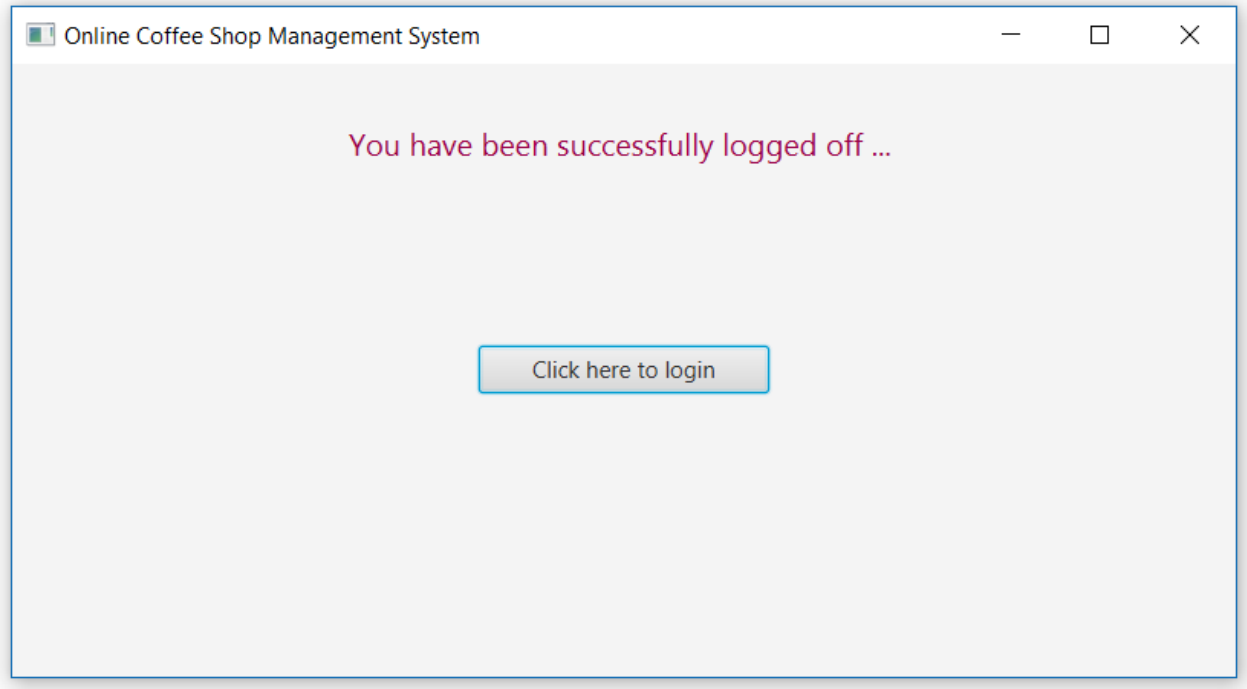
7. **Order Confirmation Page.**



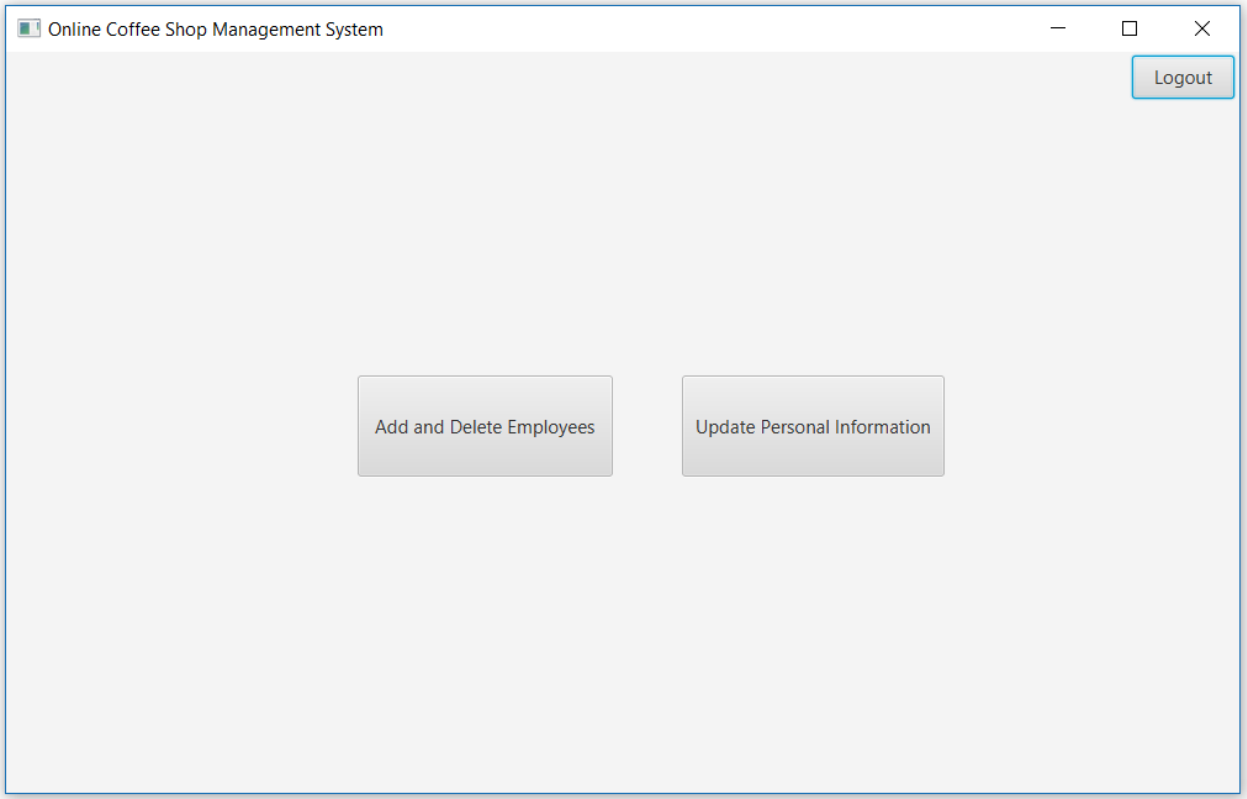

8. **Order Placed Confirmation Page.**



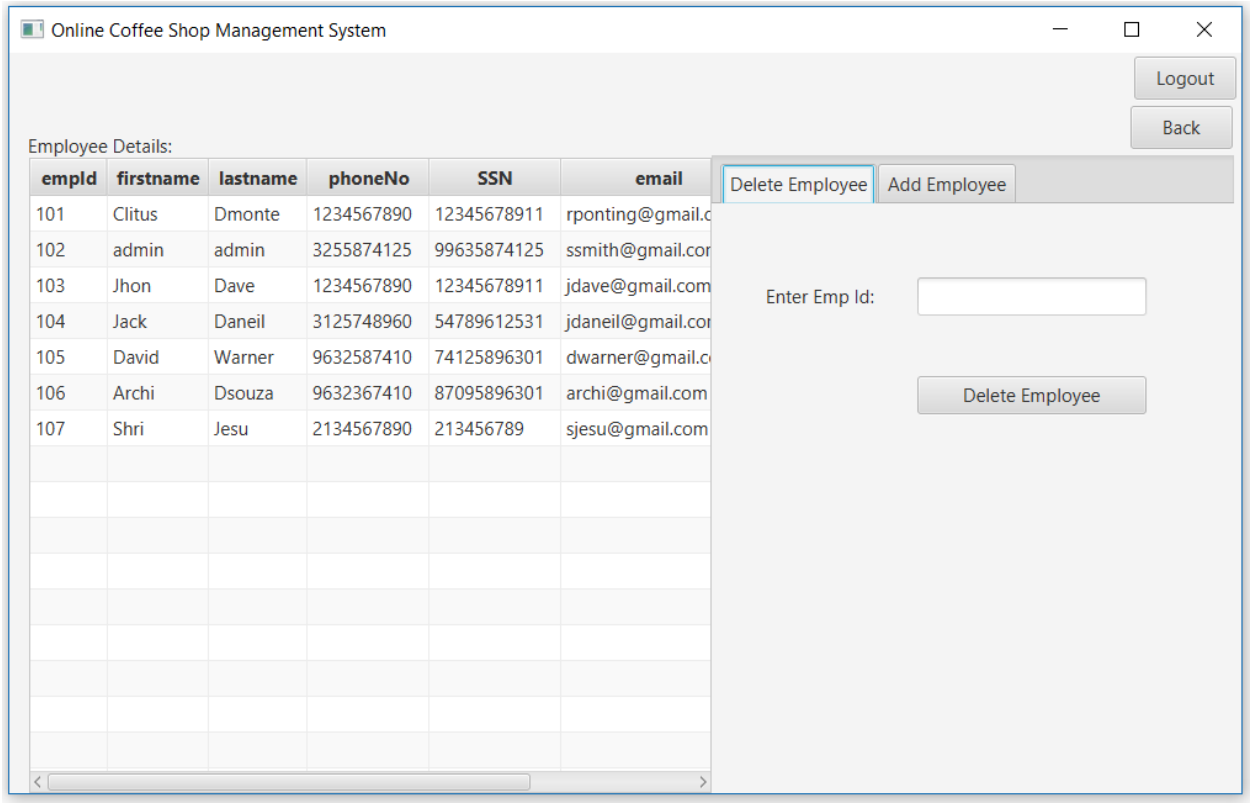
9. **Logoff Screen.**



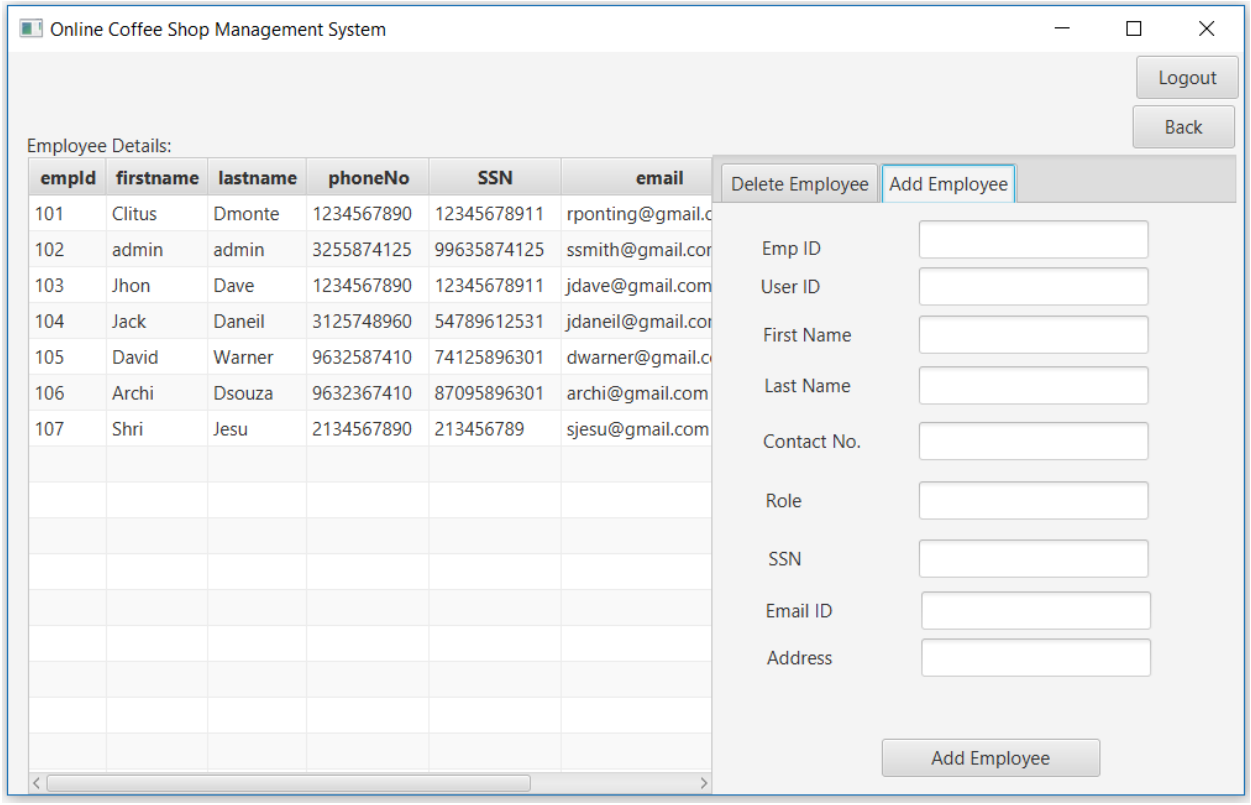

10. **Admin View.**



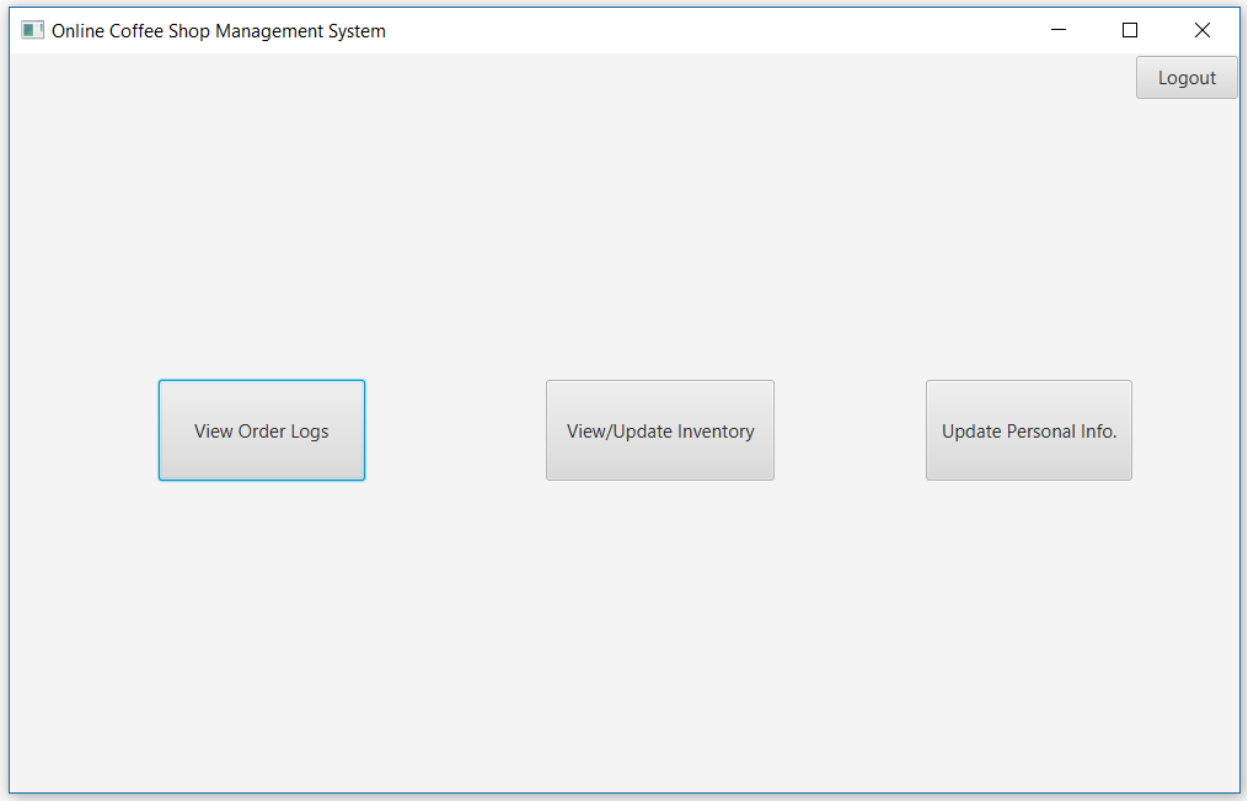
## 11. **Delete Employee.**



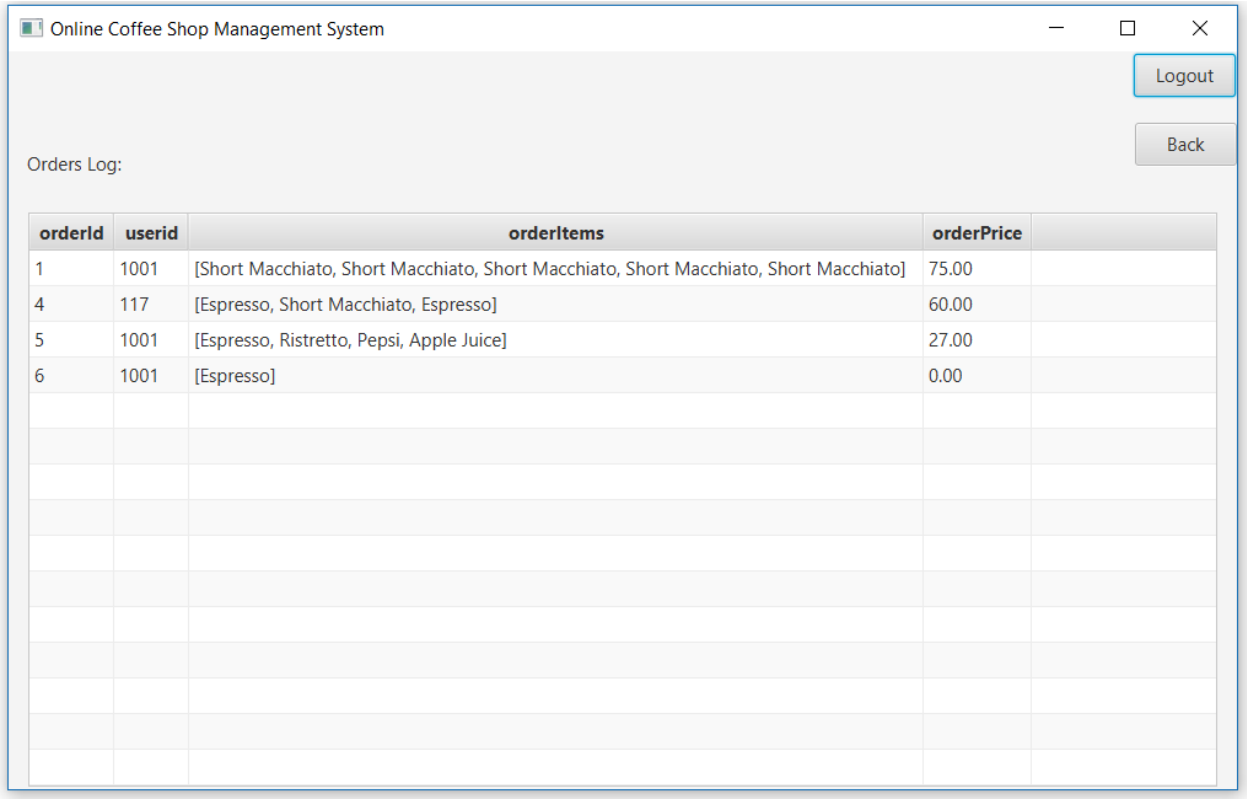

## 12. **Add Employee.**



13. **Manager View.**

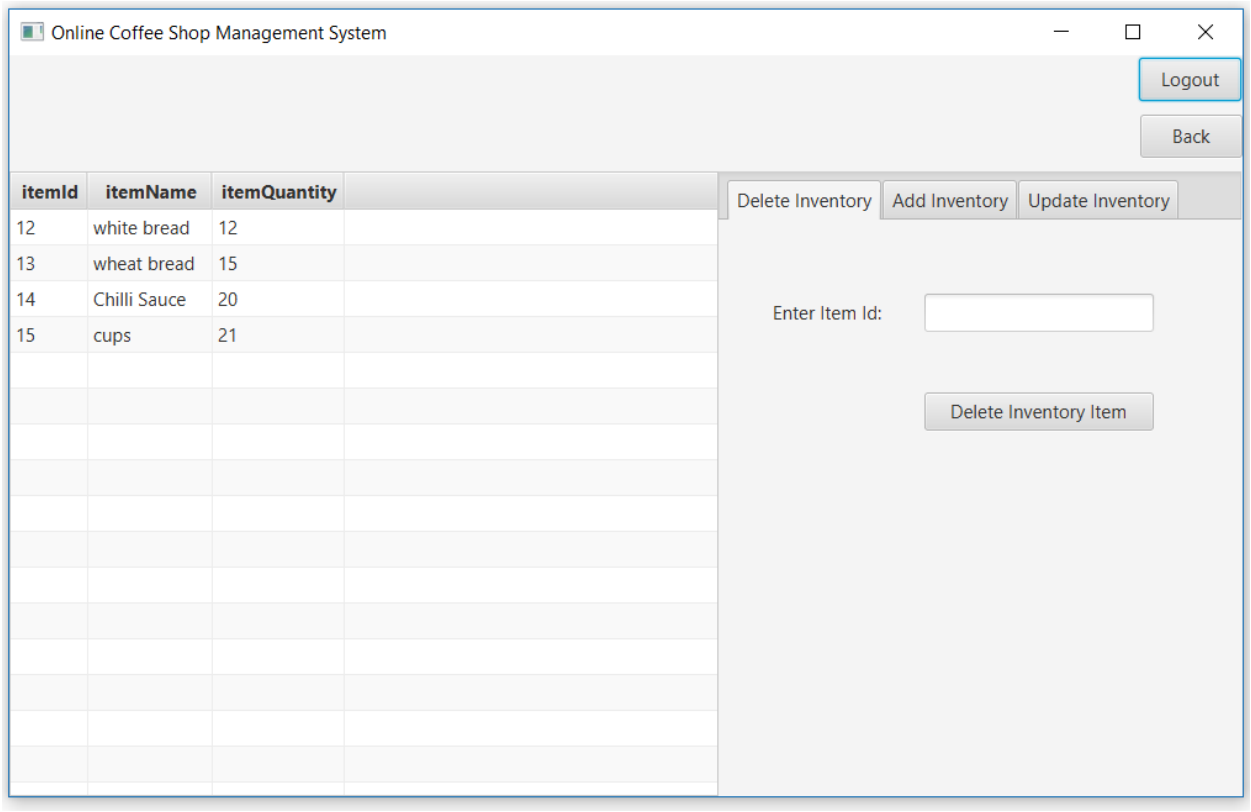



14. **Order Logs.**

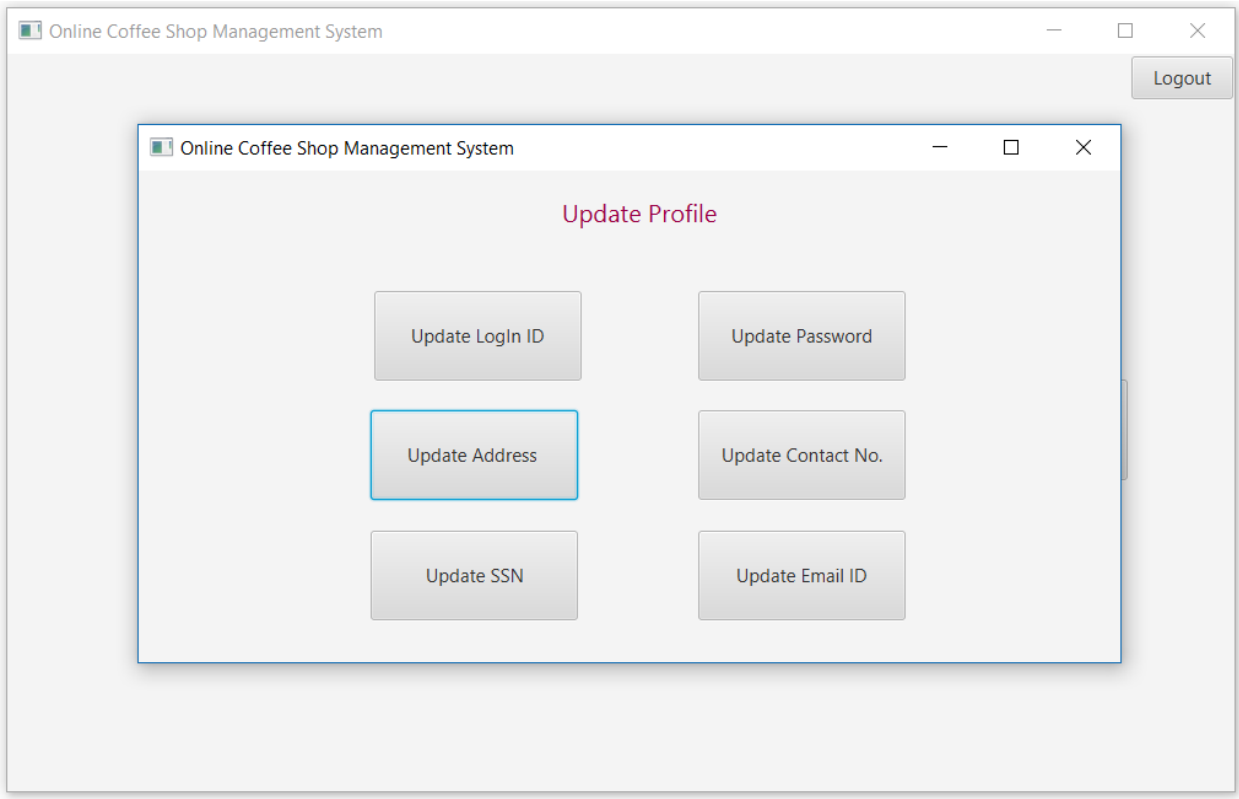



| orderId | userid | orderItems | orderPrice |
|---|---|---|---|
| 1 | 1001 | [Short Macchiato, Short Macchiato, Short Macchiato, Short Macchiato, Short Macchiato] | 75.00 |
| 4 | 117 | [Espresso, Short Macchiato, Espresso] | 60.00 |
| 5 | 1001 | [Espresso, Ristretto, Pepsi, Apple Juice] | 27.00 |
| 6 | 1001 | [Espresso] | 0.00 |

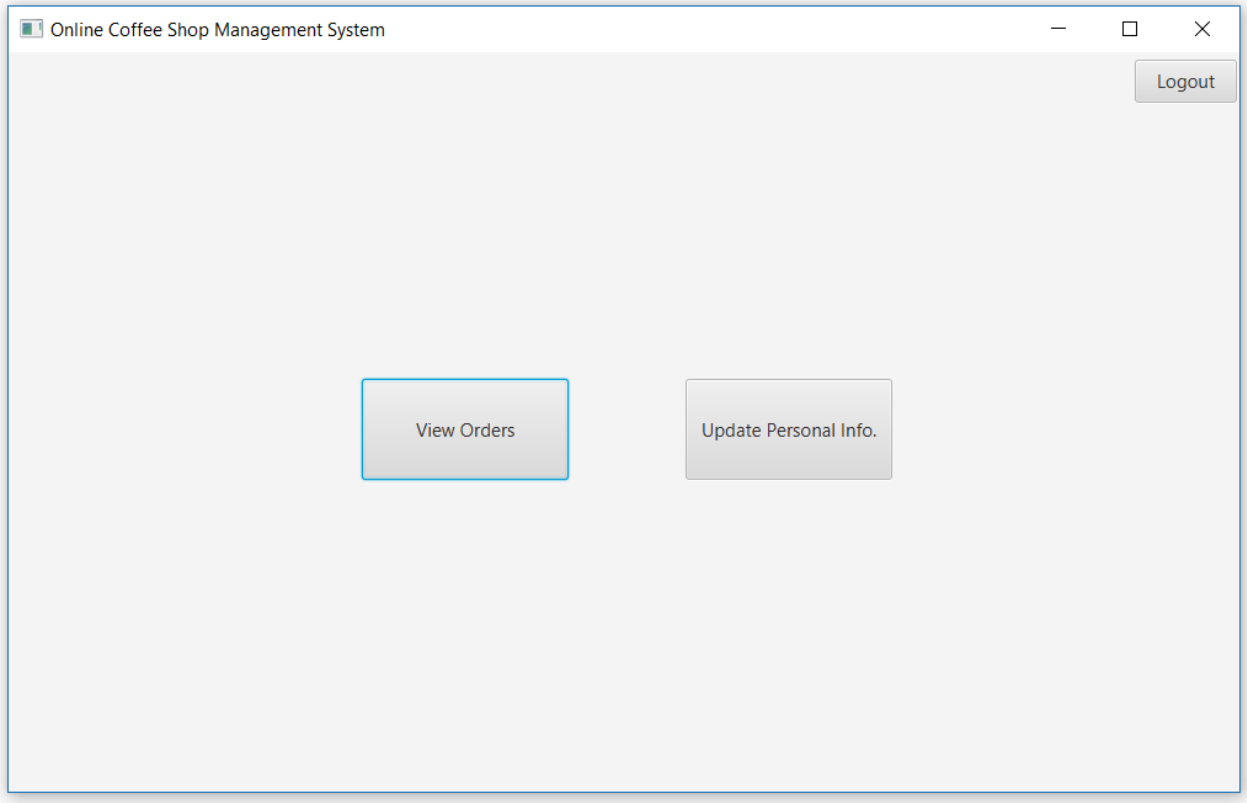
## 15. **View/Add/Update/Delete Inventory**



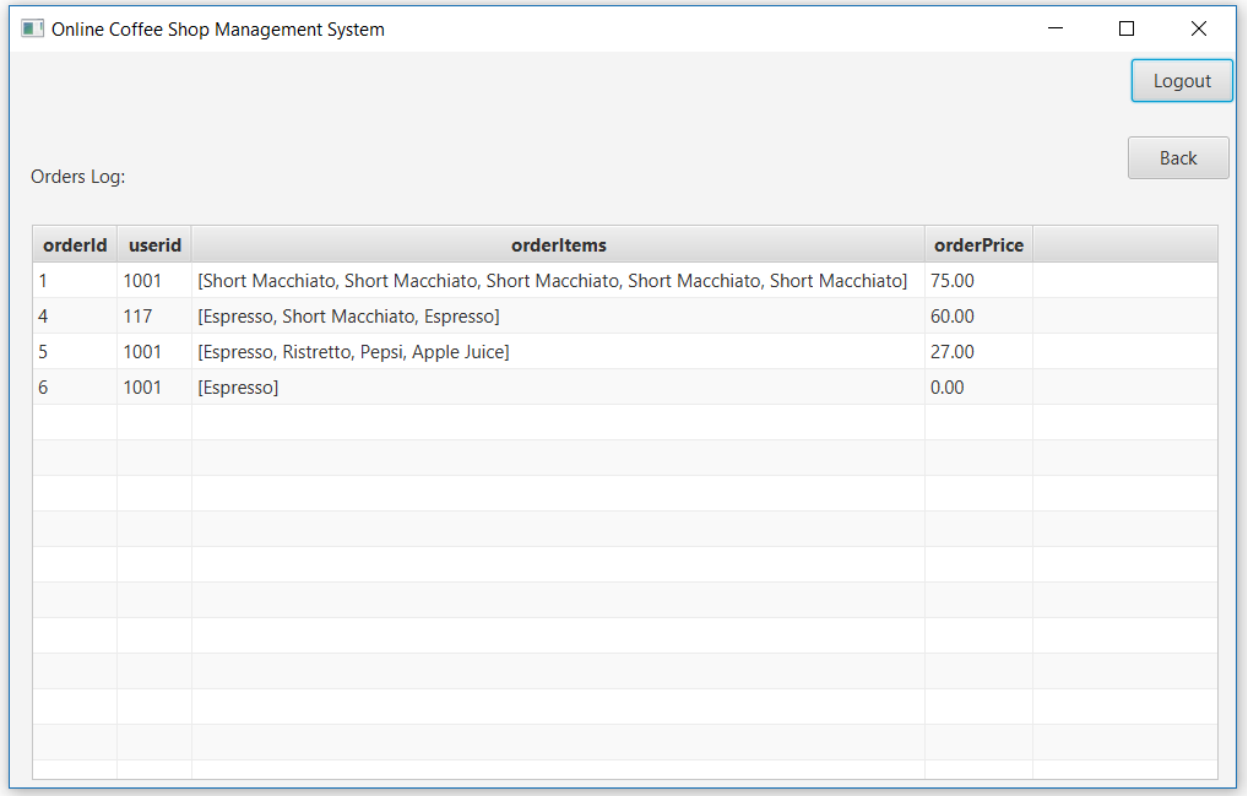

## 16. **Manager Profile Update View**



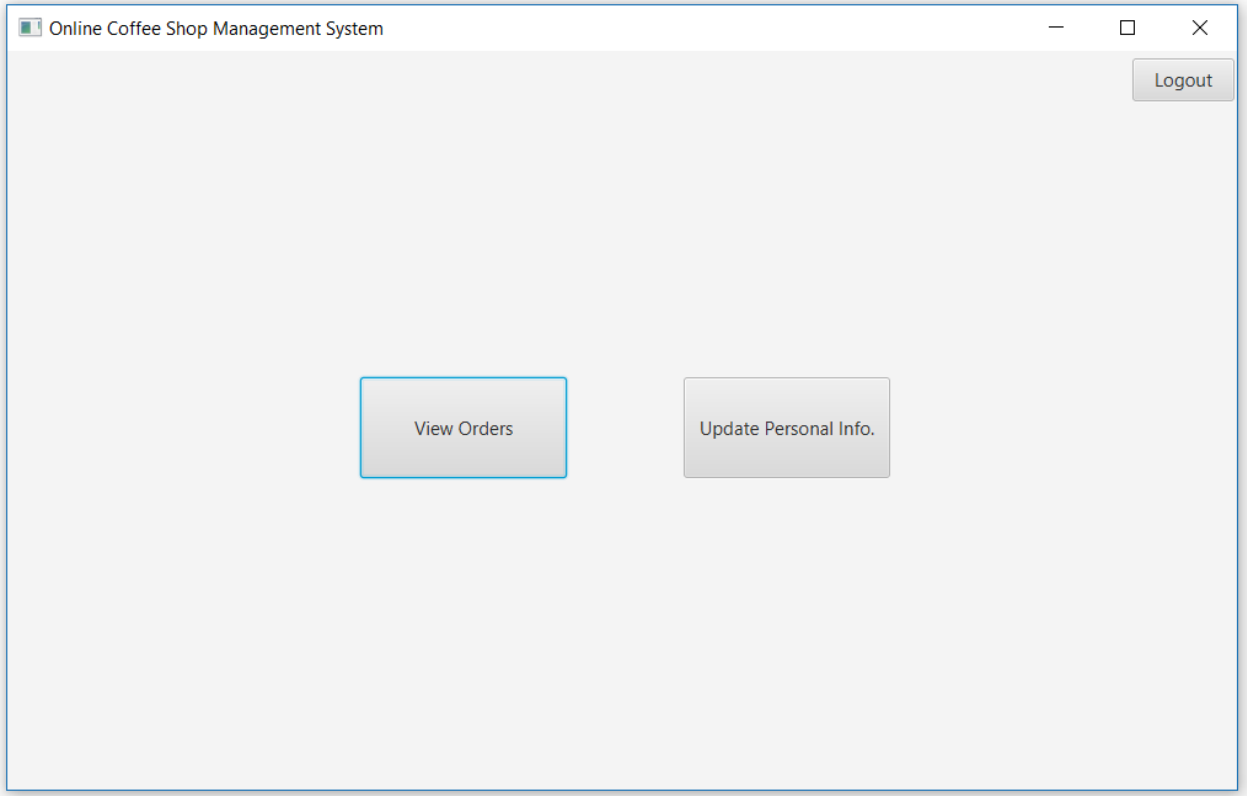
17. **Delivery Person View.**




18. **Order Logs.**



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.**