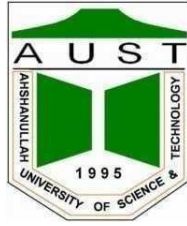


Ahsanullah University of Science & Technology
Department of Computer Science & Engineering



Cafee Management System

Software Engineering II (CSE 2100)

Submitted By:

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ABSTRACT

The project titled “*Cafe Management System*” is a cafe management software for monitoring and controlling transactions in restaurants. This project will be developed in Netbeans 8.2 and database management will be handled by MySQL. This software mainly focuses on basic operations in a restaurant as well as some special features like customer login and administrative login. New customer can open a user account quite easily after filling up a registration form provided with username and password. It also has facility where customer after logging in their account can see the list of available food, list of beverages, its purchase date and also the customer can select different type of food in a single bill. A customer will have the opportunity to update his/her account details, visit his/her profile, search a particular food item or find the specific food and order. By administrative login an admin can keep track of the whole system. Admins will have the access to register user, manage food details, add new food item, view bills and customer information and profiles. There will be a report option for the customer to suggest anything about the food quality to improve which later can be viewed by the admins for the betterment of the cafe.

Overall the key purpose of this project is to provide a friendly environment to the customer as well as the stuffs of the restaurant to maintain the environment of the restaurant the best way possible and help reduce the human efforts. It can help customer to manage the transaction or record more effectively and timesaving. In fact, in this pandemic situation they can enjoy delicious food and make their life easier by staying home.

Software Platform:

- The project will be developed using JavaFX
- Netbeans 8.2
- MySQL server

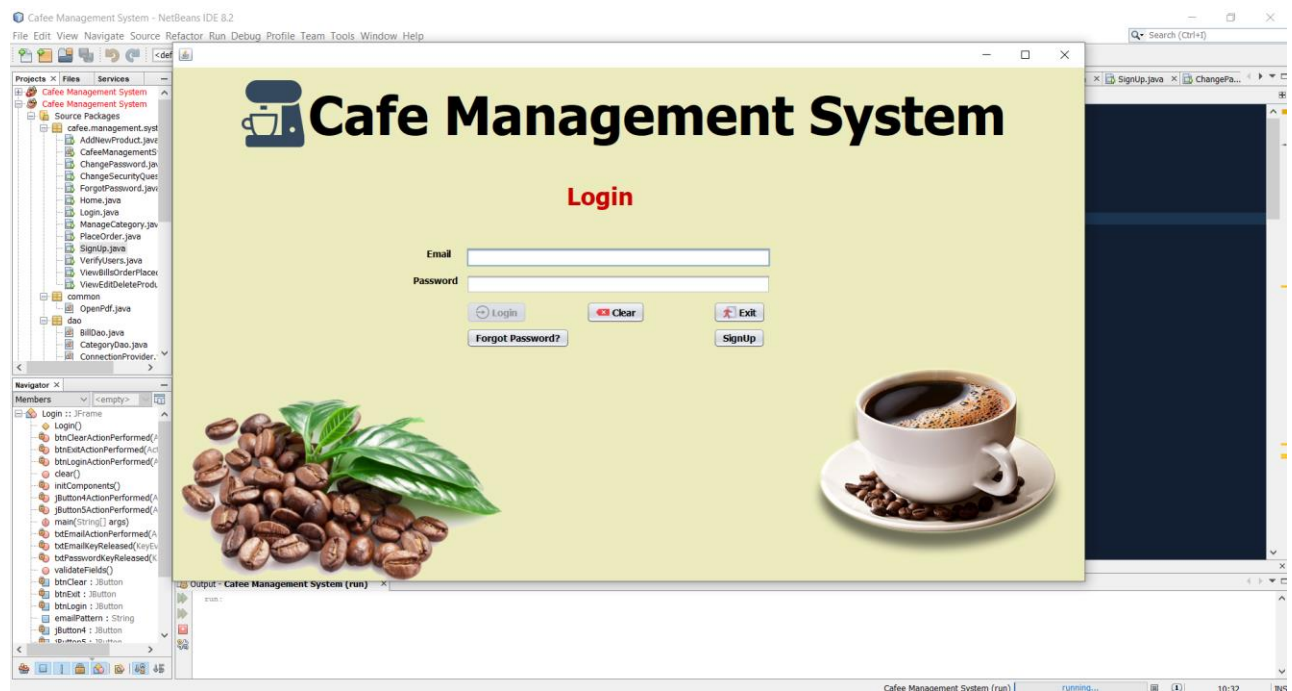
Our Implementation in the Project:

1. UI Design:

We have designed the UI of the project admirably. We have created a splash screen. The splash screen will appear which is a Login page of our project “Cafee Management System”. After showing the page, the menu page will be shown.

We have created login page for

- Admin
- Users

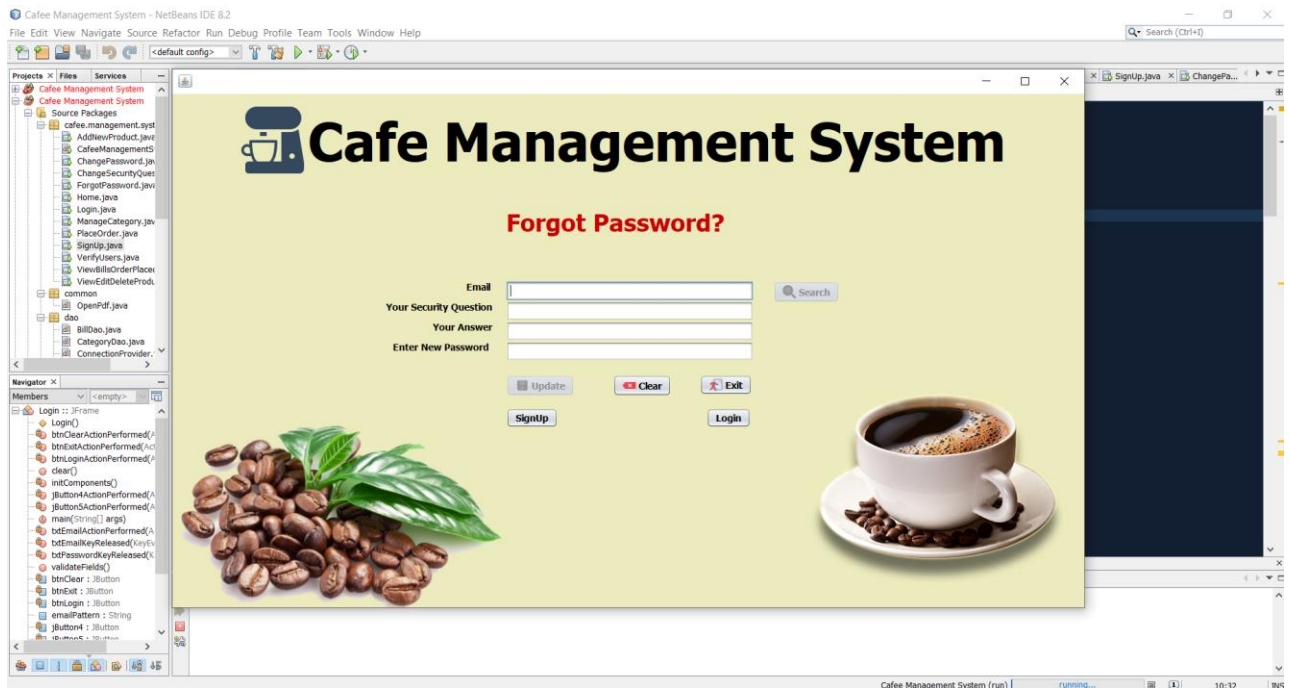


2. Icons:

We have created a different package named image and stored all our used icons and pictures to make our project orderly. We have done our work in a sorted way.

3. Forget password:

We have designed a page which will help the users in case of emergency. If user by chance forget his/her password, he/she can change their password from this page.



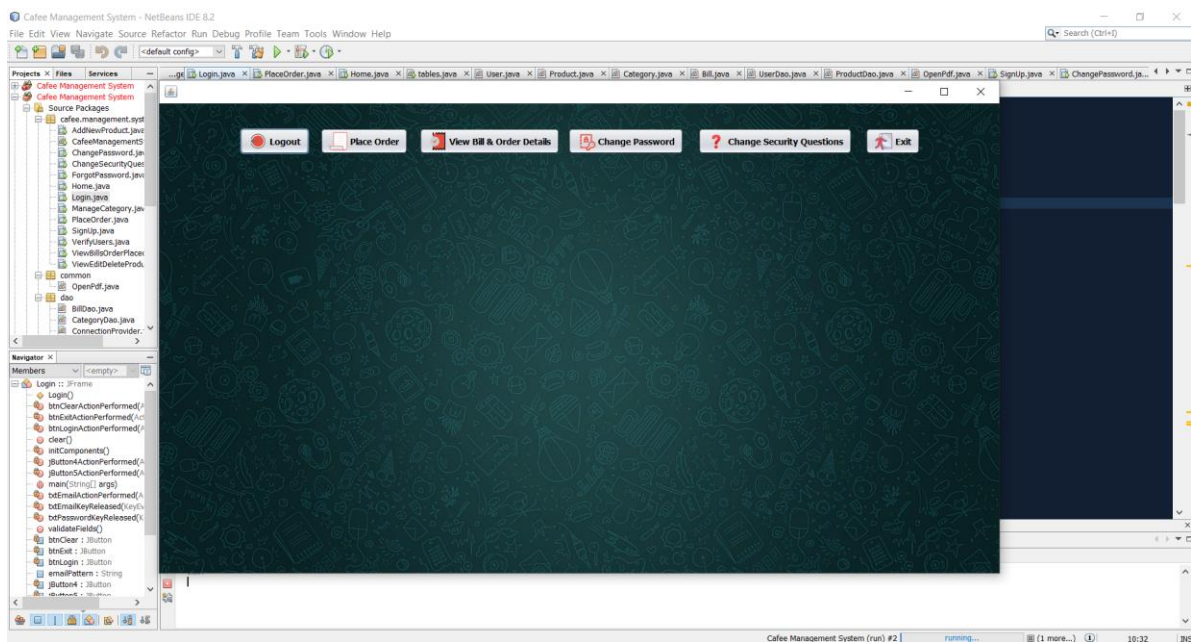
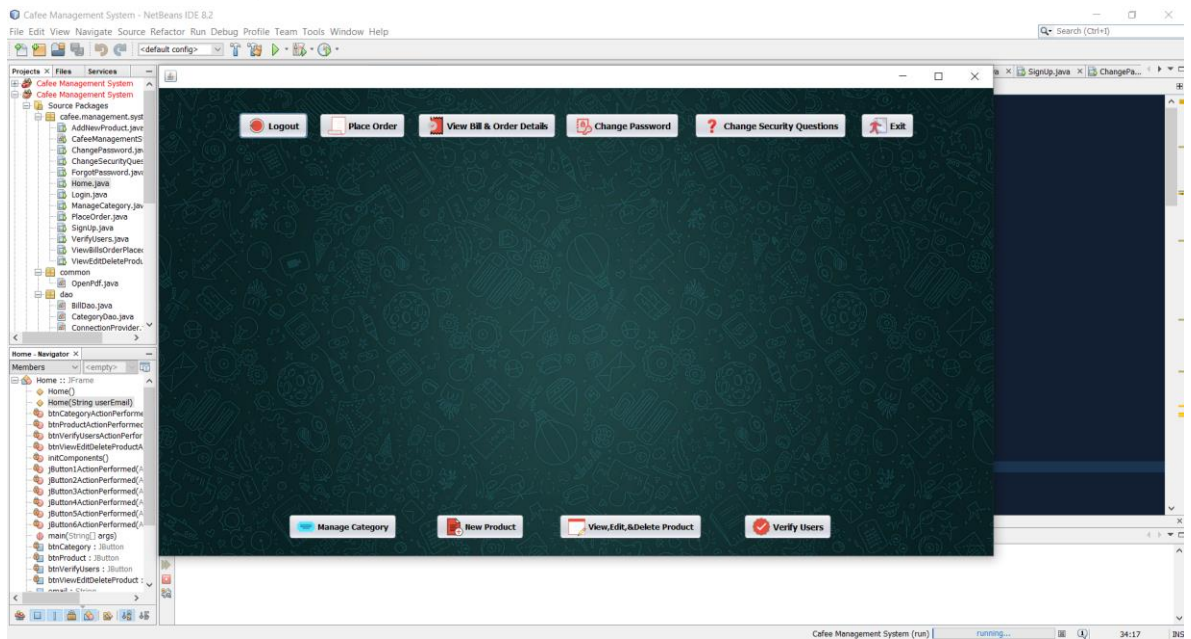
4. Sign Up:

We have designed a page which will help the new users to create account in our system. For this they have to fill up the given information. After providing all the necessary the save button will active. the request of creating account will be approved by the admin. After that the users can order food from our system.



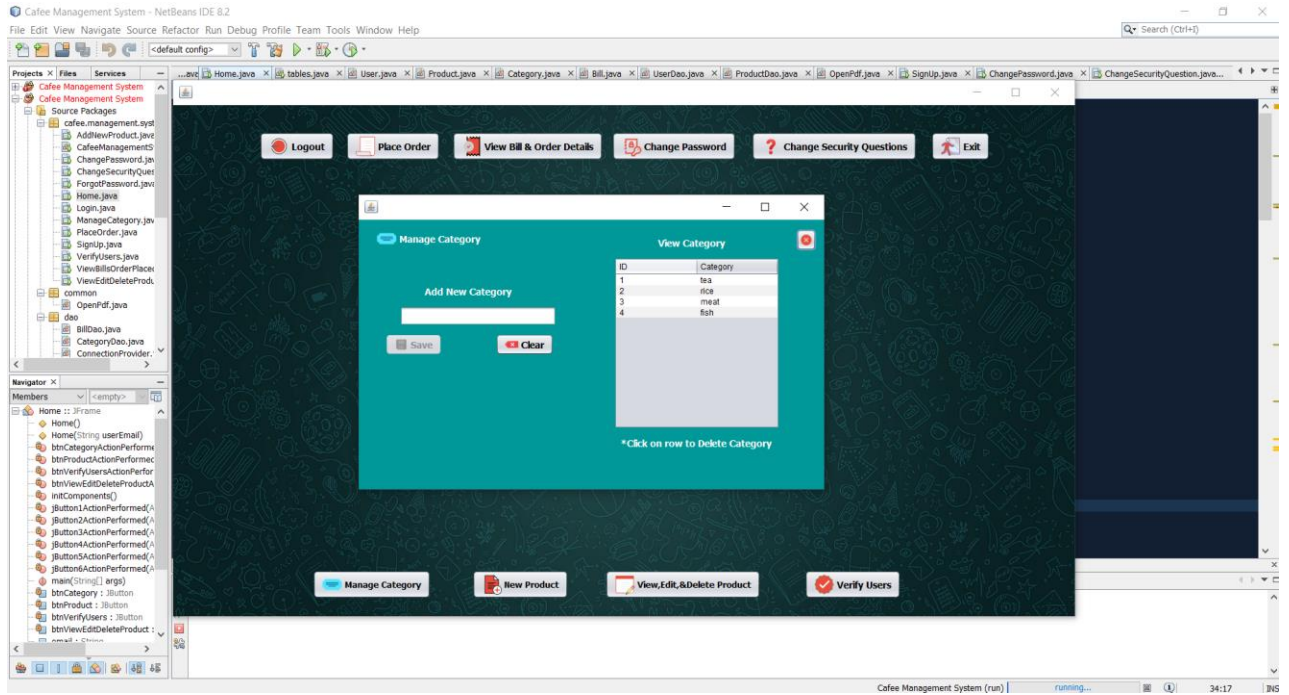
5. Home:

There are two interface for the admin & the users. Admin will see more option for the maintenance of the whole system. On the other hand, users will be able to use some specific features. Whole system will be controlled by the admin. First page is for admin & second one id for users.

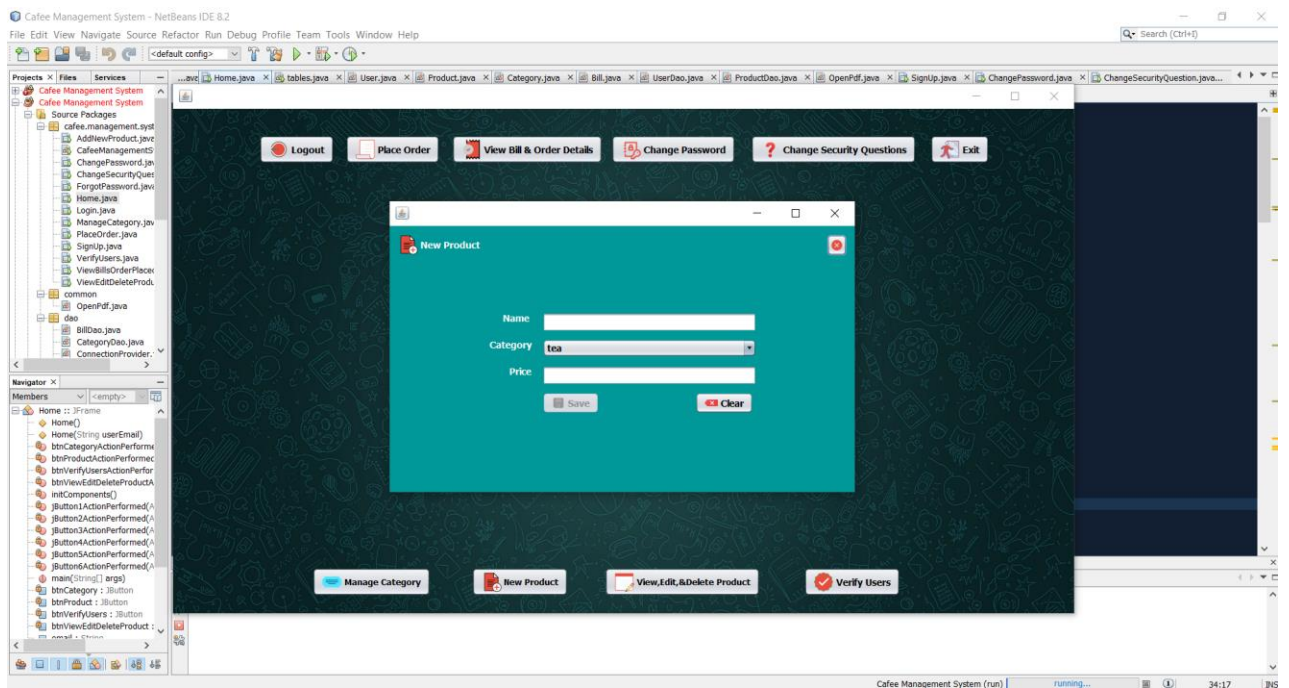


Admin Home Page Special Features:

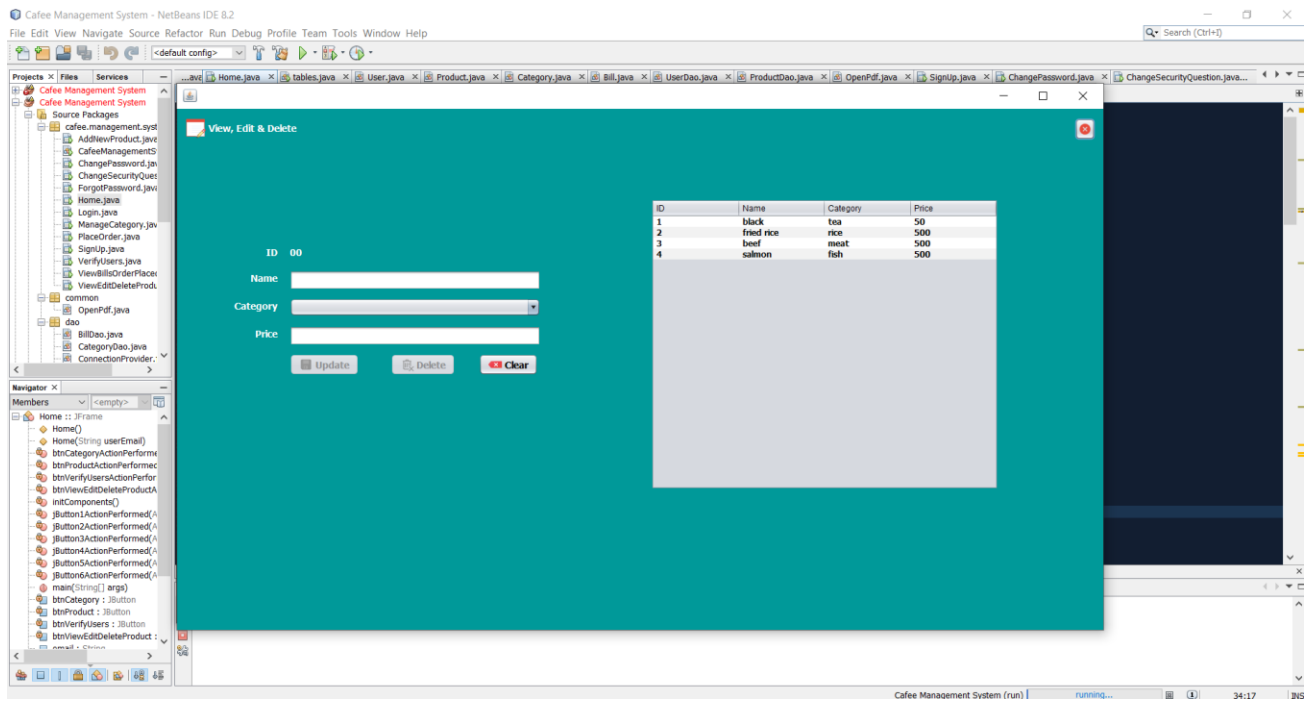
- **Manage Category:**



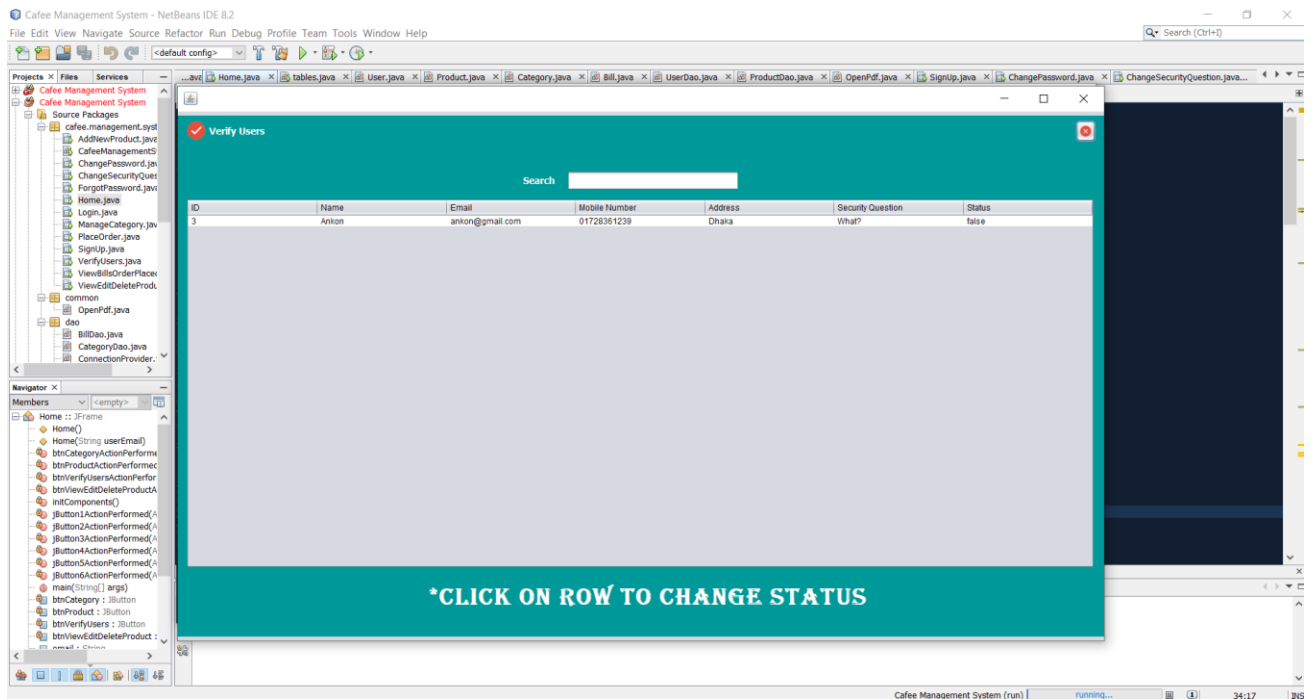
- **Add New Product**



- **View, Edit Or Delete Product**

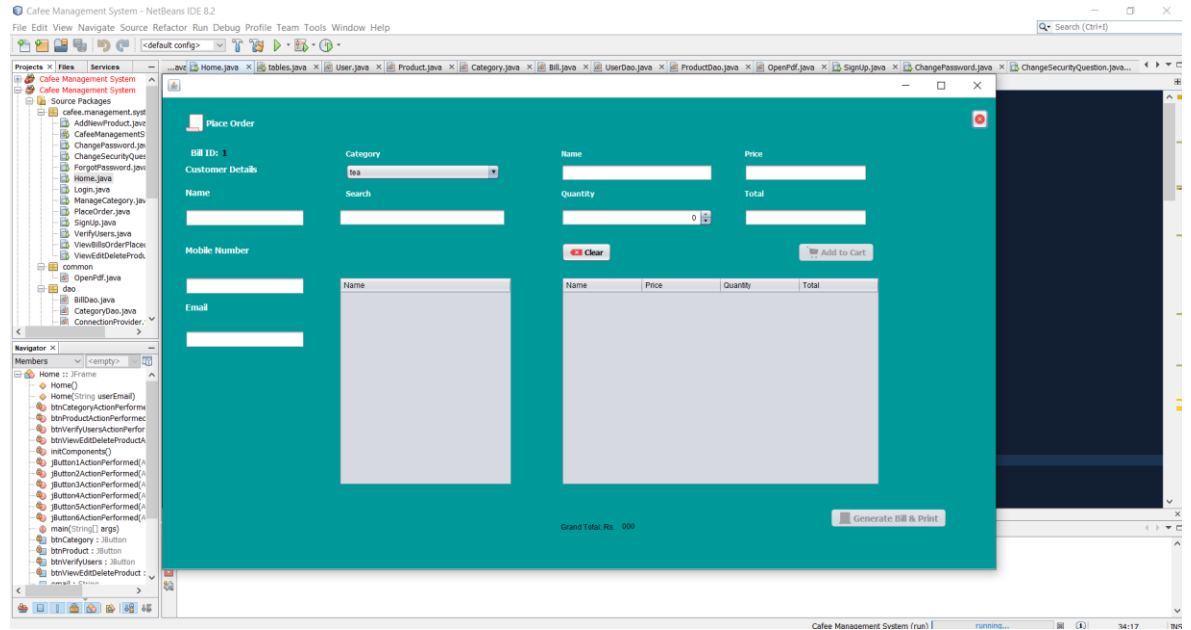


- **Verify Users**

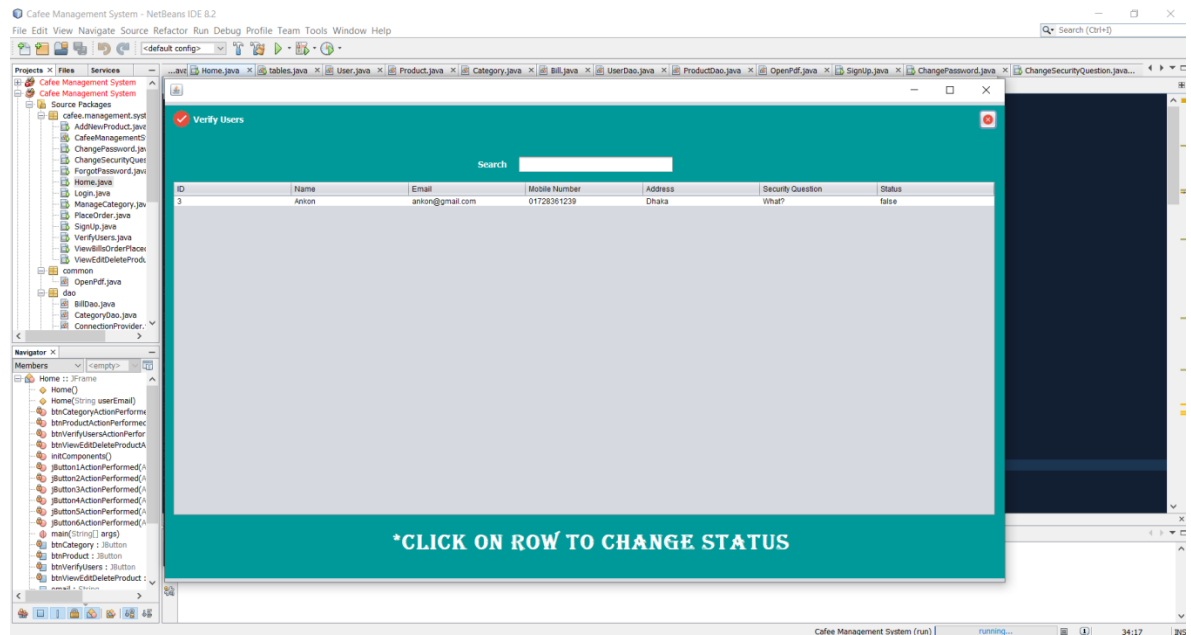


Features For Both Admin & User:

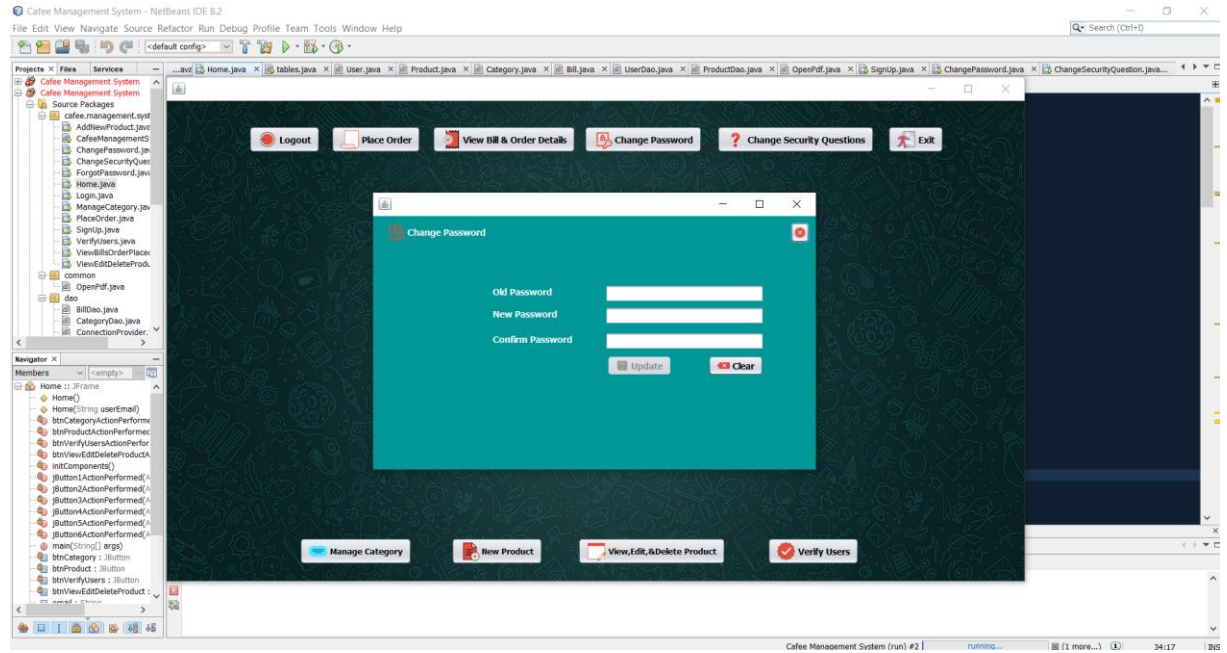
- **Place Order**



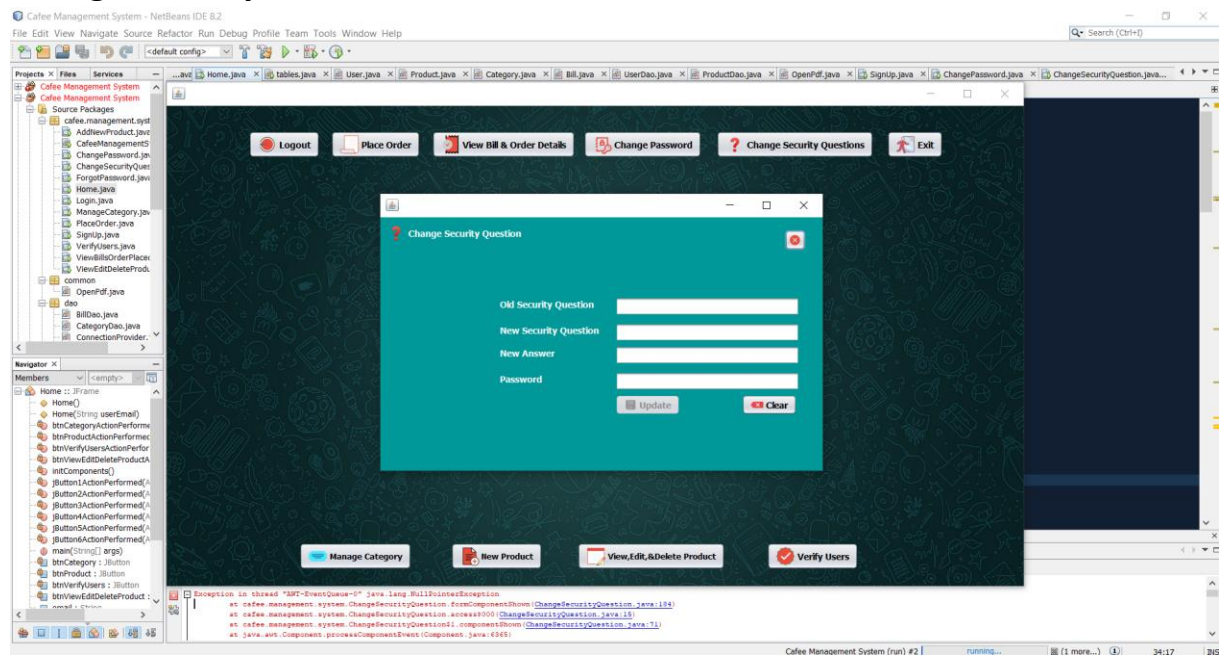
- **View Bills & Order Details**



- **Change Password:**



- **Change Security Question:**



6. Database:

We connect the whole system into a Database. We have used MySQL Database for this system. We have divided database into many table for our project in a few parts. They are:

- Bill
- Category
- Product
- User

```
MySQL 8.0 Command Line Client - Unicode
mysql> use c1;
Database changed
mysql> show tables;
+-----+
| Tables_in_c1 |
+-----+
| bill          |
| category      |
| product       |
| user          |
+-----+
4 rows in set (0.05 sec)

mysql> select *from bill;
+----+-----+-----+-----+-----+-----+-----+
| id | name | mobileNumber | email | date | total | createdBy |
+----+-----+-----+-----+-----+-----+-----+
| 1  | khaled | 01234567890 | khaled@gmail.com | 16-03-2022 | 50 | null |
+----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select *from category;
+----+-----+
| id | name |
+----+-----+
| 1  | tea  |
| 2  | rice |
| 3  | meat |
| 4  | fish |
+----+-----+
4 rows in set (0.00 sec)

mysql> select *from product;
+----+-----+-----+-----+
| id | name | category | price |
+----+-----+-----+-----+
| 1  | black | tea      | 50    |
| 2  | fried | rice     | 500   |
| 3  | beef  | meat     | 500   |
| 4  | salmon | fish     | 500   |
+----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select *from user;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | name | email | mobileNumber | address | password | securityQuestion | answer | status |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1  | admin | admin@gmail.com | 01234567890 | Bangladesh | admin | what primary school did you attend? | ABC | true |
| 3  | Ankon | ankon@gmail.com | 01728361239 | Dhaka | 789 | What? | Nothing | true |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
```

7. Other Features:

We have used buttons to login, signup, logout, forget password, clear, save, search, back, exit. These buttons are used to perform some specific action in the system.

Future Plan:

- In future we want to convert our project into cloud database. The reason behind this conversion is to have lower software cost, improve performance, fewer maintenance issue, instant software updates and increased data safety.
- We want to add new feature like in forget password system, we will connect it through email for two step verification.
- We may create new features like online home delivery. We see it became very helpful in this pandemic situation.
- In future we will add new more features to make it more perfect & useful at the same time.
- We want to build more software like this to make our life easy & comfortable.