

Project Documentation

Project Management Plan

Customer Management System aims to insert,update,delete and list the customer details.The system deals with three user profiles:admin,manager,employee where admin can insert,update,delete and can view all the customer details,manager can add and view the details and employee can only view the customer details.

Requirements Specifications

The main requirement of the system is to manage the customer details.

Analysis

Customer Management System aims to manage the details of the customer. It consists of mainly four functionalities:

Adding Customer Details:

Adding the customer details by administrator and manager. Details includes Customer name,address,email,phoneno.

Updating the Customer Details:

Administrator can update the details of customer.

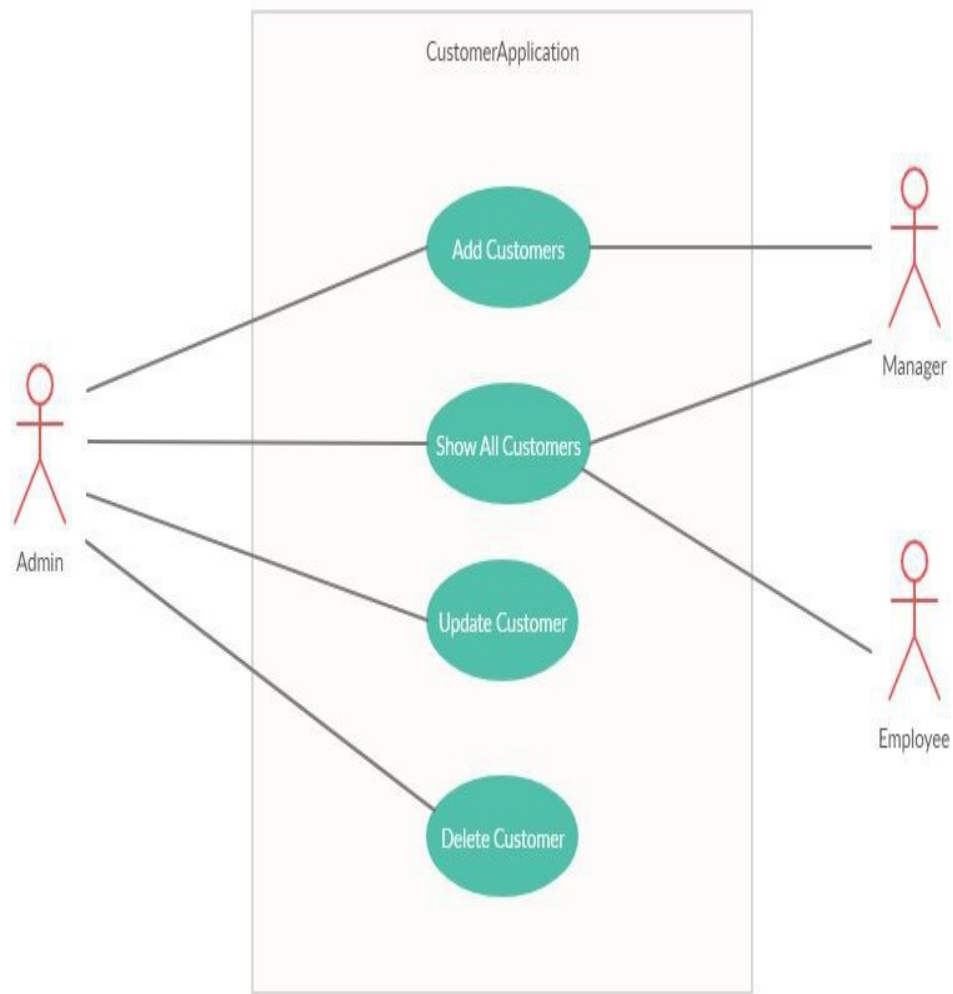
Deleting the Customer Details:

Administrator can delete the customer record.

Viewing the Customer Details:

Administrator,Manager and employee can view the customer details.

Use Case Diagram:



Design

Backend database of Customer Management System is hibernate.

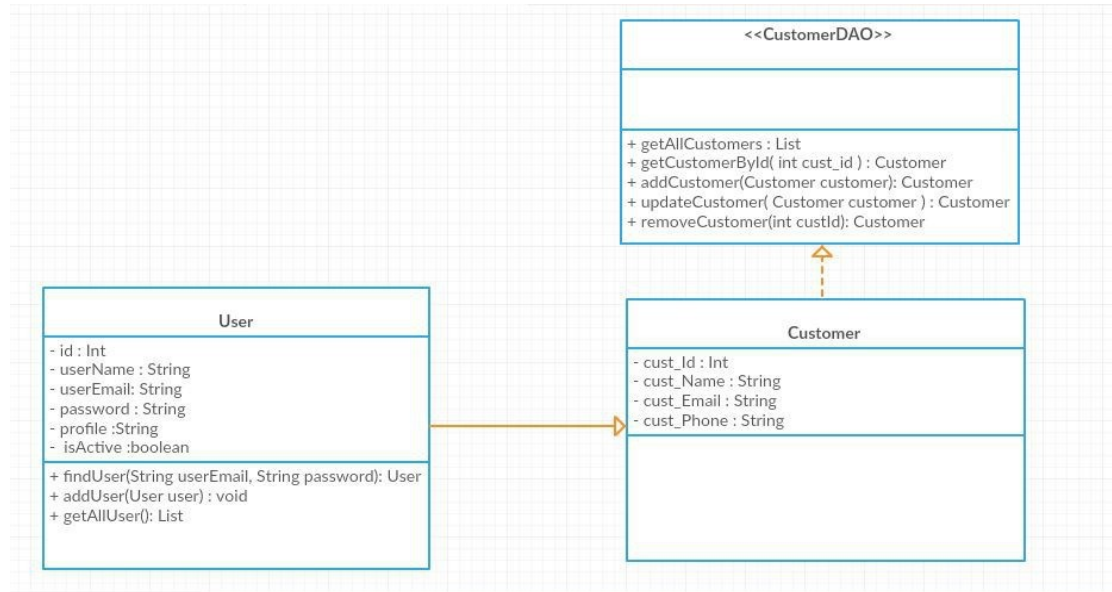
It consists of two relational tables:users and customers

User Entity:

This entity contains the properties:name,username,password,email,profile of the user and the boolean flag isactive. Username and password is used to login to the system.

User profiles can be administrator,employee and manager.

Class Diagram



Implementation

The system is implemented using spring framework and hibernate. Front end of the system is implemented by Bootstrap.

This contains the following modules:

1.Login module:

User logs into the system using username and password. He/She views the system according to his profile.

Enter Login!!Details

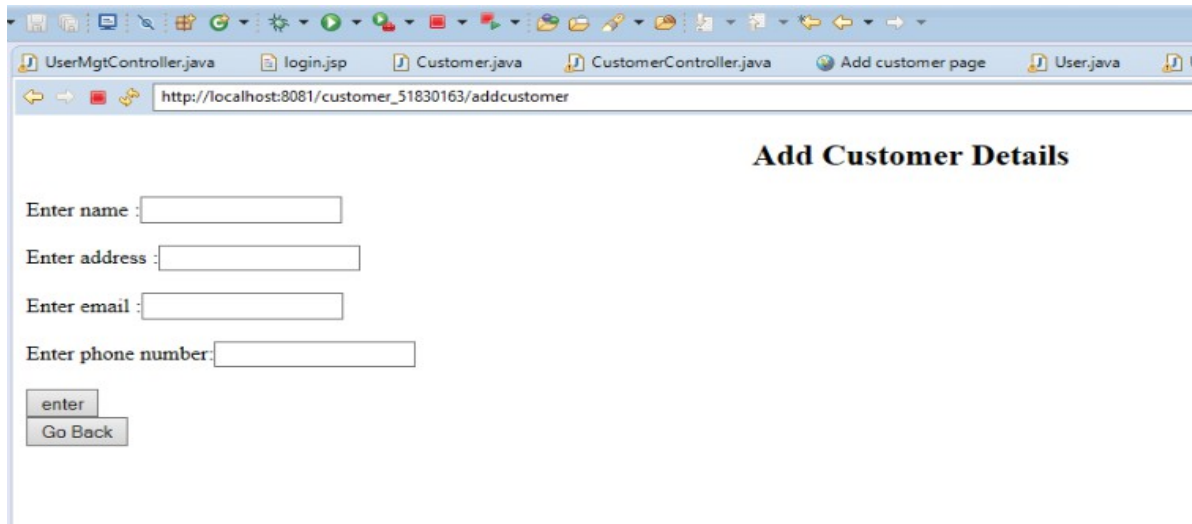
Enter email

Enter password

login

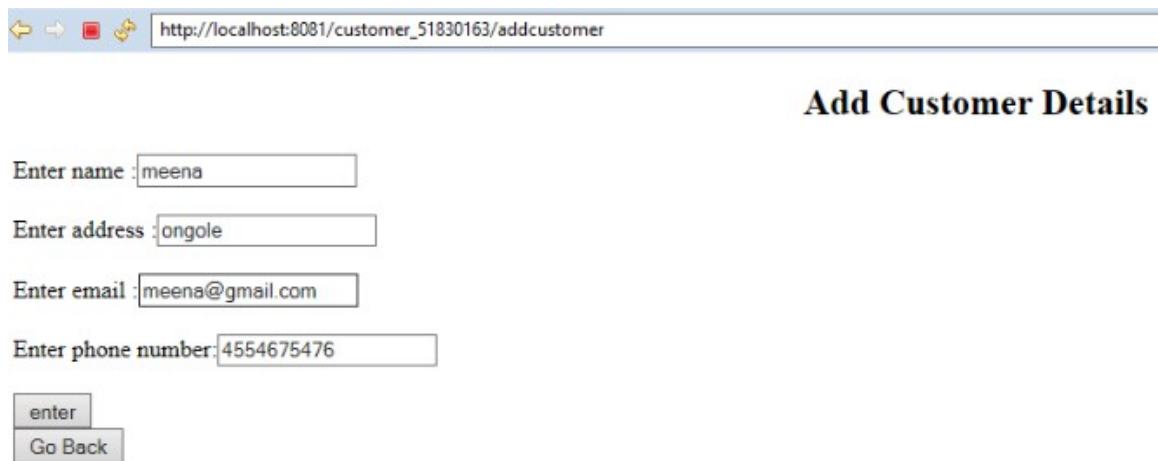
2.Adding Customer module:

Name,address,email,phonenumber of the customer are added to the system. Administrator can add the details.



The screenshot shows a web browser window within an IDE. The browser's address bar displays `http://localhost:8081/customer_51830163/addcustomer`. The IDE's toolbar at the top includes files like `UserMgtController.java`, `login.jsp`, `Customer.java`, `CustomerController.java`, `Add customer page`, and `User.java`. The web page itself has the title **Add Customer Details** and contains four input fields with labels: "Enter name :", "Enter address :", "Enter email :", and "Enter phone number:". Below these fields are two buttons: "enter" and "Go Back".

Entering the details:



This screenshot shows the same web form as the previous one, but with data entered into the input fields. The address bar still shows `http://localhost:8081/customer_51830163/addcustomer`. The form fields now contain: "meena" for name, "ongole" for address, "meena@gmail.com" for email, and "4554675476" for the phone number. The "enter" and "Go Back" buttons remain at the bottom.

hii!welcome nandu

[logout](#)

id	name	address	email	phone number	update	delete
1	meena	ongole	meena@gmail.com	4554675476	update	delete
2	srinu	throvagunta	srinu@gmail.com	3423534698	update	delete

[addcustomer](#)

3.Deleting Customer module:

Administrator can delete the customer record. Record with customer id 2 is deleted.

hii!welcome nandu

[logout](#)

id	name	address	email	phone number	update	delete
1	meena	ongole	meena@gmail.com	4554675476	update	delete

[addcustomer](#)

4.Updating Customer module:

Administrator updates the customer details. Address of Customer with id 1 is updated.



5.Screenshots of customer_table165 and user_table3.

```
mysql> select *from user_table3;
+-----+-----+-----+-----+-----+-----+
| id | active | email          | name  | password | profile |
+-----+-----+-----+-----+-----+-----+
| 1 | 1 | nandu@gmail.com | nandu | nandu123 | admin  |
| 2 | 1 | venky@gmail.com | venky | venky123 | mgr    |
| 3 | 1 | gunika@raj.com  | gunika | gunika123 | emp    |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from customer_table165;
+-----+-----+-----+-----+-----+
| id | address | email          | name  | phoneno |
+-----+-----+-----+-----+-----+
| 1 | guntur  | meena@gmail.com | meena | 4554675476 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Conclusion

The Customer Management Application is designed to manage the details of the customer, which gives the provision to add, update, remove and view the customer details as per the status of the user profile.