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,email, phoneno,address and salary.

Updating the Customer Details:
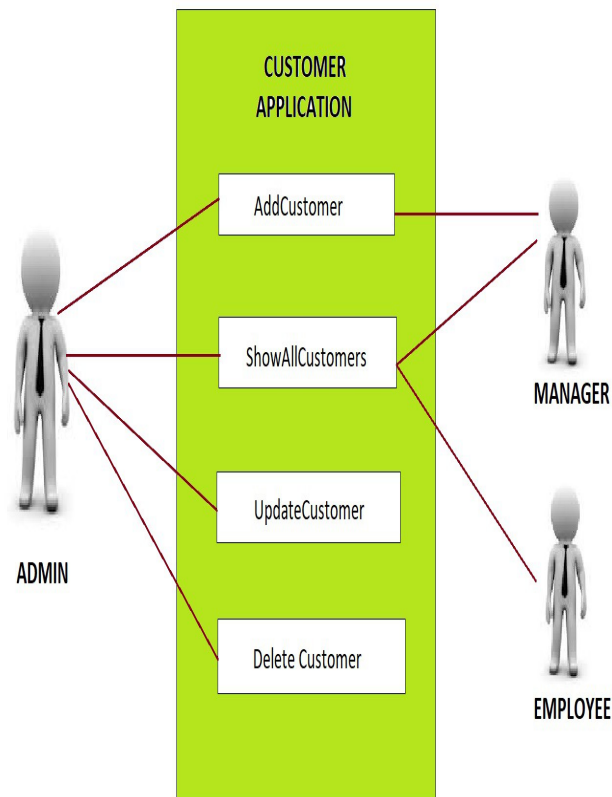Administrator can update the details of customer.

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

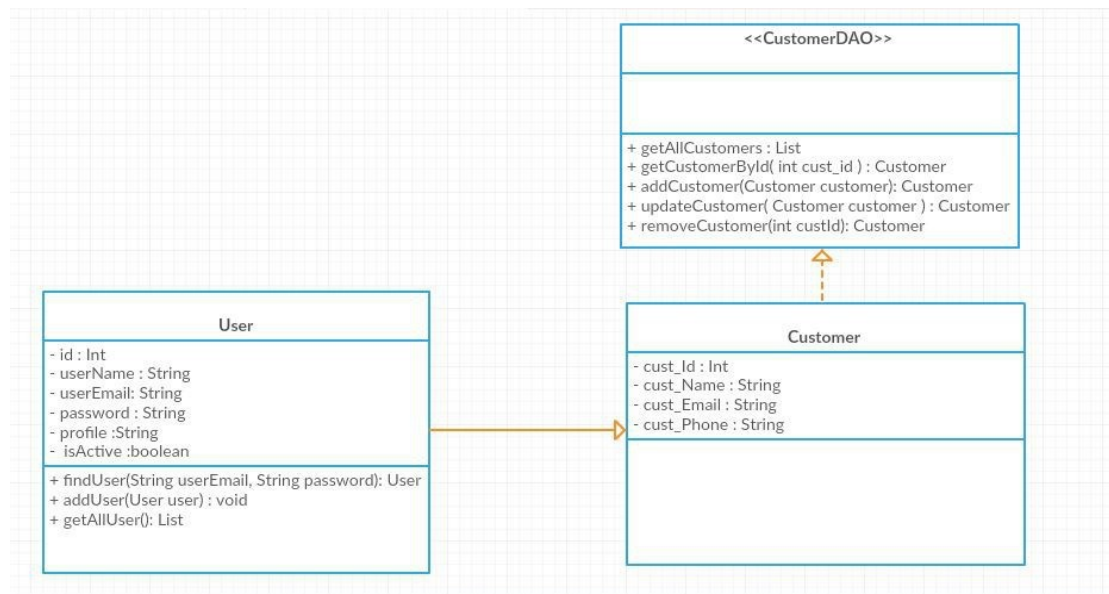Backend database of Customer Management System is hibernate.
It consists of two relational tables:users and customers
User Entity:

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:

Login module:

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

Adding Customer module:

Name, Email, Phoneno, Address, Salary of the customer are added to the system. Administrator can add the details.

Enter name: naveeda

Enter email: naveeda@gmail.com

Enter phoneno: 987654321

Enter address: Hyderabad

Enter salary: 98000 ×

Submit Query

Welcome pandu!

logout

id	name	email	phoneno	address	salary	update	delete
1	sweety	sweety@s	9666551708	Ongole	100000.0	update	delete
3	mahesh	mahi@12	9542321066	Chennai	200000.0	update	delete
7	swathi	swathi@gmail.com	9876453218	Vijayawada	90000.0	update	delete
9	naveeda	naveeda@gmail.com	987654321	Hyderabad	98000.0	update	delete

addcustomer

Deleting Customer module:

Administrator can delete the customer record. Record with customer id 7 is deleted.

Welcome pandu!

logout

id	name	email	phoneno	address	salary	update	delete
1	sweety	sweety@s	9666551708	Ongole	100000.0	update	delete
3	mahesh	mahi@12	9542321066	Chennai	200000.0	update	delete
9	naveeda	naveeda@gmail.com	987654321	Kerala	98000.0	update	delete

addcustomer

Updating Customer module:

Administrator updates the customer details. Address of Customer with id 9 is updated.

Welcome pandu!

logout

id	name	email	phoneno	address	salary	update	delete
1	sweety	sweety@s	9666551708	Ongole	100000.0	update	delete
3	mahesh	mahi@12	9542321066	Chennai	200000.0	update	delete
7	swathi	swathi@gmail.com	9876453218	Vijayawada	90000.0	update	delete
9	naveeda	naveeda@gmail.com	987654321	Kerala	98000.0	update	delete

addcustomer

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.