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:

1. **Adding Customer Details:**

Adding the customer details by administrator and manager. Details includes Customer name,mobile,email,address,salary,employee type.

2. **Updating the Customer Details:**

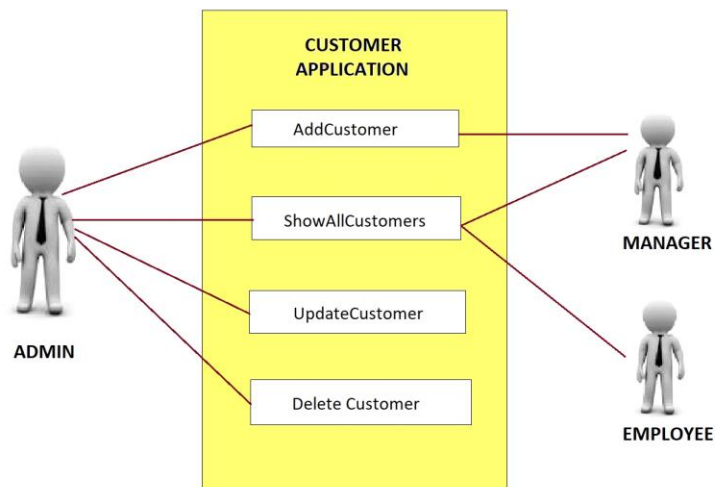Administrator can update the details of customer.

3. **Deleting the Customer Details:**

Administrator can delete the customer record.

4. **Viewing the Customer Details:**

Administrator,Manager and employee can view the customer details.
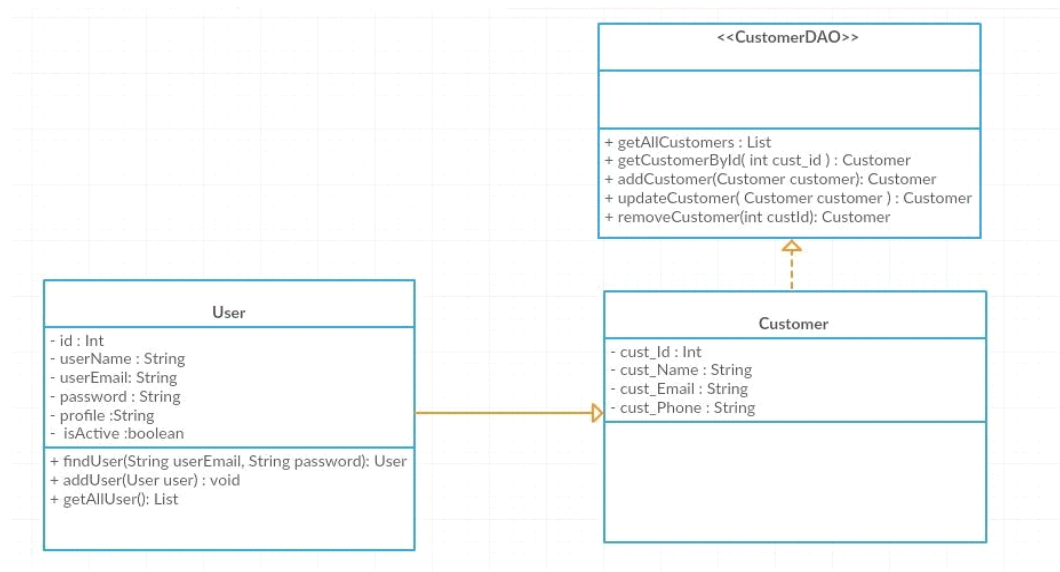
Use Case Diagram:

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,the boolean flag isactive and the type of employee. 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.

2) Adding Customer module:

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

Welcome ram!

Logout

id	name	address	email	mobile	salary	employee	update	delete
1	Swathi	Madurai	swathi@r.com	9384742179	30000.0	Worker	update	delete
2	Arjun	Bangalore	arjun@r.com	7838717868	780000.0	Manager	update	delete
3	Naveeda	Andhra	naaz@r.com	9873968877	100000.0	Worker	update	delete
4	Prathyusha	Guntur	prathyu@r.com	9932714892	60000.0	Worker	update	delete

AddCustomer

Enter Name: Naveeda

Enter Address: Andhra

Enter Email: naaz@r.com

Enter Mobile: 9873968877

Enter Salary: 70000.0

Enter Employee: Worker

Add Customer

3) Deleting Customer module:

Administrator can delete the customer record. Record with customer id 1 is deleted.

Welcome ram!

Logout

id	name	address	email	mobile	salary	employee	update	delete
2	Arjun	Bangalore	arjun@r.com	7838717868	780000.0	Manager	update	delete
3	Naveeda	Andhra	naaz@r.com	9873968877	100000.0	Worker	update	delete
4	Prathyusha	Guntur	prathyu@r.com	9932714892	60000.0	Worker	update	delete

AddCustomer

4) **Updating Customer module:**

Administrator updates the customer details. Salary of Customer with id 3 is updated.

Welcome ram!

Logout

id	name	address	email	mobile	salary	employee	update	delete
2	Arjun	Bangalore	arjun@r.com	7838717868	780000.0	Manager	update	delete
3	Naveeda	Andhra	naaz@r.com	9873968877	70000.0	Worker	update	delete
4	Prathyusha	Guntur	prathyu@r.com	9932714892	60000.0	Worker	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.