Project Documentation

Project Management Plan:

Customer Management System aims to insert, update, delete and show all the customer details. The system deals with three user profiles namely,

1. Administrator
2. Manager
3. Employee

where

admin can insert, update, delete and show all the Customer details.

Manager can insert and show the Customer details.

Employee can view only the Customer details.

Requirement Specifications:

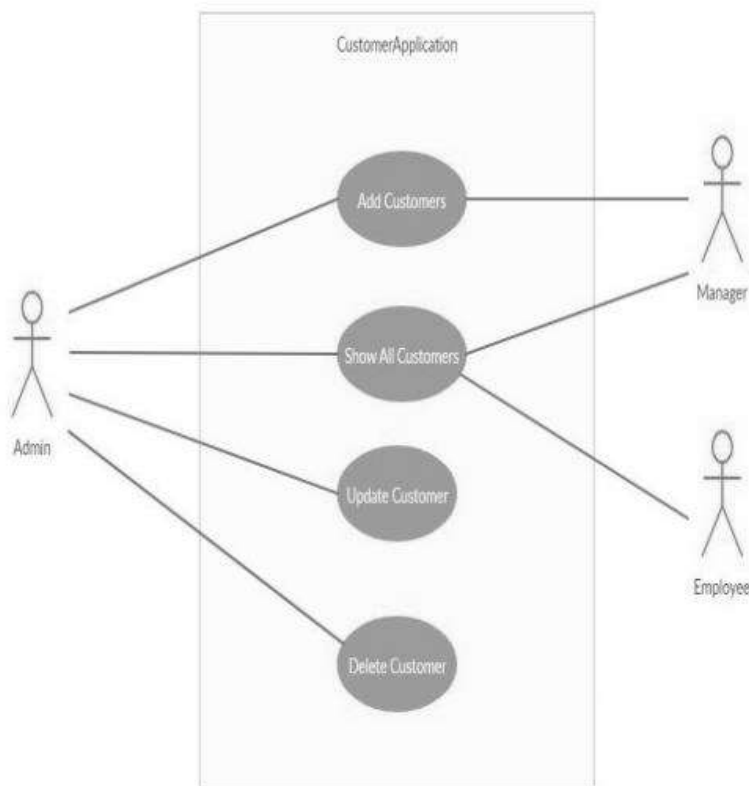The main requirement of the system is to manage the Customer details.

Analysis:

Customer Management System aims to manage the details of the Customer.

It consists of four functionalities namely

1. Adding Customer Details: Administrator and Manager can add the customer details. Details includes Customer name, mobile, email, marital status and title.
2. Updating Customer Details: Administrator can update the details of Customer.
3. Deleting Customer Details: Administrator can delete the customer record.
4. Viewing Customer Details: Administrator, Manager and Employee can view the customer details.

Use Diagram:

Design:

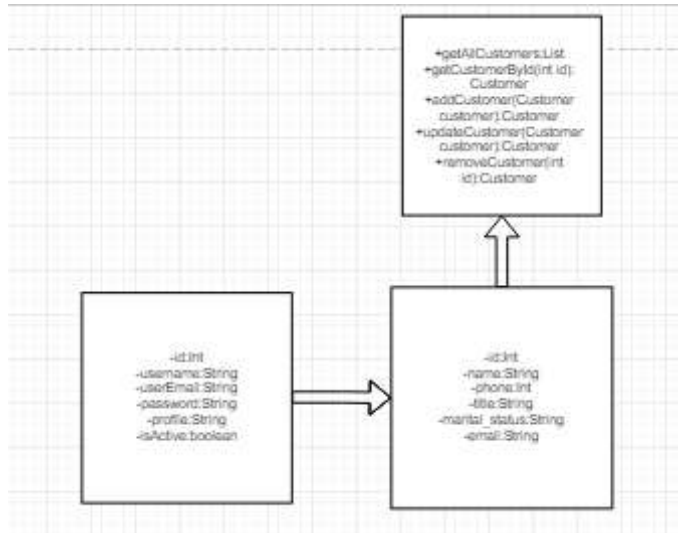Backend database of Customer Management System is Hibernate.

It consists of two relational tables: Users and Customers Entity.

This entity contains the properties:

      1.Username

      2.Password

      3.Email

      4.Profile (Administrator, Manager and Employee) the boolean flag isactive.

Username and password are used to login to the system. User profiles can be administrator, employee and manager.

User Class, Customer Class and CustomerDao interface are given in the following 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. User views the system according to his/her profile.

Adding the Customer:

Here I am adding a new customer.

http://localhost:8081/Customer/allcustomers

welcome raj
logout

id	name	title	marital_status	email	phone		
1	raj	CEO	married	abc@gmail.com	78	update	delete
2	t	reporting manager	married	jk@yahoo.com	11	update	delete
3	karthick	software developer	unmarried	karth@gmail.com	88	update	delete

addcustomer

http://localhost:8081/Customer/allcustomers

welcome raj
logout

id	name	title	marital_status	email	phone		
1	raj	CEO	married	abc@gmail.com	78	update	delete
2	t	reporting manager	married	jk@yahoo.com	11	update	delete
3	karthick	software developer	unmarried	karth@gmail.com	88	update	delete
4	guru	manager	unmarried	guru@gmail.com	7967	update	delete

addcustomer

Updating the Customer:

Here I am update the customer with id=2

http://localhost:8081/Customer/allcustomers

welcome raj
logout

id	name	title	marital_status	email	phone		
1	raj	CEO	married	abc@gmail.com	78	update	delete
2	thamarai	reporting manager	married	jk@yahoo.com	11	update	delete
3	karthick	software developer	unmarried	karth@gmail.com	88	update	delete
4	guru	manager	unmarried	guru@gmail.com	7967	update	delete

addcustomer

Deleting the Customer:

Here I am deleting the customer with id=2

http://localhost:8081/Customer/allcustomers

welcome raj
logout

id	name	title	marital_status	email	phone		
1	raj	CEO	married	abc@gmail.com	78	update	delete
3	karthick	software developer	unmarried	karth@gmail.com	88	update	delete
4	guru	manager	unmarried	guru@gmail.com	7967	update	delete

addcustomer

Show all Customers:

http://localhost:8081/Customer/allcustomers

welcome gunika
logout

id	name	title	marital_status	email	phone
1	raj	CEO	married	abc@gmail.com	78
3	karthick	software developer	unmarried	karth@gmail.com	88
4	guru	manager	unmarried	guru@gmail.com	7967

Conclusion:

The Customer Management Application is designed to manage the details of the Customers, which gives the provision to add, update, remove and view all the Customer details as per the status of the user profile whether user is admin, manager or employee.