

SRS DOCUMENT

ONLINE BANKING PROJECT

Introduction

Online Banking enables customers to access their accounts and get information of their accounts and different products and services provided by the bank without actually visiting the bank.

In our project some customers are provided with a User ID and Password and others can register while opening an account. The customer can login with these details and he/she can access their various accounts and can also update or view their profile. The customer can also view balance in their accounts and make withdraws, deposit or pay EMI.



Customers can enquire about an account and also about the interest on the account.






Implementation

In this project we will be accomplishing the following tasks:


1. User Login / Registration
2. Viewing / Updating customer / employee information
3. Employee Login
4. Account creation(opening) / deletion (closing)
5. Account access for different types of accounts (Savings, checking, Loan)
6. Access to Account, Customer and Employee Logs
 - Account and Customer logs (By employees only)
 - Employee Logs (Bank Admin/Owner login only)
7. Transactions (like Withdraw, Deposit, Pay EMI, Wire Transfer)

Database Tables

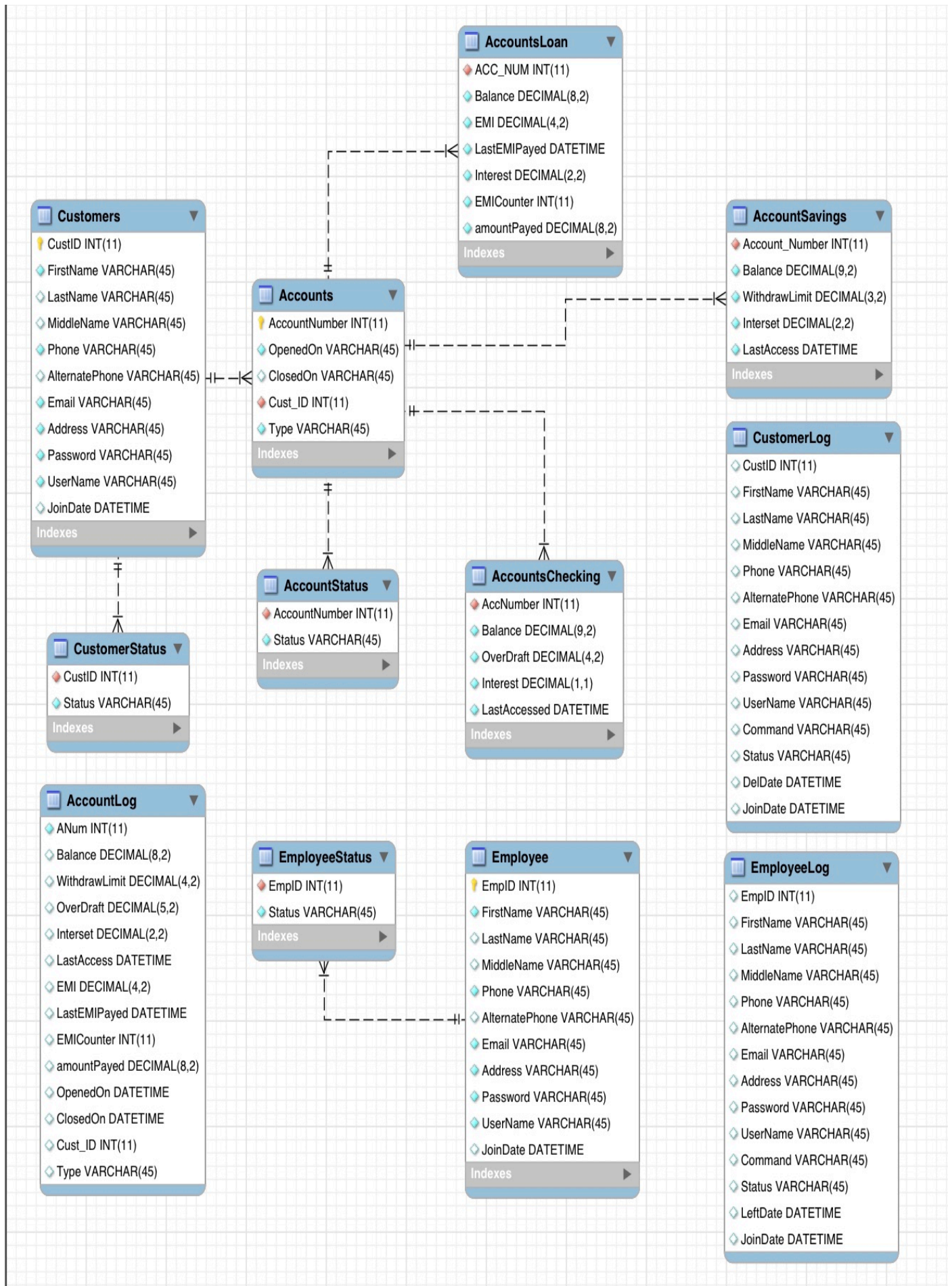
<div>  Customers </div> <ul style="list-style-type: none">  CustID INT(11)  FirstName VARCHAR(45)  LastName VARCHAR(45)  MiddleName VARCHAR(45)  Phone VARCHAR(45)  AlternatePhone VARCHAR(45)  Email VARCHAR(45)  Address VARCHAR(45)  Password VARCHAR(45)  UserName VARCHAR(45)  JoinDate DATETIME 	PRIMARY KEY : CustID
<div>  AccountsChecking </div> <ul style="list-style-type: none">  AccNumber INT(11)  Balance DECIMAL(9,2)  OverDraft DECIMAL(4,2)  Interest DECIMAL(1,1)  LastAccessed DATETIME 	FOREIGN KEY: AccNumber ON TABLE: Accounts
<div>  Accounts </div> <ul style="list-style-type: none">  AccountNumber INT(11)  OpenedOn VARCHAR(45)  ClosedOn VARCHAR(45)  Cust_ID INT(11)  Type VARCHAR(45) 	PRIMARY KEY : AccountNumber FOREIGN KEY: Cust_ID ON TABLE: Customers
<div>  AccountStatus </div> <ul style="list-style-type: none">  AccountNumber INT(11)  Status VARCHAR(45) 	FOREIGN KEY: AccountNumber ON TABLE: Accounts

<div>  AccountSavings ▼ </div> <ul style="list-style-type: none"> Account_Number INT(11) Balance DECIMAL(9,2) WithdrawLimit DECIMAL(3,2) Interaset DECIMAL(2,2) LastAccess DATETIME 	FOREIGN KEY: Account_Number ON TABLE: Accounts
<div>  AccountsLoan ▼ </div> <ul style="list-style-type: none"> ACC_NUM INT(11) Balance DECIMAL(8,2) EMI DECIMAL(4,2) LastEMIPayed DATETIME Interest DECIMAL(2,2) EMICounter INT(11) amountPaid DECIMAL(8,2) 	FOREIGN KEY: ACC_NUM ON TABLE: Accounts
<div>  EmployeeStatus ▼ </div> <ul style="list-style-type: none"> EmpID INT(11) Status VARCHAR(45) 	FOREIGN KEY: EmpID ON TABLE: Employee
<div>  AccountLog ▼ </div> <ul style="list-style-type: none"> ANum INT(11) Balance DECIMAL(8,2) WithdrawLimit DECIMAL(4,2) OverDraft DECIMAL(5,2) Interaset DECIMAL(2,2) LastAccess DATETIME EMI DECIMAL(4,2) LastEMIPayed DATETIME EMICounter INT(11) amountPaid DECIMAL(8,2) OpenedOn DATETIME ClosedOn DATETIME Cust_ID INT(11) Type VARCHAR(45) 	NA
<div>  CustomerStatus ▼ </div> <ul style="list-style-type: none"> CustID INT(11) Status VARCHAR(45) 	FOREIGN KEY: CustID ON TABLE: Customer

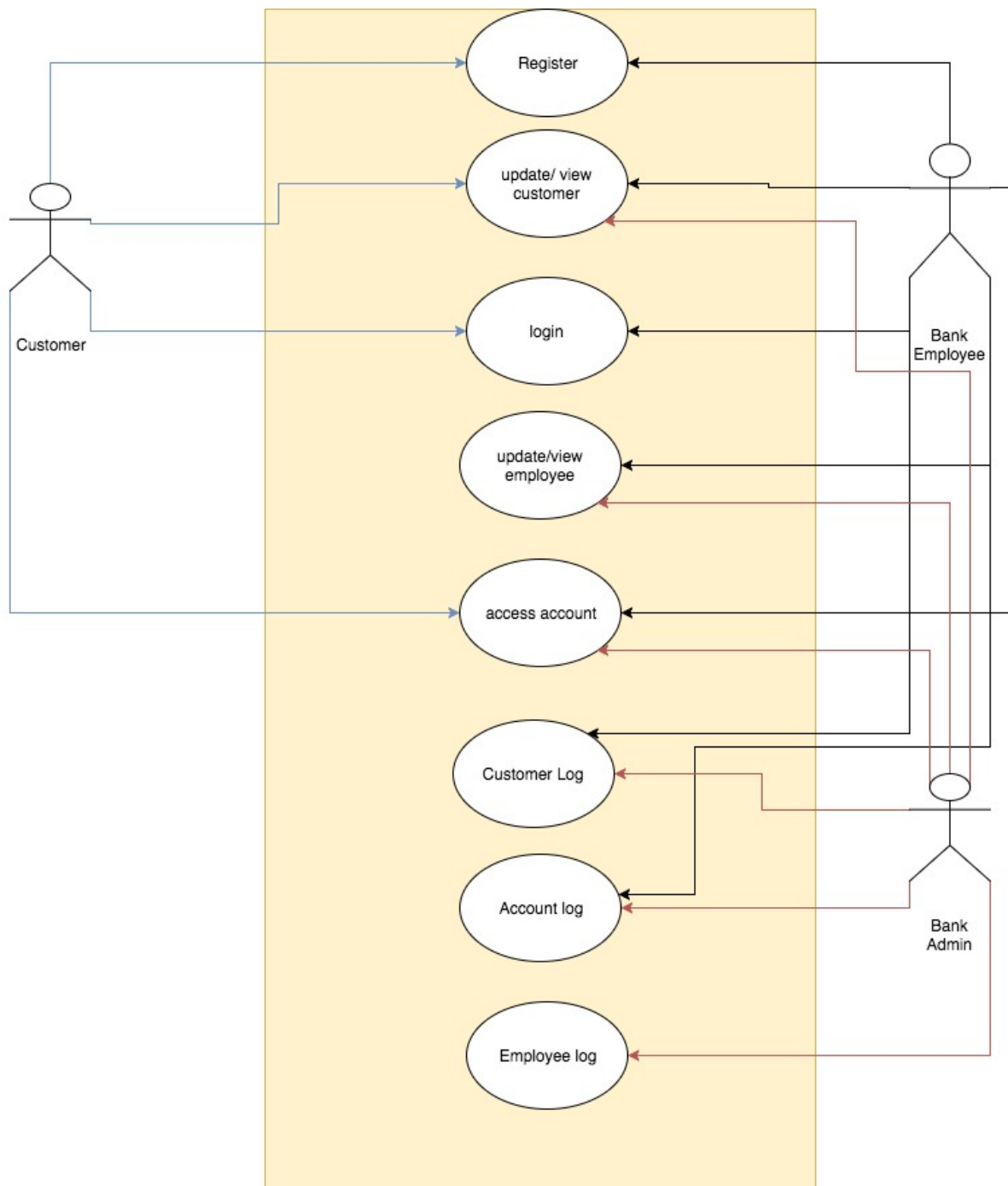
<div><div>EmployeeLog ▼</div><ul style="list-style-type: none">EmpID INT(11)FirstName VARCHAR(45)LastName VARCHAR(45)MiddleName VARCHAR(45)Phone VARCHAR(45)AlternatePhone VARCHAR(45)Email VARCHAR(45)Address VARCHAR(45)Password VARCHAR(45)UserName VARCHAR(45)Command VARCHAR(45)Status VARCHAR(45)LeftDate DATETIMEJoinDate DATETIME</div>	NA
<div><div>Employee ▼</div><ul style="list-style-type: none">EmpID INT(11)FirstName VARCHAR(45)LastName VARCHAR(45)MiddleName VARCHAR(45)Phone VARCHAR(45)AlternatePhone VARCHAR(45)Email VARCHAR(45)Address VARCHAR(45)Password VARCHAR(45)UserName VARCHAR(45)JoinDate DATETIME</div>	PRIMARY KEY : EmpID

<div><div> CustomerLog ▼</div><div><ul style="list-style-type: none">◆ CustID INT(11)◆ FirstName VARCHAR(45)◆ LastName VARCHAR(45)◆ MiddleName VARCHAR(45)◆ Phone VARCHAR(45)◆ AlternatePhone VARCHAR(45)◆ Email VARCHAR(45)◆ Address VARCHAR(45)◆ Password VARCHAR(45)◆ UserName VARCHAR(45)◆ Command VARCHAR(45)◆ Status VARCHAR(45)◆ DelDate DATETIME◆ JoinDate DATETIME</div></div>	NA
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E-R Diagram



Use Case Diagram



We will have 3 primary actors for this project

1. Admin / Bank Owner:

Acting upon :

- Create, view, update, delete customer / employee
- Access all accounts
- View logs for Accounts, Customers and Employees

2. Bank Employee

Acting upon :

- Create, view, update customer

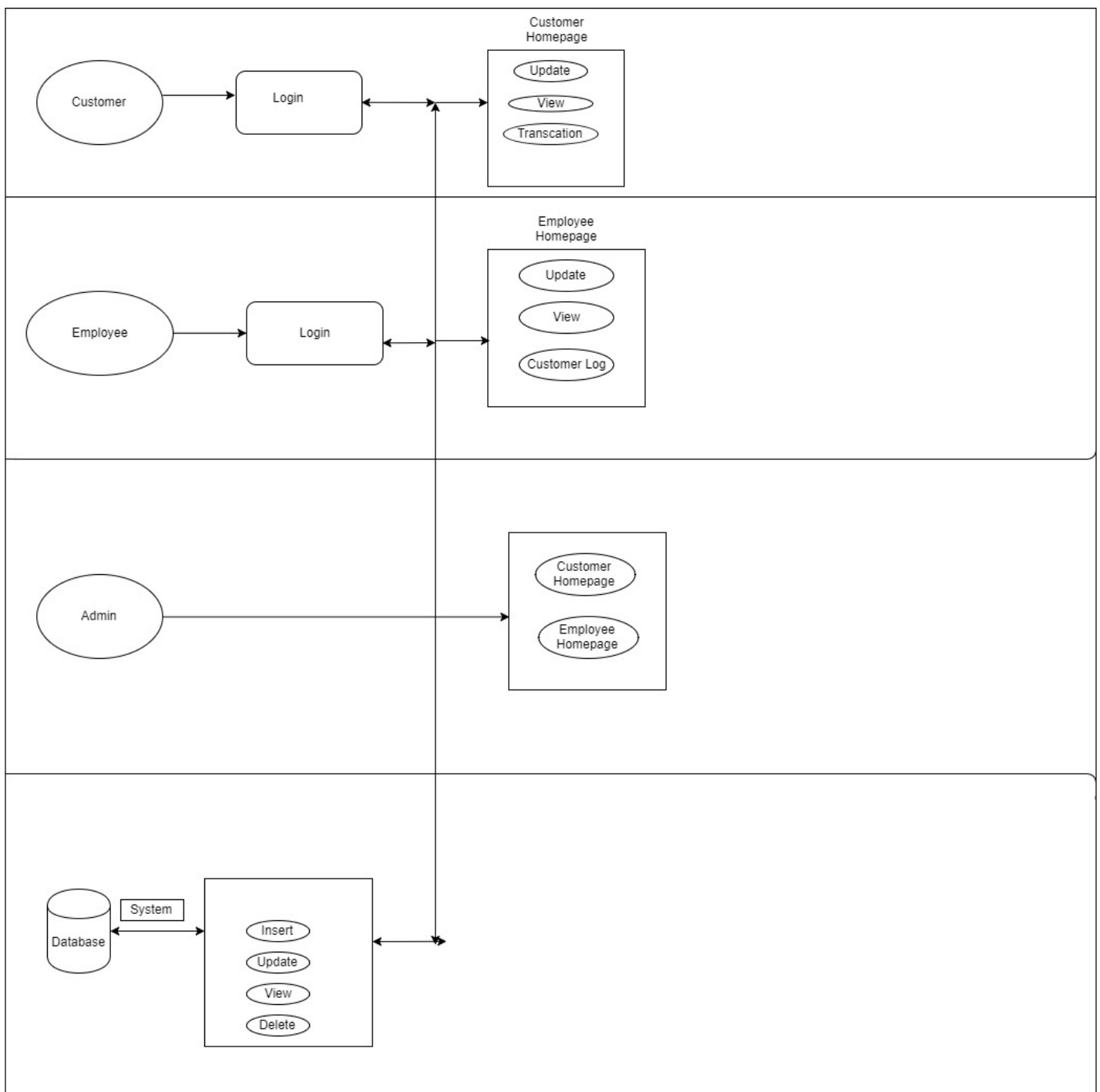
- Access all accounts
- View logs for Accounts and Customers

3. Bank Customer

Acting upon :

- Create, view, update, delete customer
- Access their accounts

HIGH LEVEL DATA FLOW DIAGRAM



USER INTERFACE

Customer Home Page

view full Profile

Name Of Customer

Account No

Account No

Last Login Date

Balance

Balance

Logout

Employee Home Page

Name of Employee

Last Login

Search Customer

View Profile

View Customer Log

Update Profile

Logout

Welcome page	
Login	Register
User Name <input type="text"/>	First Name <input type="text"/>
Password <input type="text"/>	Last Name <input type="text"/>
<input type="button" value="Customer"/> <input type="button" value="Employee"/> <input type="button" value="Reset"/>	Middle Name <input type="text"/>
	Phone <input type="text"/>
	Alternate Phone <input type="text"/>
	Email <input type="text"/>
	Address <input type="text"/>
	Password <input type="text"/>
	UserName <input type="text"/>
	Join Date <input type="text"/>
	<input type="button" value="Customer"/> <input type="button" value="Reset"/>

Account Page

acc number	balance
deposit	close account
withdraw	interest rate
Pay EMI (only in loan acc)	back to ur account

logout