package org;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.time.LocalDateTime;

import java.time.format.DateTimeFormatter;

import java.util.ArrayList;

import java.util.List;

public class CustomerImp implements CustomerDao{

Connection con=null;

Statement st=null;

ResultSet rs=null;

private Connection getConnection() throws SQLException{

Connection conn;

conn= ConnectionFactory.getInstance().getConnection();

return conn;

}

public void viewprofile(String un,String pass)

{

try

{

con=getConnection();

String query="select \* from customer where customer\_username='"+un+"' and customer\_password='"+pass+"'";

Statement st=(Statement) con.createStatement();

ResultSet rs=((java.sql.Statement) st).executeQuery(query);

while(rs.next())

{

System.out.println(rs.getString("customer\_id"));

System.out.println(rs.getInt("customer\_ac\_no"));

System.out.println(rs.getString("customer\_name"));

System.out.println(rs.getString("customer\_dob"));

System.out.println(rs.getString("customer\_email"));

System.out.println(rs.getLong("customer\_phone"));

System.out.println(rs.getLong("customer\_aadhar"));

System.out.println(rs.getString("customer\_pan"));

//System.out.println(rs.getString("customer\_username"));

//System.out.println(rs.getString("customer\_id"));

System.out.println(rs.getInt("customer\_loan"));

System.out.println(rs.getString("customer\_branch\_ifsc"));

System.out.println(rs.getString("customer\_ac\_id"));

System.out.println(rs.getInt("balance"));

}

con.close();

}

catch(Exception e)

{

System.out.println(e);

}

}

public List viewallCustomer()

{ List<Customer>ls = new ArrayList<Customer>();

try

{

con=getConnection();

String query="select \* from customer";

Statement st=(Statement) con.createStatement();

ResultSet rs=((java.sql.Statement) st).executeQuery(query);

while(rs.next())

{

/\*System.out.println(rs.getString("customer\_id"));

System.out.println(rs.getInt("customer\_ac\_no"));

System.out.println(rs.getString("crs.getStustomer\_name"));

System.out.println(rs.getString("customer\_dob"));

System.out.println(rs.getString("customer\_email"));

System.out.println(rs.getLong("customer\_phone"));

System.out.println(rs.getLong("customer\_aadhar"));

System.out.println(rs.getString("customer\_pan"));

//System.out.println(rs.getString("customer\_username"));

//System.out.println(rs.getString("customer\_id"));

System.out.println(rs.getInt("customer\_loan"));

System.out.println(rs.getString("customer\_branch\_ifsc"));

System.out.println(rs.getString("customer\_ac\_id"));

System.out.println(rs.getInt("balance"));\*/

ls.add(new Customer(rs.getString("customer\_id"),rs.getInt("customer\_ac\_no"),rs.getString("Customer\_name"),rs.getString("customer\_dob"),rs.getString("customer\_email"),rs.getLong("customer\_phone"),rs.getLong("customer\_aadhar"),rs.getString("customer\_pan"),rs.getString("customer\_loan"),rs.getString("customer\_branch\_ifsc"),rs.getString("customer\_ac\_id"),rs.getInt("balance")));

}

con.close();

}

catch(Exception e)

{

System.out.println(e);

}

return ls;

}

public int transfer(String un,String pass,int amt,int acc\_no)

{

try

{

con=getConnection();

String query="select balance from customer where customer\_username='"+un+"' and customer\_password='"+pass+"'";

Statement st=(Statement) con.createStatement();

ResultSet rs=st.executeQuery(query);

rs.next();

int balance=rs.getInt(1);

if(balance<500){

System.out.println("you are not able to transfer because amount is low");

}

else{

int bal=balance-amt;

String query1="update customer set balance="+bal+" where customer\_username='"+un+"'";

Statement st1=(Statement) con.createStatement();

st1.executeUpdate(query1);

String query3="select balance from customer where customer\_ac\_no="+acc\_no+"";

Statement st3=(Statement) con.createStatement();

ResultSet rs3=st.executeQuery(query3);

rs3.next();

int balance1=rs3.getInt(1);

int bal1=balance1+amt;

System.out.println(bal1);

String query2="update customer set balance="+bal1+" where customer\_ac\_no="+acc\_no+"";

Statement st2=(Statement) con.createStatement();

st.executeUpdate(query2);

//System.out.println("Balance="+rs.getInt("balance"));

System.out.println("Successfully tranferred");

//Transaction table update

//con=getConnection();

String query4="select customer\_ac\_no from customer where customer\_username='"+un+"' and customer\_password='"+pass+"'";

Statement st4=(Statement) con.createStatement();

ResultSet rs4=((java.sql.Statement) st4).executeQuery(query4);

rs4.next();

int accno=rs4.getInt("customer\_ac\_no");

//credit transaction

String query5="select max(tid) from transaction";

Statement st5=con.createStatement();

ResultSet rs5=st5.executeQuery(query5);

int tempId;

rs5.next();

tempId=rs5.getInt(1);

int tid=tempId+1;

//date

DateTimeFormatter dtf = DateTimeFormatter.ofPattern("yyyy/MM/dd HH:mm:ss");

LocalDateTime now = LocalDateTime.now();

String trans\_date=dtf.format(now);

System.out.println("selected accno");

String query6="insert into transaction values("+tid+",'"+trans\_date+"',"+amt+","+0+","+accno+")";

Statement st6=(Statement) con.createStatement();

st6.executeUpdate(query6);

//Debit transaction

String query7="select max(tid) from transaction";

Statement st7=con.createStatement();

ResultSet rs7=st7.executeQuery(query7);

int tempId1;

rs7.next();

tempId1=rs7.getInt(1);

int tid1=tempId1+1;

//date

DateTimeFormatter dtf1 = DateTimeFormatter.ofPattern("yyyy/MM/dd HH:mm:ss");

LocalDateTime now1 = LocalDateTime.now();

String trans\_date1=dtf1.format(now1);

String query8="insert into transaction values("+tid1+",'"+trans\_date+"',"+0+","+amt+","+acc\_no+")";

Statement st8=(Statement) con.createStatement();

st8.executeUpdate(query8);

System.out.println("transaction update");

}

}

catch(Exception e)

{

System.out.println(e);

}

return 1;

}

public void viewbalance(String un,String pass)

{

try

{

con=getConnection();

String query="select balance from customer where customer\_username='"+un+"' and customer\_password='"+pass+"'";

Statement st=(Statement) con.createStatement();

ResultSet rs=((java.sql.Statement) st).executeQuery(query);

rs.next();

System.out.println("Balance="+rs.getInt("balance"));

}

catch(Exception e)

{

System.out.println(e);

}

}

public void viewAlltransactions()

{

try

{

con=getConnection();

String query="select \* from transaction";

Statement st=(Statement) con.createStatement();

ResultSet rs=st.executeQuery(query);

while(rs.next())

{

System.out.print(rs.getInt("tid")+" ");

System.out.print(rs.getString("trans\_date")+" ");

System.out.print(rs.getInt("credit")+" ");

System.out.print(rs.getInt("debit")+" ");

System.out.print(rs.getInt("acc\_no")+" ");

System.out.println();

}

}

catch(Exception e)

{

System.out.println(e);

}

}

}