6.Transaction

package com.green.bank;

import java.io.IOException;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.green.bank.database.JDBC\_Connect;

import com.green.bank.model.AccountModel;

public class TransferServlet extends HttpServlet {

String account\_no, username, target\_acc\_no, password;

Connection conn;

Statement stmt;

boolean pass\_wrong = false;

int own\_amount, transfer\_amount, recipient\_amount;

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

account\_no = request.getParameter("account\_no");

username = request.getParameter("username");

target\_acc\_no = request.getParameter("target\_acc\_no");

password = request.getParameter("password");

transfer\_amount = Integer.parseInt(request.getParameter("amount"));

try {

JDBC\_Connect connect = new JDBC\_Connect();

conn = connect.getConnection();

stmt = conn.createStatement();

ResultSet rsOwn = stmt.executeQuery("select \* from account where id='" + account\_no + "' and username='"

+ username + "' and password='" + password + "'");

ResultSet rstTarget = stmt.executeQuery("select \* from account where id='" + target\_acc\_no + "'");

if (!rsOwn.isBeforeFirst() && !rstTarget.isBeforeFirst()) {

request.setAttribute("isPassOK", "No");

RequestDispatcher rd = request.getRequestDispatcher("transfer.jsp");

rd.forward(request, response);

} else {

System.out.println("I am in");

ResultSet rs1 = stmt.executeQuery("select \* from amount where id ='" + account\_no + "'");

while (rs1.next()) {

own\_amount = rs1.getInt(2);

}

if (own\_amount >= transfer\_amount) {

own\_amount -= transfer\_amount;

ResultSet rs2 = stmt.executeQuery("select \* from amount where id ='" + target\_acc\_no + "'");

while (rs2.next()) {

recipient\_amount = rs2.getInt(2);

}

recipient\_amount += transfer\_amount;

PreparedStatement ps = conn.prepareStatement("update amount set amount=? where id= ?");

ps.setInt(1, own\_amount);

ps.setString(2, account\_no);

ps.executeUpdate();

PreparedStatement ps1 = conn.prepareStatement("update amount set amount=? where id= ?");

ps1.setInt(1, recipient\_amount);

ps1.setString(2, target\_acc\_no);

ps1.executeUpdate();

conn.close();

RequestDispatcher rd = request.getRequestDispatcher("transfer\_process.jsp");

rd.forward(request, response);

}else{

conn.close();

request.setAttribute("EnoughMoney", "No");

RequestDispatcher rd = request.getRequestDispatcher("transfer.jsp");

rd.forward(request, response);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}