**FlyAway source code**

**Back-end coding**

**Util package**

package com.flyaway.util;

import java.sql.Connection;

import java.sql.SQLException;

public interface ConnectionManager {

public Connection getConnection() throws SQLException;

package com.flyaway.util;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class ConnectionManagerImpl implements ConnectionManager {

public Connection getConnection() throws SQLException{

Connection connection=null;

try {

Class.forName("com.mysql.cj.jdbc.Driver");

connection=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway", "Kalp1992", "Kalp#1992");

System.out.println("Connected");

} catch (ClassNotFoundException e) {

e.printStackTrace();

}

return connection;

}

}

}

**Dto package**

**package** com.flyaway.dto;

**public** **class** User {

**private** String firstName;

**private** String lastName;

**private** String userName;

**private** String password;

**public** User() {

}

**public** User(String userName, String password) {

**this**.userName = userName;

**this**.password = password;

}

**public** User(String firstName, String lastName, String userName, String password) {

**this**.firstName = firstName;

**this**.lastName = lastName;

**this**.userName = userName;

**this**.password = password;

}

**public** String getFirstName() {

**return** firstName;

}

**public** **void** setFirstName(String firstName) {

**this**.firstName = firstName;

}

**public** String getLastName() {

**return** lastName;

}

**public** **void** setLastName(String lastName) {

**this**.lastName = lastName;

}

**public** String getUserName() {

**return** userName;

}

**public** **void** setUserName(String userName) {

**this**.userName = userName;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

@Override

**public** String toString() {

**return** "User [firstName=" + firstName + ", lastName=" + lastName + ", userName=" + userName + ", password="

+ password + "]";

}

}

**package** com.flyaway.dto;

**public** **class** Flight {

**private** **int** flightNo;

**private** String source;

**private** String destination;

**private** String startdate22;

**private** String endDate;

**private** String departureTime;

**private** String arrivalTime;

**private** **int** noPerson;

**private** **double** ticketPrice;

**public** Flight() {

}

**public** Flight(String source, String destination, String startdate22) {

**this**.source = source;

**this**.destination = destination;

**this**.startdate22 = startdate22;

}

**public** Flight(**int** flightNo, String source, String destination, String startdate22, String endDate,

String departureTime, String arrivalTime, **int** noPerson, **double** ticketPrice) {

**super**();

**this**.flightNo = flightNo;

**this**.source = source;

**this**.destination = destination;

**this**.startdate22 = startdate22;

**this**.endDate = endDate;

**this**.departureTime = departureTime;

**this**.arrivalTime = arrivalTime;

**this**.noPerson = noPerson;

**this**.ticketPrice = ticketPrice;

}

**public** **int** getFlightNo() {

**return** flightNo;

}

**public** **void** setFlightNo(**int** flightNo) {

**this**.flightNo = flightNo;

}

**public** String getSource() {

**return** source;

}

**public** **void** setSource(String source) {

**this**.source = source;

}

**public** String getDestination() {

**return** destination;

}

**public** **void** setDestination(String destination) {

**this**.destination = destination;

}

**public** String getStartdate22() {

**return** startdate22;

}

**public** **void** setStartdate22(String startdate22) {

**this**.startdate22 = startdate22;

}

**public** String getEndDate() {

**return** endDate;

}

**public** **void** setEndDate(String endDate) {

**this**.endDate = endDate;

}

**public** String getDepartureTime() {

**return** departureTime;

}

**public** **void** setDepartureTime(String departureTime) {

**this**.departureTime = departureTime;

}

**public** String getArrivalTime() {

**return** arrivalTime;

}

**public** **void** setArrivalTime(String arrivalTime) {

**this**.arrivalTime = arrivalTime;

}

**public** **int** getNoPerson() {

**return** noPerson;

}

**public** **void** setNoPerson(**int** noPerson) {

**this**.noPerson = noPerson;

}

**public** **double** getTicketPrice() {

**return** ticketPrice;

}

**public** **void** setTicketPrice(**double** ticketPrice) {

**this**.ticketPrice = ticketPrice;

}

@Override

**public** String toString() {

**return** "Flight [flightNo=" + flightNo + ", source=" + source + ", destination=" + destination + ", startdate22="

+ startdate22 + ", endDate=" + endDate + ", departureTime=" + departureTime + ", arrivalTime="

+ arrivalTime + ", noPerson=" + noPerson + ", ticketPrice=" + ticketPrice + "]";

}

}

**package** com.flyaway.dto;

**public** **class** Passenger {

**private** String passangerName;

**private** String DoB;

**private** String email;

**private** String phone;

**private** String address;

//private int seatNo;

**public** Passenger() {

**super**();

}

**public** Passenger(String passangerName, String doB, String email, String phone, String address) {

**super**();

**this**.passangerName = passangerName;

**this**.DoB = doB;

**this**.email = email;

**this**.phone = phone;

**this**.address = address;

}

**public** String getPassangerName() {

**return** passangerName;

}

**public** **void** setPassangerName(String passangerName) {

**this**.passangerName = passangerName;

}

**public** String getDoB() {

**return** DoB;

}

**public** **void** setDoB(String doB) {

DoB = doB;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getPhone() {

**return** phone;

}

**public** **void** setPhone(String phone) {

**this**.phone = phone;

}

**public** String getAddress() {

**return** address;

}

**public** **void** setAddress(String address) {

**this**.address = address;

}

@Override

**public** String toString() {

**return** "Passenger [passangerName=" + passangerName + ", DoB=" + DoB + ", email=" + email + ", phone=" + phone

+ ", address=" + address + "]";

}

}

**Dao package**

**package** com.flyaway.dao;

**import** com.flyaway.dto.User;

**public** **interface** UserDao {

**public** **boolean** RegisterUser(User user);

**public** **boolean** ValidateUser(User user);

}

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import com.flyaway.dto.User;

import com.flyaway.util.ConnectionManagerImpl;

public class UserDaoImpl implements UserDao{

private Connection connection;

public UserDaoImpl() throws SQLException {

connection = new ConnectionManagerImpl().getConnection();

}

@Override

public boolean RegisterUser(User user) {

boolean isUserRegistered=false;

String query="insert into users values(?, ?, ?, ?)";

PreparedStatement statement;

try {

statement= connection.prepareStatement(query);

statement.setString(1, user.getFirstName());

statement.setString(2, user.getLastName());

statement.setString(3, user.getUserName());

statement.setString(4, user.getPassword());

int val= statement.executeUpdate();

if(val>0) {

isUserRegistered=true;

}

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

return isUserRegistered;

}

@Override

public boolean ValidateUser(User user) {

boolean isUserValid=false;

String query="select \* from users where USERNAME=? and PASSWORD =? ";

try {

PreparedStatement statement=connection.prepareStatement(query);

statement.setString(1, user.getUserName());

statement.setString(2, user.getPassword());

ResultSet resultset=statement.executeQuery();

if(resultset.next()) {

isUserValid=true;

}

} catch (SQLException e) {

e.printStackTrace();

}

return isUserValid;

}

}

package com.flyaway.dao;

import java.sql.SQLException;

import java.util.Set;

import com.flyaway.dto.Flight;

public interface FlightDao {

Set<Flight> findFlight(String source, String destination, String startdate ) throws SQLException ;

}

package com.flyaway.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.HashSet;

import java.util.Set;

import com.flyaway.dto.Flight;

import com.flyaway.util.ConnectionManagerImpl;

public class FlightDaoImpl implements FlightDao{

private Connection connection;

public FlightDaoImpl() throws SQLException {

connection = new ConnectionManagerImpl().getConnection();

}

@Override

public Set<Flight> findFlight(String source, String destination, String startdate) throws SQLException {

// Read (Retrieve) Operation using PreparedStatement

Set<Flight> flights= new HashSet<Flight>();

String getFlightFormat = "SELECT \*FROM flights WHERE SOURCE = ? and DESTINATION = ? and START\_DATE=? ";

try (PreparedStatement preparedStatement = connection.prepareStatement(getFlightFormat);) {

preparedStatement.setString(1, source);

preparedStatement.setString(2, destination);

preparedStatement.setString(3, startdate);

ResultSet rs = preparedStatement.executeQuery();

if (!rs.isBeforeFirst()) {

return null;

}

Flight flight = new Flight();

while (rs.next()) {

flight.setFlightNo(rs.getInt("FLIGHT\_NO"));

flight.setSource(rs.getString("SOURCE"));

flight.setDestination(rs.getString("DESTINATION"));

flight.setStartdate22(rs.getString("START\_DATE"));

flight.setEndDate(rs.getString("END\_DATE"));

flight.setDepartureTime(rs.getString("DEPARTURE\_TIME"));

flight.setArrivalTime(rs.getString("ARRIVAL\_TIME"));

flight.setNoPerson(rs.getInt("NO\_OF\_PERSON"));

flight.setTicketPrice(rs.getDouble("TICKET\_PRICE"));

flights.add(flight);

}

}

return flights;

}

}

**package** com.flyaway.dao;

**import** com.flyaway.dto.Passenger;

**public** **interface** PassengerDao {

**public** **boolean** createPassenger(Passenger passenger);

}

**package** com.flyaway.dao;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.util.HashSet;

**import** java.util.Set;

**import** com.flyaway.dto.Flight;

**import** com.flyaway.dto.Passenger;

**import** com.flyaway.util.ConnectionManagerImpl;

**public** **class** PassengerDaoImpl **implements** PassengerDao {

**private** Connection connection;

**public** PassengerDaoImpl() **throws** SQLException {

connection = **new** ConnectionManagerImpl().getConnection();

}

@Override

**public** **boolean** createPassenger(Passenger passenger) {

**boolean** isPassengerCreated=**false**;

String query="insert into passengers values(?, ?, ?, ?, ?)";

PreparedStatement statement;

**try** {

statement= connection.prepareStatement(query);

statement.setString(1, passenger.getPassangerName());

statement.setString(2, passenger.getDoB());

statement.setString(3, passenger.getEmail());

statement.setString(4, passenger.getPhone());

statement.setString(5, passenger.getAddress());

**int** val= statement.executeUpdate();

**if**(val>0) {

isPassengerCreated=**true**;

}

} **catch** (SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

**return** isPassengerCreated;

}

}

**Controller package**

package com.flyaway.controller;

import java.io.IOException;

import java.sql.SQLException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.flyaway.dao.UserDao;

import com.flyaway.dao.UserDaoImpl;

import com.flyaway.dto.User;

public class ValidateUserServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

String userName=request.getParameter("uname");

String Password=request.getParameter("pword");

User user =new User(userName, Password);

try {

UserDao dao=new UserDaoImpl();

boolean isUserValid=dao.ValidateUser(user);

if(isUserValid) {

response.sendRedirect("FlightSearch.html");

}else{

response.sendRedirect("InvalidUser.html");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

doGet(request, response);

}

}

package com.flyaway.controller;

import java.io.IOException;

import java.sql.SQLException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.flyaway.dao.UserDao;

import com.flyaway.dao.UserDaoImpl;

import com.flyaway.dto.User;

public class RegisterUserServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

String firstName = request.getParameter("fname");

String lastName = request.getParameter("lname");

String userName = request.getParameter("uname");

String password = request.getParameter("pword");

User user = new User(firstName, lastName, userName, password);

try {

UserDao dao= new UserDaoImpl();

boolean isUserRegistered=dao.RegisterUser(user);

if(isUserRegistered) {

response.sendRedirect("RegistrationSuccess.html");

}else {

response.sendRedirect("RegistrationFailure.html");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

doGet(request, response);

}

}

package com.flyaway.controller;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class GetRegisterPageServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.sendRedirect("RegisterUser.html");

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

doGet(request, response);

}

}

**package** com.flyaway.controller;

**import** java.awt.List;

**import** java.io.IOException;

**import** java.sql.SQLException;

**import** java.util.ArrayList;

**import** java.util.HashSet;

**import** java.util.Set;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** javax.servlet.http.HttpSession;

**import** com.flyaway.dao.FlightDao;

**import** com.flyaway.dao.FlightDaoImpl;

**import** com.flyaway.dto.Flight;

**public** **class** FindFlightListServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

String Source = request.getParameter("source");

String Destination = request.getParameter("destination");

String startdate22=request.getParameter("dte");

Flight flight=**new** Flight(Source, Destination, startdate22);

FlightDao dao;

**try** {

dao = **new** FlightDaoImpl();

Set<Flight> flights= dao.findFlight(Source, Destination, startdate22);

**if**(flights!= **null**) {

request.setAttribute("flightlist", flights);

RequestDispatcher dispatcher=request.getRequestDispatcher("DisplayFlight.jsp");

dispatcher.forward(request, response);

//Set<Flight> searchedflight = new HashSet<>();

//List searchedflight = new List();

//HttpSession session = request.getSession();

//session.setAttribute("flightlist",searchedflight );;

//response.sendRedirect("DisplayFlight.jsp");

}**else** {

response.sendRedirect("InvalidSearch.html");

}

} **catch** (SQLException e) {

e.printStackTrace();}

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

doGet(request, response);

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.sql.SQLException;

**import** java.util.Set;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** com.flyaway.dao.FlightDao;

**import** com.flyaway.dao.FlightDaoImpl;

**import** com.flyaway.dao.PassengerDao;

**import** com.flyaway.dao.PassengerDaoImpl;

**import** com.flyaway.dto.Flight;

**import** com.flyaway.dto.Passenger;

**public** **class** BookFlightServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

String fullName = request.getParameter("fname");

String dob = request.getParameter("DOB");

String email = request.getParameter("email");

String phone = request.getParameter("phone");

String address = request.getParameter("address");

Passenger passenger = **new** Passenger(fullName, dob, email, phone, address);

PassengerDao dao;

**try** {

dao = **new** PassengerDaoImpl();

**boolean** isPassengerCreated= dao.createPassenger(passenger);

**if**(isPassengerCreated) {

response.sendRedirect("PayLink.jsp");

}

**else** {

response.sendRedirect("ReservationFull.html");

}

} **catch** (SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

doGet(request, response);

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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;

//@WebServlet(name = "creditcard", urlPatterns = { "/creditcard" })

**public** **class** credit **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** credit() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

//response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter pw = response.getWriter();

HttpSession hs = request.getSession();

String meth = (String)hs.getAttribute("paymet");

String Noofperson = (String)hs.getAttribute("Noofperson");

String totalprice = (String)hs.getAttribute("totalprice");

System.***out***.println(meth);

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'><form method='post' action='final.jsp'>");

pw.write("");

pw.write("<h5>Pay using Credit Card</h5> Visa MasterCard Rupay</br>");

pw.write("<input type='hidden' name='totalprice' value="+Noofperson+" >");

pw.write("<input type='hidden' name='paymet' value="+meth+" >");

pw.write("<input type='hidden' name='Noofperson' value="+totalprice+" >");

pw.write("<input type='text' name='cardno' placeholder='Card Number'></br><select name='MM'><option value='mm'>MM");

**for**(**int** i = 1; i < 13; i++){

pw.write("<option value='"+i+"'>"+i);

}

pw.write("</select>");

pw.write("<select name='YY'><option value='yy'>YY");

**for**(**int** i = 2018; i < 2028; i++){

pw.write("<option value='"+i+"'>"+i);

}

pw.write("</select></br>");

pw.write("<input type='text' name='cvv' placeholder='CVV'></br>");

pw.write("<input type='text' name='name' placeholder='Name on Card'></br>");

pw.write("<input type='submit' value='Pay Now'");

pw.write("</body></html>");

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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;

//@WebServlet("/debit")

**public** **class** debit **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** debit() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter pw = response.getWriter();

HttpSession hs=request.getSession();

String paymet = "debitmode";

String totalprice = (String)hs.getAttribute("totalprice");

String Noofperson = (String)hs.getAttribute("Noofperson");

System.***out***.println("cost:"+totalprice);

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'><form method='post' action='final.jsp'>");

pw.write("<input type='hidden' name='paymet' value='"+paymet+"'>");

pw.write("<input type='hidden' name='Noofperson' value='"+Noofperson+"'>");

pw.write("<input type='hidden' name='totalprice' value='"+totalprice+"'>");

pw.write("<h5>Pay using Debit Card</h5> Visa MasterCard Rupay</br>");

pw.write("<input type='text' name='cardno' placeholder='Card Number'></br><select name='MM'><option value='mm'>MM");

**for**(**int** i = 1; i < 13; i++){

pw.write("<option value='"+i+"'>"+i);

}

pw.write("</select>");

pw.write("<select name='YY'><option value='yy'>YY");

**for**(**int** i = 2018; i < 2028; i++){

pw.write("<option value='"+i+"'>"+i);

}

pw.write("</select></br>");

pw.write("<input type='text' name='cvv' placeholder='CVV'></br>");

pw.write("<input type='text' name='name' placeholder='Name on Card'></br>");

pw.write("<input type='submit' value='Pay Now'");

pw.write("</body></html>");

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**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;

//@WebServlet("/ey")

**public** **class** ey **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** ey() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

response.setContentType("text/html");

String meth = request.getParameter("paymet");

String Noofperson = request.getParameter("Noofperson");

String totalprice = request.getParameter("totalprice");

System.***out***.println(totalprice);

System.***out***.println(meth);

//response.getWriter().write("True");//data returning to jquery

RequestDispatcher rd = **null**;

**if**(meth.equals("creditmode")){

rd = request.getRequestDispatcher("credit");

System.***out***.println("inside hs");

HttpSession hs = request.getSession();

hs.setAttribute("totalprice", totalprice);

hs.setAttribute("paymet", meth);

hs.setAttribute("Noofperson", Noofperson);

rd.forward(request, response);

}

**if**(meth.equals("debitmode")){

rd = request.getRequestDispatcher("debit");

HttpSession hs = request.getSession();

hs.setAttribute("totalprice", totalprice);

hs.setAttribute("paymet", meth);

hs.setAttribute("Noofperson", Noofperson);

rd.forward(request, response);

}

**if**(meth.equals("giftcard")){

rd = request.getRequestDispatcher("gift");

HttpSession hs = request.getSession();

hs.setAttribute("totalprice", totalprice);

hs.setAttribute("paymet", meth);

hs.setAttribute("Noofperson", Noofperson);

rd.forward(request, response);

}

**if**(meth.equals("netbank")){

rd = request.getRequestDispatcher("netbk");

HttpSession hs = request.getSession();

hs.setAttribute("paymet", meth);

hs.setAttribute("Noofperson", Noofperson);

hs.setAttribute("totalprice", totalprice);

rd.forward(request, response);

}

// if(meth.equals("cod")){

// rd = request.getRequestDispatcher("trans");

// HttpSession hs = request.getSession();

// hs.setAttribute("paymet", meth);

// hs.setAttribute("Noofperson", Noofperson);

// hs.setAttribute("totalprice", totalprice);

// rd.forward(request, response);

// }

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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;

//@WebServlet("/gift")

**public** **class** gift **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** gift() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter pw = response.getWriter();

HttpSession hs = request.getSession();

String totalprice = (String)hs.getAttribute("totalprice");

String meth = (String)hs.getAttribute("paymet");

String Noofperson = (String)hs.getAttribute("Noofperson");

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'><form method='post' action='giftauthentication'>");

pw.write("");

pw.write("<h5>Pay using Gift Card</h5>");

pw.write("<input type='hidden' name='cost' value="+totalprice+" >");

pw.write("<input type='hidden' name='paymet' value="+meth+" >");

pw.write("<input type='hidden' name='items' value="+Noofperson+" >");

pw.write("<input type='text' name='card' placeholder='Gift Card'></br>");

pw.write("<input type='submit' value='Pay Now'");

pw.write("</body></html>");

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** com.flyaway.util.ConnectionManagerImpl;

**public** **class** giftauthentication **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** giftauthentication() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

**try**{

String totalprice = request.getParameter("totalprice");

System.***out***.println("costingiftau:"+totalprice);

String card = request.getParameter("card");

System.***out***.println("cardingiftau:"+card);

String Noofperson = request.getParameter("Noofperson");

String meth = request.getParameter("paymet");

System.***out***.println("giftauthentication.java :"+Noofperson);

Statement st = **null**;

ResultSet rs = **null**;

Connection connection;

connection = **new** ConnectionManagerImpl().getConnection();

st = connection.createStatement();

String sql = ("select status,amt from gift\_card where card = '"+card+"';");

System.***out***.println(sql);

System.***out***.println("executed");

PrintWriter pw = response.getWriter();

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'>");

rs = st.executeQuery(sql);

//connection.close();

**while**(rs.next()){

System.***out***.println("inside next()");

String status = rs.getString(1);

System.***out***.println(status);

**int** p = rs.getInt(2);

System.***out***.println(p);

**if**(status.equals("unused")){

**if**(p >= Integer.*parseInt*(totalprice)){

sql = ("update gift\_card set status = 'used' where card = '"+card+"';");

System.***out***.println(sql);

**int** rsupdate = st.executeUpdate(sql);

System.***out***.println("executed");

**if**(rsupdate == 1){

pw.write("payment received");

//Enter code here

connection = **new** ConnectionManagerImpl().getConnection();

PreparedStatement stt = **null**;

ResultSet rss = **null**;

stt = connection.prepareStatement("insert into transactions(uid,items,amount,quantity,address,payment\_mode,payment\_status,order\_status) values(?,?,?,?,?,?,?,?)");

stt.setInt(1, 155044);

stt.setString(2, Noofperson);

stt.setInt(3, Integer.*parseInt*(totalprice));

stt.setInt(4, 2);

stt.setString(5, "Jalgaon");

stt.setString(6, meth);

stt.setString(7, "received");

stt.setString(8, "Not packed");

**int** rsupdate1 = stt.executeUpdate();

//connection.close();

**if**(rsupdate1 == 1){

pw.write("Flight booked");

}

}

}

**else**{

pw.write("The maximum amount of the gift card is lesser than what you are trying to buy");

}

}

**else**{

pw.write("This code has been used. Please enter a different code.");

}

}

}

**catch**(Exception e){

e.printStackTrace();

}

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**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** com.flyaway.util.ConnectionManagerImpl;

//@WebServlet("/netauthentication")

**public** **class** netauthentication **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** netauthentication() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

String bank = request.getParameter("bank");

String totalprice = request.getParameter("totalprice");

String uname = request.getParameter("uname");

String pswd = request.getParameter("pswd");

String Noofperson = request.getParameter("Noofperson");

String meth = request.getParameter("paymet");

**try**{

Connection connection;

connection = **new** ConnectionManagerImpl().getConnection();

Statement st = **null**;

ResultSet rs = **null**;

st = connection.createStatement();

String sql = ("select pswd from "+bank+" where uname = '"+uname+"';");

System.***out***.println(sql);

rs = st.executeQuery(sql);

//connection.close();

PrintWriter pw = response.getWriter();

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'>");

**if**(rs != **null**){

**while**(rs.next()){

String pwd = rs.getString(1);

**if**(pwd.equals(pswd)){

pw.write("Pay a sum of Rs."+totalprice+". Click 'Proceed' to confirm");

pw.write("<form method='post' action = 'netfinal.jsp'>");

pw.write("<input type='hidden' name='bank' value='"+bank+"'>");

pw.write("<input type='hidden' name='totalprice' value='"+totalprice+"'>");

pw.write("<input type='hidden' name='paymet' value='"+meth+"'>");

pw.write("<input type='hidden' name='Noofperson' value='"+Noofperson+"'>");

pw.write("<input type='hidden' name='uname' value='"+uname+"'>");

pw.write("<input type = 'submit' value = 'Proceed'");

pw.write("</form>");

}

**else**{

pw.write("Wrong password");

}

}

}

**else**{

pw.write("Please check your username");

}

pw.write("</body></html>");

}

**catch**(Exception e){

e.printStackTrace();

}

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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;

//@WebServlet("/netbk")

**public** **class** netbk **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** netbk() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter pw = response.getWriter();

HttpSession hs = request.getSession();

String totalprice = (String)hs.getAttribute("totalprice");

String meth = (String)hs.getAttribute("paymet");

String Noofperson = (String)hs.getAttribute("Noofperson");

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'><form method='post' action='netbanking.jsp'>");

pw.write("");

pw.write("<h5>Pay using Net Banking</h5> ");

pw.write("<input type='hidden' name='totalprice' value="+totalprice+" >");

pw.write("<input type='hidden' name='paymet' value="+meth+" >");

pw.write("<input type='hidden' name='Noofperson' value="+Noofperson+" >");

pw.write("Select your bank: <select name='bnk'><option value='bnk'>Choose your bank");

pw.write("<option value='SBI'>SBI");

pw.write("<option value='HDFC'>HDFC");

pw.write("<option value='Canara'>Canara");

pw.write("</select></br>");

pw.write("<input type='submit' value='Pay Now'");

pw.write("</body></html>");

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.math.BigDecimal;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** com.flyaway.util.ConnectionManagerImpl;

**import** com.mysql.cj.xdevapi.Statement;

//@WebServlet("/pin")

**public** **class** pin **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** pin() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//doGet(request, response);

PrintWriter pw = response.getWriter();

String meth = request.getParameter("paymet");

System.***out***.println(meth);

String totalprice = request.getParameter("totalprice");

String Noofperson = request.getParameter("Noofperson");

System.***out***.println("pin.java"+Noofperson);

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'>");

String card\_no= request.getParameter("card\_no");

System.***out***.println("pincard:"+card\_no);

String pin = request.getParameter("pinvalue");

System.***out***.println("pininpinjava:"+pin);

**try** {

Connection connection;

connection = **new** ConnectionManagerImpl().getConnection();

PreparedStatement st = **null**;

ResultSet rs = **null**;

st = connection.prepareStatement("select pin from cardtype where card\_no = ?;");

st.setBigDecimal(1, **new** BigDecimal(card\_no));

rs = st.executeQuery();

//connection.close();

**while**(rs.next()){

**int** p = rs.getInt(1);

System.***out***.println(p);

**if**(p==Integer.*parseInt*(pin)){

Connection connection1;

connection1 = **new** ConnectionManagerImpl().getConnection();

**if**(meth.equals("debitmode")){

st = connection1.prepareStatement("select balance from customer where card\_no= ?;");

st.setBigDecimal(1, **new** BigDecimal(card\_no));

rs = st.executeQuery();

**while**(rs.next()){

**int** b = rs.getInt(1);

b = b - Integer.*parseInt*(totalprice);

st = connection1.prepareStatement("update customer set balance = "+b+" where card\_no= ?;");

st.setBigDecimal(1, **new** BigDecimal(card\_no));

**int** rsupdate = st.executeUpdate();

//connection1.close();

**if**(rsupdate == 1){

pw.write("payment received");

pw.println(" \*\*\*\*Confirmation Page\*\*\*\*");

Connection connection2;

connection2 = **new** ConnectionManagerImpl().getConnection();

PreparedStatement stt = **null**;

ResultSet rss = **null**;

stt = connection2.prepareStatement("insert into transactions(uid,Noofperson,amount,Noofticket,address,payment\_mode,payment\_status,booking\_status) values(?,?,?,?,?,?,?,?)");

stt.setInt(1, 155044);

stt.setString(2, Noofperson);

stt.setInt(3, Integer.*parseInt*(totalprice));

stt.setInt(4, 1);

stt.setString(5, "Jalgaon");

stt.setString(6, meth);

stt.setString(7, "received");

stt.setString(8, "Booked");

**int** rsupdate1 = stt.executeUpdate();

//connection2.close();

System.***out***.println("rsupdated:"+rsupdate1);

**if**(rsupdate1 == 1){

pw.write(". Flight booked");

Connection connection3;

connection3 = **new** ConnectionManagerImpl().getConnection();

String query= "select \* from flights where FLIGHT\_NO = 2";

java.sql.Statement stmt=connection3.createStatement();

ResultSet rss2= stmt.executeQuery(query);

**while**(rss2.next()){

pw.println("Flight Detail..... ");

pw.println("\*Flight No: " +rss2.getInt("FLIGHT\_NO"));

pw.println("\*Source: " +rss2.getString("SOURCE"));

pw.println("\*Destination: " +rss2.getString("DESTINATION"));

pw.println("\*Start Date: "+rss2.getString("START\_DATE"));

pw.println ("\*End Date: " +rss2.getString("END\_DATE"));

pw.println ("\*Departure Time: " +rss2.getString("DEPARTURE\_TIME"));

pw.println ("\*Arrival Time: " +rss2.getString("ARRIVAL\_TIME"));

pw.println("\*Total Amount paid:" +rss2.getInt("TICKET\_PRICE"));

}

String query2= "select \* from seats where FLIGHT\_NO =2";

java.sql.Statement stmt2=connection3.createStatement();

ResultSet rss4= stmt2.executeQuery(query2);

**while**(rss4.next()){

pw.println("Seating Arrangmemnt....");

pw.println("\*Seat No: " +rss4.getInt("SEAT\_NO"));

}

String query1= "select \* from passengers where PHONE ='9665420981'";

java.sql.Statement stmt1=connection3.createStatement();

ResultSet rss3= stmt1.executeQuery(query1);

**while**(rss3.next()){

pw.println("Passenger Detail....");

pw.println("\*Passenger Name: " +rss3.getString("FULLNAME"));

pw.println("\*Date of Birth: " +rss3.getString("DATE\_OF\_BIRTH"));

pw.println("\*Email Id: " +rss3.getString("EMAIL"));

pw.println("\*Contact No: "+rss3.getString("PHONE"));

pw.println ("\*Address: " +rss3.getString("ADDRESS"));

}

}

}

System.***out***.println(rsupdate);

}

}

**if**(meth.equals("creditmode")){

st = connection1.prepareStatement("select amt from credit where card\_no= ?;");

st.setBigDecimal(1, **new** BigDecimal(card\_no));

rs = st.executeQuery();

**while**(rs.next()){

**int** b = rs.getInt(1);

b = b + Integer.*parseInt*(totalprice);

st = connection1.prepareStatement("update credit set amt = "+b+" where card\_no= ?;");

st.setBigDecimal(1, **new** BigDecimal(card\_no));

**int** rsupdate = st.executeUpdate();

**if**(rsupdate == 1){

pw.write("payment received");

pw.println(" \*\*\*\*Confirmation Page\*\*\*\*");

Connection connection2;

connection2 = **new** ConnectionManagerImpl().getConnection();

PreparedStatement stt = **null**;

ResultSet rss = **null**;

stt = connection2.prepareStatement("insert into transactions(uid,Noofperson,amount,Noofticket,address,payment\_mode,payment\_status,booking\_status) values(?,?,?,?,?,?,?,?)");

stt.setInt(1, 155044);

stt.setString(2, Noofperson);

stt.setInt(3, Integer.*parseInt*(totalprice));

stt.setInt(4, 1);

stt.setString(5, "Jalgaon");

stt.setString(6, meth);

stt.setString(7, "received");

stt.setString(8, "Booked");

**int** rsupdate1 = stt.executeUpdate();

//connection2.close();

System.***out***.println("rsupdate:"+rsupdate1);

**if**(rsupdate1 == 1){

pw.write("Flight booked");

Connection connection3;

connection3 = **new** ConnectionManagerImpl().getConnection();

String query= "select \* from flights where FLIGHT\_NO = 2";

java.sql.Statement stmt=connection3.createStatement();

ResultSet rss2= stmt.executeQuery(query);

**while**(rss2.next()){

pw.println("Flight Detail..... ");

pw.println("\*Flight No: " +rss2.getInt("FLIGHT\_NO"));

pw.println("\*Source: " +rss2.getString("SOURCE"));

pw.println("\*Destination: " +rss2.getString("DESTINATION"));

pw.println("\*Start Date: "+rss2.getString("START\_DATE"));

pw.println ("\*End Date: " +rss2.getString("END\_DATE"));

pw.println ("\*Departure Time: " +rss2.getString("DEPARTURE\_TIME"));

pw.println ("\*Arrival Time: " +rss2.getString("ARRIVAL\_TIME"));

pw.println("\*Total Amount paid:" +rss2.getInt("TICKET\_PRICE"));

}

String query2= "select \* from seats where FLIGHT\_NO =2";

java.sql.Statement stmt2=connection3.createStatement();

ResultSet rss4= stmt2.executeQuery(query2);

**while**(rss4.next()){

pw.println("Seating Arrangmemnt....");

pw.println("\*Seat No: " +rss4.getInt("SEAT\_NO"));

}

String query1= "select \* from passengers where PHONE ='9665420981'";

java.sql.Statement stmt1=connection3.createStatement();

ResultSet rss3= stmt1.executeQuery(query1);

**while**(rss3.next()){

pw.println("Passenger Detail....");

pw.println("\*Passenger Name: " +rss3.getString("FULLNAME"));

pw.println("\*Date of Birth: " +rss3.getString("DATE\_OF\_BIRTH"));

pw.println("\*Email Id: " +rss3.getString("EMAIL"));

pw.println("\*Contact No: "+rss3.getString("PHONE"));

pw.println ("\*Address: " +rss3.getString("ADDRESS"));

}

}

}

System.***out***.println(rsupdate);

}

}

}

**else**{

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

rd.forward(request, response);

}

}

}

**catch**(Exception e ){

e.printStackTrace();

}

}

}

**package** com.flyaway.controller;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**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.flyaway.util.ConnectionManagerImpl;

//@WebServlet("/transaction")

**public** **class** transaction **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** transaction() {

**super**();

// **TODO** Auto-generated constructor stub

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

HttpSession hs = request.getSession();

String meth = (String)hs.getAttribute("paymet");

String Noofperson = (String)hs.getAttribute("Noofperson");

String totalprice = (String)hs.getAttribute("totalprice");

PrintWriter pw = response.getWriter();

pw.write("<html><head>");

pw.write("<script src='jquery/jquery-latest.js'></script>");

pw.write("<script type='text/javascript'>");

pw.write("$(document).ready(function () {");

pw.write(" $('body').bind('cut copy paste', function (e) {");

pw.write("e.preventDefault(); });");

pw.write("$('body').on('contextmenu',function(e){ return false; });");

pw.write(" window.history.pushState(null, '', window.location.href); ");

pw.write(" window.onpopstate = function() { window.history.pushState(null, '', window.location.href); }; }); </script></head>");

pw.write("<body onkeydown='return (event.keyCode != 116)'>");

**try**{

Connection connection;

connection = **new** ConnectionManagerImpl().getConnection();

PreparedStatement st = **null**;

ResultSet rs = **null**;

st = connection.prepareStatement("insert into transactions(uid,Noofperson,amount,Noofticket,address,payment\_mode,payment\_status,booking\_status) values(?,?,?,?,?,?,?,?)");

st.setInt(1, 155044);

st.setString(2, Noofperson);

st.setInt(3, Integer.*parseInt*(totalprice));

st.setInt(4, 2);

st.setString(5, "Jalgaon");

st.setString(6, meth);

st.setString(7, "Not received");

st.setString(8, "Not packed");

**int** rsupdate = st.executeUpdate();

connection.close();

**if**(rsupdate == 1){

pw.write("Flight booked");

}

}

**catch**(Exception e){

e.printStackTrace();

}

}

}

**Front-end coding**

**HTML and JSP**

**Home.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body style="background-image: *url(C:/Users/admin/Desktop/airline.jpg)*;

background-repeat:*no-repeat*;

background-position:*center*;

background-size: *contain*">

<h1 style="text-align:*left*;color:*blue*;font-size:*60px*">Welcome to FlyAway</h1>

<form action=*"ValidateUserServlet"* method=*"post"*>

Username:<input type=*"text"* placeholder=*"Enter Username"* name=*"uname"* /><br/>

Password:<input type=*"password"* placeholder=*"Enter Password"* name=*"pword"*/><br/>

<input type=*"checkbox"* checked=*"checked"*> Remember me

<input type=*"submit"* value=*"Login"*><br/>

</form>

<a href=*"http://localhost:8080/Flyaway-App/GetRegisterPageServlet"*>Register</a>

<a href=*"http://localhost:8080/Flyaway-App/forgetpasswordservlet"*> Forgot Your Password? </a>

</body>

</html>

**RegisterUser.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"RegisterUserServlet"* method=*"post"*>

First Name: <input type=*"text"* name=*"fname"* /><br/>

Last Name: <input type=*"text"* name=*"lname"* /><br/>

User Name: <input type=*"text"* name=*"uname"* /><br/>

Password: <input type=*"password"* name=*"pword"* /><br/>

<input type=*"submit"* value=*"Register"*/>

</form>

</body>

</html>

**RegistrationSuccess.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Registration is successful</h1>

<a href=*"Home.html"*>Click here to log in</a>

</body>

</html>

**RegistrationFailure.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Registration failed</h1>

</body>

</html>

**BookFlight.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"BookFlightServlet"* method=*"post"*>

Passenger Full Name:<input type=*"text"* name=*"fname"*/><br/><br/>

Date of Birth:<input type=*"date"* name=*"DOB"*/><br/><br/>

Email:<input type=*"email"* name=*"email"* /><br/><br/>

Phone No:<input type=*"text"* name=*"phone"*/><br/><br/>

Address:<input type=*"text"* name=*"address"*/><br/>

<input type=*"submit"* value=*"Submit"*/>

</form>

</body>

</html>

**DisplayFlight.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@page import=*"java.util.Set"*%>

<%@page import=*"com.flyaway.dto.Flight"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<style>

**table**{

border: *1px solid*;

width:*100%*;

}

**th,td**{

border: *1px solid*;

}

**h1**{

text-align:*center*;

}

</style>

<body>

<br>

<h1>Flight List</h1>

<table class=*"table table-striped"* >

<thead>

<tr>

<th scope=*"col"*>Flight No.</th>

<th scope=*"col"*>Source</th>

<th scope=*"col"*>Destination</th>

<th scope=*"col"*>Start Date</th>

<th scope=*"col"*>End Date</th>

<th scope=*"col"*>Departure Time</th>

<th scope=*"col"*>Arrival Time</th>

<th scope=*"col"*>No. of person</th>

<th scope=*"col"*>Ticket price</th>

<th scope=*"col"*>Book Flight</th>

</tr>

</thead>

<tbody>

<%

Set<Flight> flights= (Set<Flight>)request.getAttribute("flightlist");

**for**(Flight flight : flights) { %>

<tr>

<th scope=*"row"*><%=flight.getFlightNo()%></th>

<td><%=flight.getSource()%></td>

<td><%=flight.getDestination()%></td>

<td><%=flight.getStartdate22()%></td>

<td><%=flight.getEndDate()%></td>

<td><%=flight.getDepartureTime()%></td>

<td><%=flight.getArrivalTime()%></td>

<td><%=flight.getNoPerson()%></td>

<td><%=flight.getTicketPrice()%></td>

<td><a href=*"BookFlight.html"*>Book Now</a></td>

</tr>

<%

}

%>

</tbody>

</table>

</body>

</html>

**Failure.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Failed</title>

<script src=*"jquery/jquery-latest.js"*></script>

<script type=*"text/javascript"*>

$(document).ready(**function** () {

$('body').bind('cut copy paste', **function** (e) {

e.preventDefault();

});

//Disable mouse right click

$("body").on("contextmenu",**function**(e){

**return** **false**;

});

window.history.pushState(**null**, "", window.location.href);

window.onpopstate = **function**() {

window.history.pushState(**null**, "", window.location.href);

};

});

</script>

</head>

<body>

Transaction failed!

</body>

</html>

**Final.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@ page import=*"java.sql.Connection"*%>

<%@ page import=*"com.flyaway.util.ConnectionManagerImpl"*%>

<%@ page import=*"java.sql.PreparedStatement"*%>

<%@ page import=*"java.sql.ResultSet"*%>

<%@ page import=*"java.math.BigDecimal"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<script src=*"jquery/jquery-latest.js"*></script>

<script type=*"text/javascript"*>

$(document).ready(**function** () {

$('body').bind('cut copy paste', **function** (e) {

e.preventDefault();

});

//Disable mouse right click

$("body").on("contextmenu",**function**(e){

**return** **false**;

});

window.history.pushState(**null**, "", window.location.href);

window.onpopstate = **function**() {

window.history.pushState(**null**, "", window.location.href);

};

});

</script>

</head>

<body>

<%Connection connection;

connection = **new** ConnectionManagerImpl().getConnection();

String card\_no = (request.getParameter("cardno"));

**int** mm = Integer.parseInt(request.getParameter("MM"));

**int** yy = Integer.parseInt(request.getParameter("YY"));

**int** cvv = Integer.parseInt(request.getParameter("cvv"));

String totalprice = request.getParameter("totalprice");

String name = request.getParameter("name");

String Noofperson = (request.getParameter("Noofperson"));

String meth = (request.getParameter("paymet"));

System.out.println("fmeth"+meth);

System.out.println("mm"+mm);

System.out.println("yy"+yy);

System.out.println("cvv"+cvv);

System.out.println("totalprice"+totalprice);

PreparedStatement st = **null**;

ResultSet rs = **null**;

st = connection.prepareStatement("select mm,yy,cvv,type from cardtype where card\_no = ?;");

st.setBigDecimal(1, **new** BigDecimal(card\_no));

rs = st.executeQuery();

**int** mon=0;

**int** year=0;

**int** cv=0;

String type="";

RequestDispatcher rd = **null**;

**while**(rs.next()){

mon = rs.getInt(1);

year = rs.getInt(2);

cv = rs.getInt(3);

type = rs.getString(4);

System.out.println("mon"+mon);

System.out.println("year"+year);

System.out.println("cv"+cv);

HttpSession hs = request.getSession();

**if**((mon == mm) && (yy == year) && (cvv == cv)){

hs.setAttribute("cardno", card\_no);

hs.setAttribute("totalprice", totalprice);

hs.setAttribute("paymet", meth);

hs.setAttribute("Noofperson", Noofperson);

System.out.print("hfmeth: "+meth);

rd = request.getRequestDispatcher("pin.jsp");

rd.forward(request, response);

}

**else**{

rd = request.getRequestDispatcher("failure.jsp");

rd.forward(request, response);

}

}

%>

</body>

</html>

**FlightSearch.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"FindFlightListServlet"* method=*"post"*>

Source:<input type=*"text"* name=*"source"*/>

Destination:<input type=*"text"* name=*"destination"*/><br/><br/>

Start date:<input type=*"Date"* name=*"dte"*/>

<input type=*"submit"* value=*"search"*/>

</form>

</body>

</html>

**InvalidUser.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Invalid User</h1>

</body>

</html>

**netbanking.jsp**

%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Netbanking</title>

<script src=*"jquery/jquery-latest.js"*></script>

<script type=*"text/javascript"*>

$(document).ready(**function** () {

$('body').bind('cut copy paste', **function** (e) {

e.preventDefault();

});

//Disable mouse right click

$("body").on("contextmenu",**function**(e){

**return** **false**;

});

window.history.pushState(**null**, "", window.location.href);

window.onpopstate = **function**() {

window.history.pushState(**null**, "", window.location.href);

};

});

</script>

</head>

<body>

<%

String totalprice= request.getParameter("totalprice");

String meth = request.getParameter("paymet");

String Noofperson = request.getParameter("Noofperson");

String bank = request.getParameter("bnk");

out.write("<h1>Welcome to "+bank+"</h1>");

%>

<form method = *"post"* action=*"netauthentication"*>

<input type=*"hidden"* name=*"bank"* value=*"*<%=bank%>*"*>

<input type=*"hidden"* name=*"totalprice"* value=*"*<%=totalprice%>*"*>

<input type=*"hidden"* name=*"paymet"* value=*"*<%=meth%>*"*>

<input type=*"hidden"* name=*"Noofperson"* value=*"*<%=Noofperson%>*"*>

Username: <input type = *"text"* name = *"uname"*></br>

Password: <input type = *"password"* name = *"pswd"*></br>

<input type = *"submit"* value = *"login"*>

</form>

</body>

</html>

**netfinal.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@ page import=*"java.sql.Connection"*%>

<%@ page import=*"com.flyaway.util.ConnectionManagerImpl"*%>

<%@ page import=*"java.sql.PreparedStatement"*%>

<%@ page import=*"java.sql.ResultSet"*%>

<%@ page import=*"java.sql.Statement"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<script src=*"jquery/jquery-latest.js"*></script>

<script type=*"text/javascript"*>

$(document).ready(**function** () {

$('body').bind('cut copy paste', **function** (e) {

e.preventDefault();

});

//Disable mouse right click

$("body").on("contextmenu",**function**(e){

**return** **false**;

});

window.history.pushState(**null**, "", window.location.href);

window.onpopstate = **function**() {

window.history.pushState(**null**, "", window.location.href);

};

});

</script>

</head>

<body>

<% **try**{

Connection connection;

connection = **new** ConnectionManagerImpl().getConnection();

String bank = request.getParameter("bank");

String meth = request.getParameter("paymet");

String Noofperson = request.getParameter("Noofperson");

**int** totalprice = Integer.parseInt(request.getParameter("totalprice"));

String uname = request.getParameter("uname");

System.out.println("netfinal.jsp :"+Noofperson);

Statement st = **null**;

ResultSet rs = **null**;

st = connection.createStatement();

String sql = ("select balance from "+bank+" where uname = '"+uname+"';");

System.out.println(sql);

rs = st.executeQuery(sql);

**while**(rs.next()){

**float** bal = rs.getFloat(1);

System.out.print("bal: "+bal);

**if**(bal >= totalprice){

bal = bal - totalprice;

Statement pst = connection.createStatement();

String usql = ("update "+bank+" set balance = "+bal+" where uname = '"+uname+"';");

**int** rsupdate = pst.executeUpdate(usql);

**if**(rsupdate == 1){

out.println(" \*\*\*\*Confirmation Page\*\*\*\*");

out.println(" ");

out.print(" Payment received");

//Enter code here

Connection connection1;

connection1 = **new** ConnectionManagerImpl().getConnection();

PreparedStatement stt = **null**;

ResultSet rss = **null**;

stt = connection1.prepareStatement("insert into transactions(uid,Noofperson,amount,Noofticket,address,payment\_mode,payment\_status,booking\_status) values(?,?,?,?,?,?,?,?)");

stt.setInt(1, 155044);

stt.setString(2, Noofperson);

stt.setInt(3, totalprice);

stt.setInt(4, 1);

stt.setString(5, "Jalgaon");

stt.setString(6, meth);

stt.setString(7, "received");

stt.setString(8, "Booked");

**int** rsupdate1 = stt.executeUpdate();

**if**(rsupdate1 == 1){

out.write(". Flight booked");

Connection connection3;

connection3 = **new** ConnectionManagerImpl().getConnection();

String query= "select \* from flights where FLIGHT\_NO = 2";

Statement stmt=connection3.createStatement();

ResultSet rss2= stmt.executeQuery(query);

**while**(rss2.next()){

out.println("Flight Detail..... ");

out.println("\*Flight No: " +rss2.getInt("FLIGHT\_NO"));

out.println("\*Source: " +rss2.getString("SOURCE"));

out.println("\*Destination: " +rss2.getString("DESTINATION"));

out.println("\*Start Date: "+rss2.getString("START\_DATE"));

out.println ("\*End Date: " +rss2.getString("END\_DATE"));

out.println ("\*Departure Time: " +rss2.getString("DEPARTURE\_TIME"));

out.println ("\*Arrival Time: " +rss2.getString("ARRIVAL\_TIME"));

out.println("\*Total Amount paid:" +rss2.getInt("TICKET\_PRICE"));

}

String query2= "select \* from seats where FLIGHT\_NO =2";

Statement stmt2=connection3.createStatement();

ResultSet rss4= stmt2.executeQuery(query2);

**while**(rss4.next()){

out.println("Seating Arrangmemnt....");

out.println("\*Seat No: " +rss4.getInt("SEAT\_NO"));

}

String query1= "select \* from passengers where PHONE ='9665420981'";

Statement stmt1=connection3.createStatement();

ResultSet rss3= stmt1.executeQuery(query1);

**while**(rss3.next()){

out.println("Passenger Detail....");

out.println("\*Passenger Name: " +rss3.getString("FULLNAME"));

out.println("\*Date of Birth: " +rss3.getString("DATE\_OF\_BIRTH"));

out.println("\*Email Id: " +rss3.getString("EMAIL"));

out.println("\*Contact No: "+rss3.getString("PHONE"));

out.println ("\*Address: " +rss3.getString("ADDRESS"));

}

}

**else**{

out.print("Insufficient balance");

}

}

**else**{

out.print("Not enough balance. Transaction failed!");

}

}}}**catch**(NumberFormatException nfe){

nfe.printStackTrace();

}

%>

</body>

</html>

**PayLink.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@page import=*"java.util.Set"*%>

<%@page import=*"com.flyaway.dto.Flight"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<%

out.println("Total amount to pay RS. 1500/- " );

%>

<br/><br/> <a href=*"PayNow.jsp"*>Pay Now</a>

</body>

</html>

**PayNow.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Choose payment method</title>

<script src=*"jquery/jquery-latest.js"*></script>

<script type=*"text/javascript"*>

$(document).ready(**function** () {

//Disable cut copy and paste

$('body').bind('cut copy paste', **function** (e) {

e.preventDefault();

PayNoe.js[p` });

//Disable mouse right click

$("body").on("contextmenu",**function**(e){

**return** **false**;

});

//Disable back button

window.history.pushState(**null**, "", window.location.href);

window.onpopstate = **function**() {

window.history.pushState(**null**, "", window.location.href);

};

});

</script>

<script>

**function** myFunction()

{

alert("Click 'OK' and the page will be refreshed");

location.reload();

}

</script>

</head>

<body onkeydown="return (event.keyCode != 116)">

<h2>Select payment method</h2>

<form method=*"post"* action=*"ey"*>

<!-- Can extract the amount, items from session -->

<input type=*"hidden"* name=*"totalprice"* value=*"1500"* >

<input type=*"hidden"* name=*"Noofperson"* value=*"1"*>

<input type=*'radio'* name=*'paymet'* value=*'creditmode'*> Credit card<br>

<input type=*'radio'* name=*'paymet'* value=*'debitmode'*> Debit card<br>

<input type=*'radio'* name=*'paymet'* value=*'netbank'*> Net Banking<br>

<!-- <input type='radio' name='paymet' value='cod'> Cash on Delivery<br> -->

<input type=*'radio'* name=*'paymet'* value=*'giftcard'*> Gift card<br><br>

<input type=*'submit'* value=*'pay'* id=*'submit'*>

</form>

</body>

</html>

**Pin.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<script src=*"jquery/jquery-latest.js"*></script>

<script type=*"text/javascript"*>

$(document).ready(**function** () {

$('body').bind('cut copy paste', **function** (e) {

e.preventDefault();

});

//Disable mouse right click

$("body").on("contextmenu",**function**(e){

**return** **false**;

});

window.history.pushState(**null**, "", window.location.href);

window.onpopstate = **function**() {

window.history.pushState(**null**, "", window.location.href);

};

});

</script>

</head>

<body>

<%

HttpSession hs = request.getSession();

String meth = (String)hs.getAttribute("paymet");

String Noofperson = (String)hs.getAttribute("Noofperson");

String totalprice = (String)hs.getAttribute("totalprice");

String card\_no= (String)hs.getAttribute("cardno");

System.out.print("pincno:"+card\_no);

System.out.print("pincost:"+totalprice);

System.out.print("pinmeth:"+meth);

%>

<form method=*'post'* action=*'pin'*>

<input type=*"hidden"* name=*"card\_no"* value=*"*<%=card\_no%>*"*>

<input type=*"hidden"* name=*"paymet"* value=*"*<%=meth%>*"*>

<input type=*"hidden"* name=*"Noofperson"* value=*"*<%=Noofperson%>*"*>

<input type=*"hidden"* name=*"totalprice"* value=*"*<%=totalprice%>*"*>

<input type=*'text'* name=*'pinvalue'* placeholder=*'PIN Number'*>

<input type= *"submit"* value=*"submit pin"*>

</form>

</body>

</html>

**ReservationFull.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Reservation Full</h1>

</body>

</html>

**DATABASE COMMANDS**

create database flyaway;

show tables;

create table users(FIRSTNAME varchar(30), LASTNAME varchar(30),

USERNAME varchar(30), PASSWORD varchar(30));

create table flights(FLIGHT\_NO int primary key auto\_increment,

SOURCE varchar(30), DESTINATION varchar(30), START\_DATE varchar(30), END\_DATE varchar (30), DEPARTURE\_TIME varchar(30),

ARRIVAL\_TIME varchar(30), NO\_OF\_PERSON int, TICKET\_PRICE double);

insert into flights values(‘jalgaon’, ‘mumbai’, ’20-06-2022’, ’20-06-2022’, ’01:00:00’, ’06:00:00’, 50, 1500);

create table passengers(FULLNAME varchar(255), DATE\_OF\_BIRTH varchar(255), EMAIL varchar(255), PHONE varchar(255), ADDRESS varchar(255));

create table canara(uname text, pswd text, balance float);

insert into canara values(‘kalpana’, ‘kalpana123’, 100000);

create table cardtype(card\_no decimal, mm int, yy int, cvv int, bank\_name text, cust\_name text, pin int, type text,);

insert into cardtype values(111111111, 5, 2023, 111, ‘hdfc’, ‘kalpana’,

1111, ‘credit’);

create table credit(card\_no decimal, amt int);

insert into credit values(111111111, 2000);

create table customer(cust\_id int, cust\_name text, balance float,

card\_no decimal, primary key(cust\_id));

insert into customer values(10000, ‘kalpana’, 80000, 111111111);

create table gift\_card(card\_id int, card text, status text, amt int);

insert into gift\_card values(1000, ‘nidaina’, ‘unused’, 7000);

insert into gift\_card values(1001, ‘nidaina’, ‘unused’, 4500);

create table transactions(t\_id serial, uid int, Noofperson text, amount int, Noofticket int, address text, payment\_mode text, payment\_status text, booking\_status text);

create table hdfc(uname text, pswd text, balance float);

create table sbi(uname text, pswd text, balance float);

create table canara(uname text, pswd text, balance float);

insert into hdfc values(‘kalpana’, ‘kalpana123’, 75000);

insert into sbi values(‘kalpana’, ‘kalpana123’, 100000);

insert into canara values(‘kalpana’, ‘kalpana123’, 80000);