**Simplilearn-\_Phase\_-2\_-project-\_FSJD-\_ FlyAway**

**Source code**

Project Name: Learner’s Academy

Note -For proper source code kindly refer gitlink

**Project Version: 1.0**

**GitHub repository link:**

<https://github.com/ankitsinghpawar2022/Simplilearn-_Phase_-2_-project-_FSJD-_-FlyAway>

<%@page import=*"com.Entities.Flightdetails"*%>

<%@page import=*"org.hibernate.Session"*%>

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

<%@page import=*"com.HibernateConnection.FactoryProvider"*%>

<%@page import=*"org.hibernate.SessionFactory"*%>

<%@page import=*"javax.persistence.Query"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Search Flights</title>

</head>

<body>

<%

Session s = FactoryProvider.getFactory().openSession();

Query q = s.createQuery("from Flightdetails");

List<Flightdetails> list = q.getResultList();

%>

<h2>Search Flights</h2>

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

<table border=*"1"*>

<tr>

<th>FromCity</th>

<td>

<select name=*"FromCity"* id=*"FromCity"*>

<%

**for** (Flightdetails U1 :list) {

%>

<option value=<%=(U1.getFlightNo())%>><%=(U1.getFromCity())%></option>

<%

}

%>

</select>

</td>

</tr>

<tr>

<td>ToCity</td>

<td>

<select name=*"ToCity"* id=*"ToCity"*>

<%

**for** (Flightdetails U1 :list) {

%>

<option value=<%=(U1.getFlightNo())%>><%=(U1.getToCity())%></option>

<%

}

%>

</select>

</td>

</tr>

<tr>

<td>Travel Date</td>

<td>

<input type=*"date"*

name=*"TravelDate"*

id=*"TravelDate"*

required=*"required"*

size=*"10"*

class=*"form-control"*>

</td>

</tr>

<tr>

<td>Search</td>

<td><button type=*"submit"* value=*"Add"* class=*"btn btn-primary"*>Submit</button></td>

</tr>

</table>

</form>

</body>

</body>

</html>

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert title here</title>

</head>

<body>

<h3> Add Flight form</h3>

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

<table border=*"1"*>

<tr>

<td><label>FlightNo</label></td>

<td> <input type=*"number"*

name=*"FlightNo"*

id=*"FlightNo"*

required=*"required"*

size=*"50"*>

</td>

</tr>

<tr>

<td><label>FlightName</label> <td>

<input type=*"Text"*

name=*"FlightName"*

id=*"FlightName"*

required=*"required"*

size=*"10"*>

</td>

</tr>

<tr>

<td>

<label>FromCity</label> </td>

<td><input type=*"Text"*

name=*"FromCity"*

id=*"FromCity"*

required=*"required"*

size=*"10"*>

</td>

</tr>

<tr>

<td><label>ToCity</label> </td>

<td><input type=*"Text"*

name=*"ToCity"*

id=*"ToCity"*

required=*"required"*

size=*"10"*>

</td>

</tr>

<tr>

<td>

<label>TravelDate</label> </td>

<td>

<input type=*"date"*

name=*"TravelDate"*

id=*"TravelDate"*

required=*"required"*

size=*"10"*

class=*"form-control"*>

</td>

</tr>

<tr>

<td><label>Flight Fair</label> </td>

<td><input type=*"number"*

name=*"Fair"* id=*"Fair"*

required=*"required"*

size=*"50"* class=*"form-control"*>

</td>

</tr>

<tr>

<td> <button type=*"submit"* value=*"Add"* class=*"btn btn-primary"*>Submit</button></td></tr>

</table>

</form>

</body>

</html>

package com.Entities;

import java.util.Date;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.OneToOne;

@Entity

public class Bookings {

@Override

public String toString() {

return "Bookings [PNR=" + PNR + ", PassangerName=" + PassangerName + ", Gender=" + Gender + ", Email=" + Email

+ ", Ticketstatus=" + Ticketstatus + ", bookingDate=" + bookingDate + ", flightdetails=" + flightdetails

+ "]";

}

public int getPNR() {

return PNR;

}

public void setPNR(int pNR) {

PNR = pNR;

}

public String getPassangerName() {

return PassangerName;

}

public void setPassangerName(String passangerName) {

PassangerName = passangerName;

}

public String getGender() {

return Gender;

}

public void setGender(String gender) {

Gender = gender;

}

public String getEmail() {

return Email;

}

public void setEmail(String email) {

Email = email;

}

public String getTicketstatus() {

return Ticketstatus;

}

public void setTicketstatus(String ticketstatus) {

Ticketstatus = ticketstatus;

}

public Date getBookingDate() {

return bookingDate;

}

public void setBookingDate(Date bookingDate) {

this.bookingDate = bookingDate;

}

public Flightdetails getFlightdetails() {

return flightdetails;

}

public void setFlightdetails(Flightdetails flightdetails) {

this.flightdetails = flightdetails;

}

public Bookings(String passangerName, String gender, String email, String ticketstatus, Date bookingDate,

Flightdetails flightdetails) {

super();

PassangerName = passangerName;

Gender = gender;

Email = email;

Ticketstatus = ticketstatus;

this.bookingDate = bookingDate;

this.flightdetails = flightdetails;

}

public Bookings(int pNR, String passangerName, String gender, String email, String ticketstatus, Date bookingDate,

Flightdetails flightdetails) {

super();

PNR = pNR;

PassangerName = passangerName;

Gender = gender;

Email = email;

Ticketstatus = ticketstatus;

this.bookingDate = bookingDate;

this.flightdetails = flightdetails;

}

public Bookings() {

super();

// TODO Auto-generated constructor stub

}

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int PNR;

private String PassangerName;

private String Gender;

private String Email;

private String Ticketstatus;

private Date bookingDate;

@OneToOne

private Flightdetails flightdetails;

} **package** com.Entities;

**import** java.util.Date;

**import** java.util.List;

**import** javax.persistence.CascadeType;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.OneToMany;

@Entity

**public** **class** Flightdetails {

@Id

@GeneratedValue(strategy = GenerationType.***IDENTITY***)

**private** **int** FlightNo;

**private** String FlightName;

**private** String FromCity;

**private** String ToCity;

**private** String TravelDate;

**private** **double** Fair;

@OneToMany(cascade = {CascadeType.***ALL***})

**private** List <Bookings> bookings;

**public** Flightdetails() {

**super**();

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

}

**public** Flightdetails(**int** flightNo, String flightName, String fromCity, String toCity, String travelDate,

**double** fair, List<Bookings> bookings) {

**super**();

FlightNo = flightNo;

FlightName = flightName;

FromCity = fromCity;

ToCity = toCity;

TravelDate = travelDate;

Fair = fair;

**this**.bookings = bookings;

}

**public** Flightdetails(String flightName, String fromCity, String toCity, String travelDate, **double** fair) {

**super**();

FlightName = flightName;

FromCity = fromCity;

ToCity = toCity;

TravelDate = travelDate;

Fair = fair;

}

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

**return** FlightNo;

}

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

FlightNo = flightNo;

}

**public** String getFlightName() {

**return** FlightName;

}

**public** **void** setFlightName(String flightName) {

FlightName = flightName;

}

**public** String getFromCity() {

**return** FromCity;

}

**public** **void** setFromCity(String fromCity) {

FromCity = fromCity;

}

**public** String getToCity() {

**return** ToCity;

}

**public** **void** setToCity(String toCity) {

ToCity = toCity;

}

**public** String getTravelDate() {

**return** TravelDate;

}

**public** **void** setTravelDate(String travelDate) {

TravelDate = travelDate;

}

**public** **double** getFair() {

**return** Fair;

}

**public** **void** setFair(**double** fair) {

Fair = fair;

}

**public** List<Bookings> getBookings() {

**return** bookings;

}

**public** **void** setBookings(List<Bookings> bookings) {

**this**.bookings = bookings;

}

@Override

**public** String toString() {

**return** "Flightdetails [FlightNo=" + FlightNo + ", FlightName=" + FlightName + ", FromCity=" + FromCity

+ ", ToCity=" + ToCity + ", TravelDate=" + TravelDate + ", Fair=" + Fair + ", bookings=" + bookings

+ "]";

}

}

package com.HibernateConnection;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;

public class FactoryProvider {

public static SessionFactory factory;

public static SessionFactory getFactory() {

if (factory == null) {

factory = new Configuration().configure("hibernate.cfg.xml").buildSessionFactory();

}

return factory;

}

public static void closeFactory() {

if (factory.isOpen()) {

factory.close();

}

}

}