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| **SimpliLearn Phase 2 Project: FlyAway**  **Airline ticket booking portal**  **Submitted by: KAVIN K R** |
| Date of submission : 25-10-2022  GitHub Project Repository URL : [GitHub Link](https://github.com/kavink-r/SimpliLearn-Phase2-Project-FlyAway.git) |
| **Sprints Planned:**  Sprint 1: Creation of hibernate entities, admin login and password changing features.  Sprint 2: Creation of full admin panel features for viewing and addition of master list of places, airlines and flights.  Sprint 3: Creation of searching for flight from home screen and adding passenger details feature.  Sprint 4: Creation of payment gateway and booking confirmation feature.  Sprint 5: Final publish with minor code tweaks.  **Technologies used:**  Java EE-Servlets, JSP, Hibernate, MySql. |
| **Build tool – Maven (Maven webapp archetype is used for project creation)**  **Project structure:** |
| **Pom.xml**  <?xml version="1.0" encoding="UTF-8"?>  <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">  <modelVersion>4.0.0</modelVersion>  <groupId>com.simplilearn</groupId>  <artifactId>FlyAway</artifactId>  <version>0.0.1-SNAPSHOT</version>  <packaging>war</packaging>  <name>FlyAway Maven Webapp</name>  <!-- FIXME change it to the project's website -->  <url>http://www.example.com</url>  <properties>  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>  <maven.compiler.source>1.8</maven.compiler.source>  <maven.compiler.target>1.8</maven.compiler.target>  </properties>  <dependencies>  <!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->  <dependency>  <groupId>mysql</groupId>  <artifactId>mysql-connector-java</artifactId>  <version>8.0.28</version>  </dependency>  <!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->  <dependency>  <groupId>org.hibernate</groupId>  <artifactId>hibernate-core</artifactId>  <version>5.6.10.Final</version>  </dependency>  <dependency>  <groupId>junit</groupId>  <artifactId>junit</artifactId>  <version>4.11</version>  <scope>test</scope>  </dependency>  </dependencies>  <build>  <finalName>FlyAway</finalName>  <pluginManagement>  <!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent pom) -->  <plugins>  <plugin>  <artifactId>maven-clean-plugin</artifactId>  <version>3.1.0</version>  </plugin>  <!-- see http://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin\_bindings\_for\_war\_packaging -->  <plugin>  <artifactId>maven-resources-plugin</artifactId>  <version>3.0.2</version>  </plugin>  <plugin>  <artifactId>maven-compiler-plugin</artifactId>  <version>3.8.0</version>  </plugin>  <plugin>  <artifactId>maven-surefire-plugin</artifactId>  <version>2.22.1</version>  </plugin>  <plugin>  <artifactId>maven-war-plugin</artifactId>  <version>3.2.2</version>  </plugin>  <plugin>  <artifactId>maven-install-plugin</artifactId>  <version>2.5.2</version>  </plugin>  <plugin>  <artifactId>maven-deploy-plugin</artifactId>  <version>2.8.2</version>  </plugin>  </plugins>  </pluginManagement>  </build>  </project> |
| **web.xml:**  <!DOCTYPE web-app PUBLIC  "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"  "http://java.sun.com/dtd/web-app\_2\_3.dtd" >  <web-app>  <display-name>FlyAway</display-name>  <welcome-file-list>  <welcome-file>Welcome.jsp</welcome-file>  </welcome-file-list>  </web-app> |
| **Welcome.jsp:**  <%@page import=*"com.flyaway.Dao.PlacesDaoImpl"*%>  <%@page import=*"com.flyaway.entities.Places"*%>  <%@page import=*"java.util.List"*%>  <%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*  pageEncoding=*"ISO-8859-1"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>FlyAway</title>  </head>  <body>  <h1>  <center>Welcome to FlyAway ticket booking portal</center>  </h1>  <form action=*"AdminLogin.html"* method=*"post"*>  <input type=*"submit"* value=*"Admin Login"*>  </form>  <h2>Ticket Booking:</h2>  <b>Enter following details for booking:</b>  <form action=*SearchFlight* method=*"post"*>  <label for=*"traveldate"*>Select Travel date</label><br> <input  type=*"date"* id=*"traveldate"* name=*"traveldate"* required><br>  <label for=*"source"*>Select source place:</label><br>  <datalist id=*"places"*>  <%  List<Places> places = **null**;  PlacesDaoImpl placesdao = **new** PlacesDaoImpl();  places = placesdao.getAll();  **for** (Places p : places) {  %>  <option value=*"*<%=p.getPlaceName()%>*"* />  <%  }  %>  </datalist>  <input type=*"text"* name=*"source"* list=*"places"* required /><br>  <label for=*"destination"*>Select destination place:</label><br>  <input type=*"text"* name=*"destination"* list=*"places"* required /><br>  <label for=*"persons"*>Enter number of persons</label><br>  <input type=*"number"* name=*"persons"* required><br>  <input type=*"submit"* value=*"show available flights"*><br>  </form>  </body>  </html> |
| **AddAirlines.html:**  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Insert title here</title>  </head>  <body>  <form action=*AddAirlines* method=*"post"*>  <label for=*"code"*>Enter Airline Code:</label><br>  <input type=*"text"* id=*"code"* name=*"code"* maxlength=*"4"*><br>  <label for=*"name"*>Enter Airline Name:</label><br>  <input type=*"text"* id=*"name"* name=*"name"*><br>  <input type=*"submit"* value=*"Submit"*>  <br>  <a href = *"Welcome.jsp"*>Go to home</a><br>  <a href = *"ShowAirlines"*>View all airlines</a><br>  </form>  </body>  </html> |
| **AddPlace.html:**  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Insert title here</title>  </head>  <body>  <form action=*AddPlace* method=*"post"*>  <label for=*"code"*>Enter Place Code:</label><br>  <input type=*"text"* id=*"code"* name=*"code"* maxlength=*"3"*><br>  <label for=*"name"*>Enter Place Name:</label><br>  <input type=*"text"* id=*"name"* name=*"name"*><br>  <input type=*"submit"* value=*"Submit"*>  <br>  <a href = *"Welcome.jsp"*>Go to home</a><br>  <a href = *"ShowPlaces"*>View All places</a><br>  </form>  </body>  </html> |
| **AdminLogin.html:**  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Login</title>  </head>  <body>  <form action=*AdminValidation* method=*"post"*>  <label for=*"oldpass"*>Enter the Username:</label><br>  <input type=*"teext"* id=*"username"* name=*"username"*><br>  <label for=*"pass"*>Enter the Password:</label><br>  <input type=*"password"* id=*"pass"* name=*"pass"*><br>  <input type=*"submit"* value=*"Login"*>  </form>  </body>  </html> |
| **AdminPanel.html**  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Insert title here</title>  </head>  <body>  <a href=*"ChangePassword.html"*>Click here to change the password</a><br><br><br>  <a href=*"ShowAirlines"*>View master list of airlines !!</a><br><br><br>  <a href=*"AddAirlines.html"*>Add airline to master list !!</a><br><br><br>  <a href=*"ShowPlaces"*>View master list of places !!</a><br><br><br>  <a href=*"AddPlace.html"*>Add a place to master list !!</a><br><br><br>  <a href=*"ShowFlights"*>View available Flight List !!</a><br><br><br>  <a href=*"AddFlights"*>Add Flight to flight list !!</a><br><br><br>  <a href=*"ShowBookings.jsp"*>Show flight bookings !!</a><br><br><br>  </body>  </html> |
| **BookFlight.jsp:**  <%@page import=*"com.flyaway.entities.Flights"*%>  <%@page import=*"java.util.List"*%>  <%@page import=*"com.flyaway.Dao.FlightsdaoImpl"*%>  <%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*  pageEncoding=*"ISO-8859-1"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Book Flight</title>  </head>  <body>  <h1>Book Flight</h1>  <%  **int** persons=Integer.parseInt(request.getParameter("persons"));  String Date = request.getParameter("traveldate");  %>  <form action=*"PassengerDetails.jsp"* method=*"post"*>  No. of Persons:<br>  <input type=*"text"* id=*"numofpersons"* name=*"numofpersons"* value=*"*<%=persons%>*"*/><br>  Travel Date:<br>  <input type=*"date"* id=*"dateoftravel"* name=*"dateoftravel"* value=*"*<%=Date%>*"*/><br>  Enter the flight Id to book:<br>  <input type=*"number"* id=*"flightno"* name=*"flightno"*/>  <input type=*"submit"* value=*"Book Flight"*/>  </form>  </body>  </html> |
| **ChangePassword.html**  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Insert title here</title>  </head>  <body>  <h1>Change admin password:</h1>  <form action=*ChangePassword* method=*"post"*>  <label for=*"oldpass"*>Enter Old Password:</label><br>  <input type=*"password"* id=*"oldpass"* name=*"oldpass"*><br>  <label for=*"newpass"*>Enter New Password</label><br>  <input type=*"password"* id=*"newpass"* name=*"newpass"*><br>  <label for=*"newpass1"*>Re-Enter New Password</label><br>  <input type=*"password"* id=*"newpass1"* name=*"newpass1"*>  <input type=*"submit"* value=*"Submit"*>  </form>  </body>  </html> |
| **PassengerDetails.jsp**  <%@page import=*"com.flyaway.entities.Flights"*%>  <%@page import=*"com.flyaway.Dao.FlightsdaoImpl"*%>  <%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*  pageEncoding=*"ISO-8859-1"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Passenger Details</title>  </head>  <body>  <h1>Passenger Details:</h1>  <b>You are about to book following flight on the following date, Kindly enter passenger details:</b><hr>  <%  **int** flightId=Integer.parseInt(request.getParameter("flightno"));  **int** persons = Integer.parseInt(request.getParameter("numofpersons"));  String date = request.getParameter("dateoftravel");  FlightsdaoImpl FlightsDao=**new** FlightsdaoImpl();  Flights flight = FlightsDao.getById(flightId);  %>  <form action=*"PaymentGateway.jsp"* method=*"post"*>  <input type=*"hidden"* id=*"flightId"* name=*"flightId"* value=*"*<%=flight.getFlightId()%>*"*/>  No. of Persons:<br>  <input type=*"number"* id=*"numofpersons"* name=*"numofpersons"* value=*"*<%=persons%>*"*/><br>  Travel Date:<br>  <input type=*"date"* id=*"dateoftravel"* name=*"dateoftravel"* value=*"*<%=date%>*"*/><br><br>  <table border=*"1"*>  <tr>  <th>Flight ID</th>  <th>Airline</th>  <th>Route</th>  <th>Price</th>  <th>Source</th>  <th>Destination</th>  </tr>  <tr>  <td><%=flight.getFlightId() %></td>  <td><%=flight.getAirline() %></td>  <td><%=flight.getRoute() %></td>  <td><%=flight.getPrice() %></td>  <td><%=flight.getSource() %></td>  <td><%=flight.getDestination() %></td>  </tr>  </table><br><br>  <% **int** i=1;  **while**(i<=persons) {  %>    <br>Enter passenger <%=i %> name: <input type=*"text"* name=*"passenger*<%=i %>*name"* id=*"passenger*<%=i %>*>name"*/><br>    <%  i++;  } %>  <br>Total amount for <%=persons %> persons is <b>INR <%=persons\*flight.getPrice() %>/-</b>  <br><input type=*"submit"* value=*"Pay Now"*/>  </form>  <form action=*"Welcome.jsp"*><br>  <input type=*"submit"* value=*"Go Home"*/>  </form>  </body>  </html> |
| **PaymentGateway.jsp**  <%@page import=*"com.flyaway.entities.Flights"*%>  <%@page import=*"com.flyaway.Dao.FlightsdaoImpl"*%>  <%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*  pageEncoding=*"ISO-8859-1"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Payment Gateway</title>  </head>  <body>  <h1>Payment Gateway</h1>  <%  **int** num=Integer.parseInt(request.getParameter("numofpersons"));  String dtoftravel=request.getParameter("dateoftravel");  **int** id=Integer.parseInt(request.getParameter("flightId"));  String passengers =**null**;  FlightsdaoImpl flightsdao = **new** FlightsdaoImpl();  Flights flight = flightsdao.getById(id);  **int** paymentAmount = flight.getPrice()\*num;  %>  <%  **int** i=1;  **while**(i<=num){  **if**(passengers==**null**){  passengers = request.getParameter("passenger"+i+"name");  }**else**{  passengers = passengers +","+ request.getParameter("passenger"+i+"name");  }  i++;  }  %>  <form action=*"BookingConfirmation"* method=*"post"*>  Payment Amount = <b><%=paymentAmount%> INR</b><br>  <input type=*"hidden"* name=*"paymentAmount"* id=*"paymentAmount"* value=*"*<%=paymentAmount%>*"*/>  <input type=*"hidden"* name=*"persons"* id=*"persons"* value=*"*<%=num%>*"*/>  <input type=*"hidden"* name=*"dtoftravel"* id=*"dtoftravel"* value=*"*<%=dtoftravel%>*"*/>  <input type=*"hidden"* name=*"flid"* id=*"flid"* value=*"*<%=id%>*"*/>  <input type=*"hidden"* name=*"passdetails"* id=*"passdetails"* value=*"*<%=passengers%>*"*/>  <br>Enter Card Number: <input type=*"text"* id=*"cardnumber"* name=*"cardnumber"*/>  <br>Enter expiry date: <input type=*"date"* id=*"expiry"* name=*"expiry"*/>  <br>Enter CVV number: <input type=*"number"* id=*"cvv"* name=*"cvv"* maxlength=*"3"*/>  <br><input type=*"submit"* value=*"Pay"*/>  </form>  </body>  </html> |
| **ShowBookings.jsp**  <%@page import=*"java.sql.ResultSet"*%>  <%@page import=*"com.flyaway.Dao.BookingsDao"*%>  <%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*  pageEncoding=*"ISO-8859-1"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Flight Bookings</title>  </head>  <body>  <a href=*"Welcome.jsp"* >Go Home</a>  <%  BookingsDao bookingdao = **new** BookingsDao();  ResultSet rs = bookingdao.getAll();  %>  <h1>Flight Booking History:</h1><hr>  <table border=*"1"*>  <tr>  <th>BookingId</th>  <th>Card Number</th>  <th>Expiry Date</th>  <th>CVV Number</th>  <th>Passenger Details</th>  <th>Payment Amount</th>  <th>No. of persons</th>  <th>Travel Date</th>  <th>Booking Time</th>  <th>Airline</th>  <th>Route</th>  <th>Source</th>  <th>Destination</th>  </tr>    <%  **while** (rs.next()) {  %>  <tr>  <td><%=rs.getInt(1)%></td>  <td><%=rs.getInt(3)%></td>  <td><%=rs.getString(4)%></td>  <td><%=rs.getInt(5)%></td>  <td><%=rs.getString(6)%></td>  <td><%=rs.getInt(7)%></td>  <td><%=rs.getInt(8)%></td>  <td><%=rs.getString(9)%></td>  <td><%=rs.getString(10)%></td>  <td><%=rs.getString(12)%></td>  <td><%=rs.getString(15)%></td>  <td><%=rs.getString(16)%></td>  <td><%=rs.getString(13)%></td>  </tr>  <%}%>    </table>  </body>  </html> |
| **Package: com.flyaway**  **test.java**  package com.flyaway;  import java.sql.Connection;  import java.sql.DriverManager;  import java.sql.PreparedStatement;  import java.sql.ResultSet;  import com.flyaway.Dao.UsersDaoImpl;  import com.flyaway.entities.Users;  public class test {  public static void main(String[] args) {  // TODO Auto-generated method stub  Connection con=null;  PreparedStatement pst=null;  ResultSet rs=null;  try {  Class.forName("com.mysql.cj.jdbc.Driver");  con=DriverManager.getConnection("jdbc:mysql://localhost:3306/testdb1","root","kavin123");  if(con!=null)  System.out.println("success");  }catch(Exception e) {  e.printStackTrace();  }    }  } |
| **Package : com.flyaway.config**  **HibConfig.java**  package com.flyaway.config;  import java.util.Properties;  import org.hibernate.SessionFactory;  import org.hibernate.cfg.Configuration;  import org.hibernate.cfg.Environment;  import com.flyaway.entities.Airlines;  import com.flyaway.entities.Flights;  import com.flyaway.entities.Places;  import com.flyaway.entities.Users;  public class HibConfig {    public static SessionFactory getFactory() {  Configuration configuration = new Configuration();  Properties properties = new Properties();  properties.put(Environment.DRIVER, "com.mysql.cj.jdbc.Driver");  properties.put(Environment.URL, "jdbc:mysql://localhost:3306/testdb1");  properties.put(Environment.USER, "root");  properties.put(Environment.PASS, "kavin123");  properties.put(Environment.SHOW\_SQL, true);  properties.put(Environment.FORMAT\_SQL, true);  properties.put(Environment.HBM2DDL\_AUTO, "update");  configuration.setProperties(properties);  configuration.addAnnotatedClass(Places.class);  configuration.addAnnotatedClass(Airlines.class);  configuration.addAnnotatedClass(Flights.class);  configuration.addAnnotatedClass(Users.class);  return configuration.buildSessionFactory();  }  } |
| **Package: com.flyaway.dao**  **AirlinesDao.java**  package com.flyaway.Dao;  import java.util.List;  import com.flyaway.entities.Airlines;  public interface AirlinesDao {  void insert(Airlines airline);  void update(int ano,Airlines airline);  List<Airlines> getAll();  void delete(int ano);  } |
| **Package: com.flyaway.dao**  **AirlinesDaiImpl.java**  package com.flyaway.Dao;  import java.util.List;  import org.hibernate.query.Query;  import org.hibernate.Session;  import org.hibernate.SessionFactory;  import org.hibernate.Transaction;  import com.flyaway.config.HibConfig;  import com.flyaway.entities.Airlines;  public class AirlinesDaoImpl implements AirlinesDao{  @Override  public void insert(Airlines airline) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  session.save(airline);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }    }  @Override  public void update(int ano, Airlines airline) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Airlines> query=session.createQuery("update com.flyaway.entities.Airlines a set a.airLineCode=?1,a.airLineName=?2 where a.airLineId=?3");  query.setParameter(1, airline.getAirLineCode());  query.setParameter(2, airline.getAirLineName());  query.setParameter(3, ano);  query.executeUpdate();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }    }  @Override  public List<Airlines> getAll() {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  List<Airlines> airlines=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Airlines> query=session.createQuery("select a from com.flyaway.entities.Airlines a");  airlines = query.list();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  return airlines;  }  @Override  public void delete(int ano) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Airlines airline=session.get(Airlines.class, ano);  session.delete(airline);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }    }  } |
| **Package: com.flyaway.dao**  **BookingsDao.java**  package com.flyaway.Dao;  import java.sql.Connection;  import java.sql.DriverManager;  import java.sql.PreparedStatement;  import java.sql.ResultSet;  public class BookingsDao {    public void insert(int fid, int cno, String expdate, int cvv, String pass, int pay, int persons, String tdate, String bookingtime) {    Connection con=null;  PreparedStatement pst=null;  ResultSet rs=null;  try {  Class.forName("com.mysql.cj.jdbc.Driver");  con=DriverManager.getConnection("jdbc:mysql://localhost:3306/testdb1","root","kavin123");  if(con!=null) {  pst =con.prepareStatement("insert into bookings(flightId,cardNo,expiryDate,cvvNumber,PassDetails,paymentAmount,persons,traveldate,bookingTime) values(?,?,?,?,?,?,?,?,?)");  pst.setInt(1, fid);  pst.setInt(2, cno);  pst.setString(3, expdate);  pst.setInt(4, cvv);  pst.setString(5, pass);  pst.setInt(6,pay);  pst.setInt(7, persons);  pst.setString(8, tdate);  pst.setString(9, bookingtime);  int i=pst.executeUpdate();  if(i>0) {  System.out.println("Inserted Successfully");  }  else  {  System.out.println("Not inserted");  }  }  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  }  }    public ResultSet getAll() {  Connection con=null;  PreparedStatement pst=null;  ResultSet rs=null;  try {  Class.forName("com.mysql.cj.jdbc.Driver");  con=DriverManager.getConnection("jdbc:mysql://localhost:3306/testdb1","root","kavin123");  if(con!=null) {  pst =con.prepareStatement("select \* from bookings b,flights f where b.flightId=f.flightId;");  rs=pst.executeQuery();  }  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  }  return rs;  }  } |
| **Package: com.flyaway.dao**  **FlightsDao.java**  package com.flyaway.Dao;  import java.util.List;  import com.flyaway.entities.Flights;  public interface FlightsDao {  void insert(Flights flight);  void update(int id,Flights flight);  void delete (int id);  List<Flights> getAll();  List<Flights> getFlight(String source, String Destination);  Flights getById(int id);    } |
| **Package: com.flyaway.dao**  **FlightsdaoImpl.java**  package com.flyaway.Dao;  import java.util.List;  import org.hibernate.Session;  import org.hibernate.SessionFactory;  import org.hibernate.Transaction;  import org.hibernate.query.Query;  import com.flyaway.config.HibConfig;  import com.flyaway.entities.Flights;  public class FlightsdaoImpl implements FlightsDao {  @Override  public void insert(Flights flight) {  // TODO Auto-generated method stub  SessionFactory factory = null;  Session session = null;  Transaction tx = null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  session.save(flight);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  }  @Override  public void update(int id, Flights flight) {  // TODO Auto-generated method stub  SessionFactory factory = null;  Session session = null;  Transaction tx = null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Flights> query=session.createQuery("update com.flyaway.entities.Flights f set f.airline=?1, f.route=?2, f.price=?3, f.source=?4, f.destination=?5 where f.flightId=?6");  query.setParameter(1, flight.getAirline());  query.setParameter(2, flight.getRoute());  query.setParameter(3, flight.getPrice());  query.setParameter(4, flight.getSource());  query.setParameter(5, flight.getDestination());  query.setParameter(6, id);  query.executeUpdate();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  }  @Override  public void delete(int id) {  // TODO Auto-generated method stub  SessionFactory factory = null;  Session session = null;  Transaction tx = null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Flights fl=session.get(Flights.class, id);  session.delete(fl);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  }  @Override  public List<Flights> getAll() {  // TODO Auto-generated method stub  SessionFactory factory = null;  Session session = null;  Transaction tx = null;  List<Flights> flights=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Flights> query=session.createQuery("select f from com.flyaway.entities.Flights f");  flights = query.list();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  return flights;  }  @Override  public List<Flights> getFlight(String source, String Destination) {  // TODO Auto-generated method stub  SessionFactory factory = null;  Session session = null;  Transaction tx = null;  List<Flights> flights=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Flights> query=session.createQuery("select f from com.flyaway.entities.Flights f where f.source=?1 and f.destination=?2");  query.setParameter(1, source);  query.setParameter(2, Destination);  flights = query.list();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  return flights;  }  @Override  public Flights getById(int id) {  // TODO Auto-generated method stub  SessionFactory factory = null;  Session session = null;  Transaction tx = null;  Flights flight=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Flights> query=session.createQuery("select f from com.flyaway.entities.Flights f where f.flightId=?1");  query.setParameter(1, id);  flight = query.uniqueResult();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  return flight;  }  } |
| **Package: com.flyaway.dao**  **PlacesDao.java**  package com.flyaway.Dao;  import java.util.List;  import com.flyaway.entities.Places;  public interface PlacesDao {  void insert(Places place);  List<Places> getAll();  void update (Places place, int id);  void delete (int id);  Places get(String placename);  } |
| **Package: com.flyaway.dao**  **PlacesDaoImpl.java**  package com.flyaway.Dao;  import java.util.List;  import org.hibernate.Session;  import org.hibernate.SessionFactory;  import org.hibernate.Transaction;  import org.hibernate.query.Query;  import com.flyaway.config.HibConfig;  import com.flyaway.entities.Places;  public class PlacesDaoImpl implements PlacesDao{  @Override  public void insert(Places place) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  session.save(place);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }    }  @Override  public List<Places> getAll() {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  List<Places> places=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Places> query = session.createQuery("select p from com.flyaway.entities.Places p");  places = query.list();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }    return places;  }  @Override  public void update(Places place, int id) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  List<Places> places=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Places> query = session.createQuery("update com.flyaway.entities.Places p set p.placeCode=?1, p.placename=?2 where p.placeId=?3");  query.setParameter(1, place.getPlaceCode());  query.setParameter(2,place.getPlaceName());  query.setParameter(3, id);  query.executeUpdate();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }    }  @Override  public void delete(int id) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Places place = session.get(Places.class,id);  session.delete(place);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  }  @Override  public Places get(String placename) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  Places places=null;  try {  factory = HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Places> query = session.createQuery("select p from com.flyaway.entities.Places p where p.placeName=?1");  query.setParameter(1, placename);  places = query.uniqueResult();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  return places;  }  } |
| **Package: com.flyaway.dao**  **UsersDao.java**  package com.flyaway.Dao;  import java.util.List;  import com.flyaway.entities.Users;  public interface UsersDao {    void addUser(Users user);  void changePassword(String username,String password);  void deleteUser(int uno);  List<Users> getUser(String Username);  } |
| **Package: com.flyaway.dao**  **UsersDaoImpl.java**  package com.flyaway.Dao;  import java.util.List;  import org.hibernate.query.Query;  import org.hibernate.Session;  import org.hibernate.SessionFactory;  import org.hibernate.Transaction;  import com.flyaway.config.HibConfig;  import com.flyaway.entities.Users;  public class UsersDaoImpl implements UsersDao{  @Override  public void addUser(Users user) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  session.save(user);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  }  @Override  public void changePassword(String username, String password) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Users> query =session.createQuery("update com.flyaway.entities.Users u set u.password=?1 where u.userName=?2");  query.setParameter(1, password);  query.setParameter(2, username);  query.executeUpdate();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  }  @Override  public void deleteUser(int uno) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Users usr= session.get(Users.class,uno);  session.delete(usr);  tx.commit();  } catch (Exception e) {  // TODO: handle exception  tx.rollback();  }    }  @Override  public List<Users> getUser(String Username) {  // TODO Auto-generated method stub  SessionFactory factory=null;  Session session=null;  Transaction tx=null;  List<Users> user=null;  try {  factory=HibConfig.getFactory();  session=factory.openSession();  tx=session.beginTransaction();  Query<Users> query = session.createQuery("Select u from com.flyaway.entities.Users u where u.userName=?1");  query.setParameter(1, Username);  user = query.list();  tx.commit();  } catch (Exception e) {  // TODO: handle exception  e.printStackTrace();  tx.rollback();  }  return user;  }  } |
| **Package: com.flyaway.entities**  **Airlines.java**  package com.flyaway.entities;  import javax.persistence.Entity;  import javax.persistence.GeneratedValue;  import javax.persistence.GenerationType;  import javax.persistence.Id;  @Entity  public class Airlines {  @Id  @GeneratedValue(strategy=GenerationType.IDENTITY)  private int airlineId;  private String airLineCode;  private String airLineName;      public Airlines() {  // TODO Auto-generated constructor stub  }  public int getAirlineId() {  return airlineId;  }  public void setAirlineId(int airlineId) {  this.airlineId = airlineId;  }  public String getAirLineCode() {  return airLineCode;  }  public void setAirLineCode(String airLineCode) {  this.airLineCode = airLineCode;  }    public String getAirLineName() {  return airLineName;  }  public void setAirLineName(String airLineName) {  this.airLineName = airLineName;  }      } |
| **Package: com.flyaway.entities**  **Flights.java**  package com.flyaway.entities;  import javax.persistence.Entity;  import javax.persistence.GeneratedValue;  import javax.persistence.GenerationType;  import javax.persistence.Id;  import javax.persistence.JoinColumn;  import javax.persistence.OneToOne;  @Entity  public class Flights {    @Id  @GeneratedValue(strategy=GenerationType.IDENTITY)  private int flightId;  private String airline;  private String route;  private int price;  private String source;  private String destination;    public Flights() {  // TODO Auto-generated constructor stub  }  public int getFlightId() {  return flightId;  }  public void setFlightId(int flightId) {  this.flightId = flightId;  }      public String getAirline() {  return airline;  }  public void setAirline(String airline) {  this.airline = airline;  }  public String getRoute() {  return route;  }  public void setRoute(String route) {  this.route = route;  }  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 int getPrice() {  return price;  }  public void setPrice(int price) {  this.price = price;  }        } |
| **Package: com.flyaway.entities**  **Places.java**  package com.flyaway.entities;  import javax.persistence.Entity;  import javax.persistence.GeneratedValue;  import javax.persistence.GenerationType;  import javax.persistence.Id;  @Entity  public class Places {  @Id  @GeneratedValue(strategy=GenerationType.IDENTITY)  private int placeId;  private String placeCode;  private String placeName;    public Places() {  // TODO Auto-generated constructor stub  }  public int getPlaceId() {  return placeId;  }  public void setPlaceId(int placeId) {  this.placeId = placeId;  }  public String getPlaceCode() {  return placeCode;  }  public void setPlaceCode(String placeCode) {  this.placeCode = placeCode;  }  public String getPlaceName() {  return placeName;  }  public void setPlaceName(String placeName) {  this.placeName = placeName;  }      } |
| **Package: com.flyaway.entities**  **Users.java**  package com.flyaway.entities;  import javax.persistence.Entity;  import javax.persistence.GeneratedValue;  import javax.persistence.GenerationType;  import javax.persistence.Id;  @Entity  public class Users {    @Id  @GeneratedValue(strategy=GenerationType.IDENTITY)  private int userId;  private String userName;  private String password;    public Users() {  // TODO Auto-generated constructor stub  }  public int getUserId() {  return userId;  }  public void setUserId(int userId) {  this.userId = userId;  }  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;  }      } |
| **Package: com.flyaway.servlets**  **AddAirlines.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  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 com.flyaway.Dao.AirlinesDaoImpl;  import com.flyaway.entities.Airlines;  /\*\*  \* Servlet implementation class AddAirlines  \*/  @WebServlet("/AddAirlines")  public class AddAirlines extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public AddAirlines() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  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 {  // TODO Auto-generated method stub  String airlineCode=request.getParameter("code");  String airlineName=request.getParameter("name");  AirlinesDaoImpl AirlinesDao = new AirlinesDaoImpl();  Airlines airlines = new Airlines();  airlines.setAirLineCode(airlineCode);  airlines.setAirLineName(airlineName);    AirlinesDao.insert(airlines);  RequestDispatcher rd = request.getRequestDispatcher("AddAirlines.html");  PrintWriter pw = response.getWriter();  pw.println("<h1>Airline added successfully!!</h1>");    rd.include(request, response);  }  } |
| **Package: com.flyaway.servlets**  **AddFlights.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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.Dao.AirlinesDaoImpl;  import com.flyaway.Dao.PlacesDaoImpl;  import com.flyaway.entities.Airlines;  import com.flyaway.entities.Places;  /\*\*  \* Servlet implementation class AddFlights  \*/  @WebServlet("/AddFlights")  public class AddFlights extends HttpServlet {  private static final long serialVersionUID = 1L;  /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public AddFlights() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse  \* response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  // TODO Auto-generated method stub  PrintWriter pw = response.getWriter();  List<Airlines> airlines = null;  AirlinesDaoImpl airlineDao = new AirlinesDaoImpl();  airlines = airlineDao.getAll();  List<Places> places = null;  PlacesDaoImpl placesDao = new PlacesDaoImpl();  places = placesDao.getAll();  pw.println("<html>\r\n" + "<head>\r\n" + "<meta charset=\"ISO-8859-1\">\r\n" + "<title>Add Flights</title>\r\n"  + "</head>\r\n" + "<body>\r\n" + "<form action=\"AddFlightsAction\" method=\"post\">\r\n"  + " <label for=\"airline\">Select Airline</label><br>\r\n");  pw.println("<select id=\"airline\" name=\"airline\" ><br>\r\n" + "<option value=\"\">Select</option>");  for (Airlines a : airlines) {    pw.println("<option value=\"" + a.getAirLineName() + "\">" + a.getAirLineName() + "</option>");    }  pw.println(" </select><br>"  + " <label for=\"price\">Enter Price:</label><br>\r\n"  + " <input type=\"text\" id=\"price\" name=\"price\"><br>\r\n"  + " <label for=\"source\">Select Source</label><br>\r\n");  pw.println("<select id=\"source\" name=\"source\" ><br>\r\n"  + "<option value=\"\">Select</option>");  for (Places p : places) {    pw.println("<option value=\"" + p.getPlaceName() + "\">" + p.getPlaceName() + "</option>");    }  pw.println(" </select><br>"  + "<label for=\"destination\">Select Destination</label><br>\r\n");  pw.println("<select id=\"destination\" name=\"destination\" ><br>\r\n"  + "<option value=\"\">Select</option>");  for (Places p : places) {    pw.println("<option value=\"" + p.getPlaceName() + "\">" + p.getPlaceName() + "</option>");    }  pw.println(" </select><br>"  + " <input type=\"submit\" value=\"Add Flight\">\r\n"  +"<br><a href=\"ShowFlights\">Show Flights</a>"  +"<br><a href=\"Welcome.jsp\">Go Home</a>"  + "</body>\r\n" + "</html>");    }  /\*\*  \* @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.servlets**  **AddFlightsAction.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  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 com.flyaway.Dao.FlightsdaoImpl;  import com.flyaway.Dao.PlacesDaoImpl;  import com.flyaway.entities.Flights;  import com.flyaway.entities.Places;  /\*\*  \* Servlet implementation class AddFlightsAction  \*/  @WebServlet("/AddFlightsAction")  public class AddFlightsAction extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public AddFlightsAction() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  }  /\*\*  \* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  String airline=request.getParameter("airline");  String route=null;  String source = request.getParameter("source");  String destination = request.getParameter("destination");  int price=Integer.parseInt(request.getParameter("price"));    System.out.println(airline+route+source+destination+price);    PlacesDaoImpl placesdao=new PlacesDaoImpl();  Places sourceObj = placesdao.get(source);  Places destObj = placesdao.get(destination);  route = sourceObj.getPlaceCode()+"-"+destObj.getPlaceCode();    Flights flight = new Flights();  flight.setAirline(airline);  flight.setRoute(route);  flight.setPrice(price);  flight.setSource(source);  flight.setDestination(destination);  FlightsdaoImpl flightsDao = new FlightsdaoImpl();  flightsDao.insert(flight);    RequestDispatcher rd = request.getRequestDispatcher("AddFlights");  PrintWriter pw = response.getWriter();  pw.println("<h1>Flight inserted successfully</h1>");  rd.include(request, response);    }  } |
| **Package: com.flyaway.servlets**  **AddPlace.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  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 com.flyaway.Dao.AirlinesDaoImpl;  import com.flyaway.Dao.PlacesDaoImpl;  import com.flyaway.entities.Airlines;  import com.flyaway.entities.Places;  /\*\*  \* Servlet implementation class AddPlace  \*/  @WebServlet("/AddPlace")  public class AddPlace extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public AddPlace() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  }  /\*\*  \* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  String placeCode=request.getParameter("code");  String placeName=request.getParameter("name");  PlacesDaoImpl PlacesDao = new PlacesDaoImpl();  Places place = new Places();  place.setPlaceCode(placeCode);  place.setPlaceName(placeName);    PlacesDao.insert(place);  RequestDispatcher rd = request.getRequestDispatcher("AddPlace.html");  PrintWriter pw = response.getWriter();  pw.println("<h1>Place added successfully!!</h1>");    rd.include(request, response);  }  } |
| **Package: com.flyaway.servlets**  **AdminValidation.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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 com.flyaway.Dao.UsersDaoImpl;  import com.flyaway.entities.Users;  /\*\*  \* Servlet implementation class AdminValidation  \*/  @WebServlet("/AdminValidation")  public class AdminValidation extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public AdminValidation() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  response.sendRedirect("AdminLogin.html");  }  /\*\*  \* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  String username = request.getParameter("username");  String password = request.getParameter("pass");  String msg="";  UsersDaoImpl user = new UsersDaoImpl();  PrintWriter pw = response.getWriter();  List<Users> usr = user.getUser(username);  for(Users u:usr) {  if(username.equals(u.getUserName())){  if(password.equals(u.getPassword())) {  RequestDispatcher rd = request.getRequestDispatcher("AdminPanel.html");  msg = "Login successfull!!";  pw.println(msg);  rd.forward(request, response);  break;  }else {  msg = msg +"\nIncorrect password!!";  }    }else {  msg = msg+"\n Username not valid!";  }  }    pw.println(msg);  }  } |
| **Package: com.flyaway.servlets**  **BookingConfirmation.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.text.SimpleDateFormat;  import java.util.Date;  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.Dao.BookingsDao;  import com.flyaway.Dao.FlightsdaoImpl;  import com.flyaway.entities.Flights;  /\*\*  \* Servlet implementation class BookingConfirmation  \*/  @WebServlet("/BookingConfirmation")  public class BookingConfirmation extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public BookingConfirmation() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  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 {  // TODO Auto-generated method stub  String passDetails = request.getParameter("passdetails");  int payAmt = Integer.parseInt(request.getParameter("paymentAmount"));  int noofpersons = Integer.parseInt(request.getParameter("persons"));  String dateoftravel = request.getParameter("dtoftravel");  int fid = Integer.parseInt(request.getParameter("flid"));  int crdnum = Integer.parseInt(request.getParameter("cardnumber"));  int cvv=Integer.parseInt(request.getParameter("cvv"));  String expdate = request.getParameter("expiry");  Date date = new Date();  SimpleDateFormat format = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss") ;  String currentDateTime = format.format(date);  String[] passengers=passDetails.split(",");  FlightsdaoImpl flightdao = new FlightsdaoImpl();  Flights flight = flightdao.getById(fid);  BookingsDao bookingDao=new BookingsDao();    try {  bookingDao.insert(fid, crdnum, expdate, cvv, passDetails, payAmt, noofpersons, dateoftravel, currentDateTime);  }catch(Exception e) {  e.printStackTrace();  }  PrintWriter pw = response.getWriter();  pw.println("<html><body>");  pw.println("<h1>Flight Booking Confirmed!!!</h1>");  pw.println("-------------------------------------------------------------------------------------");  pw.println("<b><br>BOOKING DETAILS:</b>");  pw.println("<br>Travel Date :" + dateoftravel);  pw.println("<br>No. of persons :" + noofpersons);  pw.println("<br><br><b>Flight details:</b>");  pw.println("<br>Airline :"+flight.getAirline());  pw.println("<br>Route :"+flight.getRoute());  pw.println("<br>Boarding at :"+flight.getSource());  pw.println("<br>Destination :"+flight.getDestination());  pw.println("<br><br><b>Passenger details:</b>");  int i=1;  for(String s:passengers) {  pw.println("<br>Passenger "+i+": "+s);  }  pw.println("<br><br><b>Payment details:</b>");  pw.println("<br>Amount paid : <b>" + payAmt+" INR</b>");  pw.println("<br>Card Number :" + crdnum);    pw.println("<br><br><center>Thank you for choosing FlyAway as your trusted travel partner. Excited to serve u again!!</center>");  pw.println("<html><body>");    }  } |
| **Package: com.flyaway.servlets**  **ChangePassword.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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.Dao.UsersDaoImpl;  import com.flyaway.entities.Users;  /\*\*  \* Servlet implementation class ChangePassword  \*/  @WebServlet("/ChangePassword")  public class ChangePassword extends HttpServlet {  private static final long serialVersionUID = 1L;  /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public ChangePassword() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse  \* response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  // TODO Auto-generated method stub  }  /\*\*  \* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse  \* response)  \*/  protected void doPost(HttpServletRequest request, HttpServletResponse response)  throws ServletException, IOException {  // TODO Auto-generated method stub  String username = "admin";  String oldpassword = request.getParameter("oldpass");  String newPassword = request.getParameter("newpass");  String newPassword1 = request.getParameter("newpass1");  PrintWriter pw = response.getWriter();  UsersDaoImpl userDao = new UsersDaoImpl();  List<Users> usrs = userDao.getUser(username);  if (usrs != null) {  for (Users u : usrs) {  String pass = u.getPassword();  if (pass.equals(oldpassword)) {  if (newPassword.equals(newPassword1)) {  userDao.changePassword(username, newPassword1);  pw.println("<html><body>");  pw.println("Password successfully changed!!");  pw.println("<br>");  pw.println("<a href=\"Welcome.jsp\">Go to home</a>");  pw.println("</html></body>");  break;  } else {  pw.println("<html><body>");  pw.println("Passwords doesn't match!!");  pw.println("<br>");  pw.println("<a href=\"ChangePassword.html\">Go back</a>");  pw.println("</html></body>");  }  } else {  pw.println("<html><body>");  pw.println("Incorrect old password !!");  pw.println("<br>");  pw.println("<a href=\"ChangePassword.html\">Go back</a>");  pw.println("</html></body>");  }  }  } else {  pw.println("<html><body>");  pw.println("User not found exception!!");  pw.println("<br>");  pw.println("<a href=\"ChangePassword.html\">Go back</a>");  pw.println("</html></body>");  }  }  } |
| **Package: com.flyaway.servlets**  **SearchFlight.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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 com.flyaway.Dao.FlightsdaoImpl;  import com.flyaway.entities.Flights;  /\*\*  \* Servlet implementation class SearchFlight  \*/  @WebServlet("/SearchFlight")  public class SearchFlight extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public SearchFlight() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  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 {    String traveldate = request.getParameter("traveldate");  String source = request.getParameter("source");  String destination = request.getParameter("destination");  String persons = request.getParameter("persons");    List<Flights> flights=null;  FlightsdaoImpl flightsDao=new FlightsdaoImpl();  flights = flightsDao.getFlight(source, destination);    PrintWriter pw =response.getWriter();  RequestDispatcher rd = request.getRequestDispatcher("BookFlight.jsp");    pw.println("<html><body>");  pw.println("<br><table border=\"1\"><tr><th>FLIGHT ID</th><th>AIRLINE</th><th>ROUTE</th><th>PRICE</th><th>SOURCE</th><th>DESTINATION</th></tr>");    for(Flights f:flights) {  pw.println("<tr>");  pw.println("<td>"+f.getFlightId()+"</td>");  pw.println("<td>"+f.getAirline()+"</td>");  pw.println("<td>"+f.getRoute()+"</td>");  pw.println("<td>"+f.getPrice()+"</td>");  pw.println("<td>"+f.getSource()+"</td>");  pw.println("<td>"+f.getDestination()+"</td>");  pw.println("</tr>");    }      pw.println("</body></html>");  rd.include(request, response);  }      } |
| **Package: com.flyaway.servlets**  **ShowAirlines.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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.Dao.AirlinesDaoImpl;  import com.flyaway.entities.Airlines;  /\*\*  \* Servlet implementation class ShowAirlines  \*/  @WebServlet("/ShowAirlines")  public class ShowAirlines extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public ShowAirlines() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  PrintWriter pw =response.getWriter();  List<Airlines> airlines=null;  AirlinesDaoImpl airlineDao=new AirlinesDaoImpl();  airlines=airlineDao.getAll();    pw.println("<html><body>");  pw.println("<table border=\"1\"><tr><th>Airline ID</th><th>Airline Code</th><th>Airline Name</th></tr>");    for(Airlines a:airlines) {  pw.println("<tr>");  pw.println("<td>"+a.getAirlineId()+"</td>");  pw.println("<td>"+a.getAirLineCode()+"</td>");  pw.println("<td>"+a.getAirLineName()+"</td>");  pw.println("</tr>");    }  pw.println("<br><a href=\"AddAirlines.html\"> Click here to add airlines</a>");    pw.println("</body></html>");  }  /\*\*  \* @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.servlets**  **ShowFlights.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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.Dao.AirlinesDaoImpl;  import com.flyaway.Dao.FlightsdaoImpl;  import com.flyaway.entities.Airlines;  import com.flyaway.entities.Flights;  /\*\*  \* Servlet implementation class ShowFlights  \*/  @WebServlet("/ShowFlights")  public class ShowFlights extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public ShowFlights() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  // TODO Auto-generated method stub  PrintWriter pw =response.getWriter();  List<Flights> flights=null;  FlightsdaoImpl flightDao=new FlightsdaoImpl();  flights=flightDao.getAll();    pw.println("<html><body>");  pw.println("<table border=\"1\"><tr><th>FLIGHT ID</th><th>AIRLINE</th><th>ROUTE</th><th>PRICE</th><th>SOURCE</th><th>DESTINATION</th></tr>");    for(Flights f:flights) {  pw.println("<tr>");  pw.println("<td>"+f.getFlightId()+"</td>");  pw.println("<td>"+f.getAirline()+"</td>");  pw.println("<td>"+f.getRoute()+"</td>");  pw.println("<td>"+f.getPrice()+"</td>");  pw.println("<td>"+f.getSource()+"</td>");  pw.println("<td>"+f.getDestination()+"</td>");  pw.println("</tr>");    }  pw.println("<br><a href=\"AddFlights\"> Click here to add Flights</a>");    pw.println("</body></html>");  }  /\*\*  \* @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.servlets**  **ShowPlaces.java**  package com.flyaway.servlets;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.List;  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.Dao.AirlinesDaoImpl;  import com.flyaway.Dao.PlacesDaoImpl;  import com.flyaway.entities.Airlines;  import com.flyaway.entities.Places;  /\*\*  \* Servlet implementation class ShowPlaces  \*/  @WebServlet("/ShowPlaces")  public class ShowPlaces extends HttpServlet {  private static final long serialVersionUID = 1L;    /\*\*  \* @see HttpServlet#HttpServlet()  \*/  public ShowPlaces() {  super();  // TODO Auto-generated constructor stub  }  /\*\*  \* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  \*/  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  PrintWriter pw =response.getWriter();  List<Places> places=null;  PlacesDaoImpl placeDao=new PlacesDaoImpl();  places=placeDao.getAll();    pw.println("<html><body>");  pw.println("<table border=\"1\"><tr><th>Place ID</th><th>Place Code</th><th>Place Name</th></tr>");    for(Places a:places) {  pw.println("<tr>");  pw.println("<td>"+a.getPlaceId()+"</td>");  pw.println("<td>"+a.getPlaceCode()+"</td>");  pw.println("<td>"+a.getPlaceName()+"</td>");  pw.println("</tr>");    }  pw.println("<br><a href=\"AddPlace.html\"> Click here to add places</a>");    pw.println("</body></html>");  }  /\*\*  \* @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);  }  } |