(Source Code)

Fly Away Project

(Web Application)

**Hibernate Configuration:**

hibernate.cfg.xml 🡪

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name="dialect">org.hibernate.dialect.OracleDialect</property>

<property name="connection.url">jdbc:oracle:thin:@localhost:1521:ORCLE</property>

<property name="connection.username">system</property>

<property name="connection.password">system</property>

<property name="connection.driver\_class">oracle.jdbc.driver.OracleDriver</property>

<property name="hbm2ddl.auto">update</property>

<property name="show\_sql">true</property>

<mapping class="com.simplilearn.UserCred" />

<mapping class="com.simplilearn.Flight" />

</session-factory>

</hibernate-configuration>

**DAO Layer:**

FlightDao.java 🡪

package com.simplilearn.dao;

import java.util.ArrayList;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.simplilearn.model.Flight;

import com.simplilearn.util.HibernateUtil;

public class FlightDao {

public static Transaction transaction;

public static Session session;

public boolean addFlight(Flight flight) {

boolean validUserFlag = false;

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Save the Flight object and commit transaction

session.save(flight);

transaction.commit();

validUserFlag = true;

} catch (Exception e) {

// Rolling back transaction if it is not successful

if (transaction != null) {

System.out.println("Rolling back transaction as some error occured while saving flight Object");

transaction.rollback();

}

}

return validUserFlag;

}

public List<Flight> getFlights(Flight flight, Integer seatsToBook) {

List<Flight> flights = new ArrayList<Flight>();

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

System.out.println("Initiating session for fetching flights...");

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Creating Query to fetch available flights which are matching provided criteria

String queryString = "from Flight where from\_location = '" + flight.getFromLocation() + "' AND ";

queryString = queryString + "to\_location = '" + flight.getToLocation() + "' AND ";

queryString = queryString + "departure = '" + flight.getDeparture() + "' AND available\_seats > "

+ seatsToBook;

System.out.println(queryString);

// Fetching list of available flights and committing transaction

flights = session.createQuery(queryString).list();

transaction.commit();

} catch (Exception e) {

// Rolling back transaction if it is not successful

if (transaction != null) {

System.out.println("Rolling back transaction as some error occured while fetching flight Objects");

transaction.rollback();

}

}

return flights;

}

public List<Flight> getAllFlights() {

List<Flight> allFlights = new ArrayList<Flight>();

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Fetching list of available flights and committing transaction

allFlights = session.createQuery("from Flight").list();

System.out.println(allFlights);

transaction.commit();

} catch (Exception e) {

// Rolling back transaction if it is not successful

if (transaction != null) {

System.out.println("Rolling back transaction as some error occured while fetching flight Objects");

transaction.rollback();

}

}

return allFlights;

}

public boolean bookSeats(Integer flightId) {

boolean seatBookFlag = false;

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Fetching Flight object and updating available seats and then committing the transaction

Flight flight = session.get(Flight.class, flightId);

if (flight != null) {

flight.setAvailableSeats(flight.getAvailableSeats() - 1);

session.update(flight);

transaction.commit();

seatBookFlag = true;

}

} catch (Exception e) {

// Rolling back transaction if it is not successful

if (transaction != null) {

System.out.println("Rolling back transaction as some error occured while booking flight");

transaction.rollback();

}

}

return seatBookFlag;

}

public boolean deleteFlight(Integer flightId) {

boolean flightDeletionFlag = false;

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Fetching Flight object and deleting that flight and then committing the transaction

Flight flight = session.get(Flight.class, flightId);

if (flight != null) {

session.delete(flight);

transaction.commit();

flightDeletionFlag = true;

}

} catch (Exception e) {

// Rolling back transaction if it is not successful

if (transaction != null) {

System.out.println("Rolling back transaction as some error occured while deleting flight");

transaction.rollback();

}

}

return flightDeletionFlag;

}}

UserDao.java 🡪

package com.simplilearn.dao;

import org.hibernate.Session;

import org.hibernate.Transaction;

import com.simplilearn.model.UserCred;

import com.simplilearn.util.HibernateUtil;

public class UserDao {

public static Transaction transaction;

public static Session session;

public boolean validateUser(UserCred userCred) {

boolean validUserFlag = false;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

// Fetching user based on user name provided

UserCred tempUserCred = (UserCred) session.get(UserCred.class, userCred.getUserName());

// Validating Password with temporarily stored user from DB for provided user name

if (tempUserCred == null) {

return validUserFlag;

} else {

if (tempUserCred.getPassword().equals(userCred.getPassword())) {

validUserFlag = true;

return validUserFlag;

}

}

} catch (Exception e) {

System.out.println("Some error occured while validating user...");

}

return validUserFlag;

}

public boolean saveUser(UserCred userCred) {

boolean validUserFlag = false;

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Save the User object and commit transaction

session.save(userCred);

transaction.commit();

validUserFlag = true;

} catch (Exception e) {

// Rolling back transaction if user is not saved successfully

if (transaction != null) {

System.out.println("Rolling back transaction as either some error occured or same user name already exists in database...");

transaction.rollback();

}

}

return validUserFlag;

}

public boolean updatePassword(UserCred userCred) {

boolean validUserFlag = false;

transaction = null;

try {

// Open session if it is not already open and begin transaction

if (session == null) {

session = HibernateUtil.sessionFactory.openSession();

}

transaction = session.beginTransaction();

// Fetching Used based on user name provided

UserCred tempUser = (UserCred) session.load(UserCred.class, userCred.getUserName());

// Updating password for fetched user and committing transaction

tempUser.setPassword(userCred.getPassword());

transaction.commit();

validUserFlag = true;

} catch (Exception e) {

// Rolling back transaction if password is not updated successfully

if (transaction != null) {

System.out.println("Rolling back transaction as some error occured while updating password for admin");

transaction.rollback();

}

}

return validUserFlag;

}

}

**Model Layer:**

Flight.java 🡪

package com.simplilearn.model;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name = "flight")

public class Flight {

//Instance Variable Declaration

@Id

@GeneratedValue(strategy = GenerationType.AUTO)

@Column(name = "id")

private Integer id;

@Column(name = "name")

private String name;

@Column(name = "from\_location")

private String fromLocation;

@Column(name = "to\_location")

private String toLocation;

@Column(name = "departure")

private String departure;

@Column(name = "time")

private String time;

@Column(name = "price")

private Integer price;

@Column(name = "available\_seats")

private Integer availableSeats;

//Non-parameterized and parameterized Constructor

public Flight() {

}

// Getters and Setters

public Integer getId() {

return id;

}

public void setId(Integer id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getFromLocation() {

return fromLocation;

}

public void setFromLocation(String fromLocation) {

this.fromLocation = fromLocation;

}

public String getToLocation() {

return toLocation;

}

public void setToLocation(String toLocation) {

this.toLocation = toLocation;

}

public String getDeparture() {

return departure;

}

public void setDeparture(String departure) {

this.departure = departure;

}

public String getTime() {

return time;

}

public void setTime(String time) {

this.time = time;

}

public Integer getPrice() {

return price;

}

public void setPrice(Integer price) {

this.price = price;

}

public Integer getAvailableSeats() {

return availableSeats;

}

public void setAvailableSeats(Integer availableSeats) {

this.availableSeats = availableSeats;

}

//To String Method

@Override

public String toString() {

return "Flight [id=" + id + ", name=" + name + ", fromLocation=" + fromLocation + ", toLocation=" + toLocation

+ ", departure=" + departure + ", time=" + time + ", price=" + price + ", availableSeats="

+ availableSeats + "]";

}

}

UserCred.java 🡪

package com.simplilearn.model;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name = "user\_cred")

public class UserCred {

//Instance Variable Declaration

@Id

@Column(name = "user\_name")

private String userName;

@Column(name = "password")

private String password;

@Column(name = "name")

private String name;

@Column(name = "phone", length = 10)

private String phone;

@Column(name = "aadhar", length = 12)

private String aadhar;

//Non-parameterized Constructor

public UserCred() {

}

// Getters and Setters

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;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getPhone() {

return phone;

}

public void setPhone(String phone) {

this.phone = phone;

}

public String getAadhar() {

return aadhar;

}

public void setAadhar(String aadhar) {

this.aadhar = aadhar;

}

//To String Method

@Override

public String toString() {

return "UserCred [userName=" + userName + ", password=" + password + ", name=" + name + ", phone=" + phone

+ ", aadhar=" + aadhar + "]";

}

}

**Util Layer:**

HibernateUtil.java🡪

package com.simplilearn.util;

import javax.servlet.http.HttpSession;

import org.hibernate.SessionFactory;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import com.simplilearn.model.Flight;

import com.simplilearn.model.UserCred;

public class HibernateUtil {

public static SessionFactory sessionFactory;

public static HttpSession newHttpSession;

static {

if (sessionFactory == null) {

try {

// Creating connection with DB

Configuration configuration = new Configuration().configure();

configuration.addAnnotatedClass(UserCred.class);

configuration.addAnnotatedClass(Flight.class);

StandardServiceRegistryBuilder builder = new StandardServiceRegistryBuilder()

.applySettings(configuration.getProperties());

sessionFactory = configuration.buildSessionFactory(builder.build());

System.out.println("Connection With DB is Successfully Established...");

} catch (Exception e) {

System.out.println("Some error occured while connecting to database...");

e.printStackTrace();

}

}

}

}

**Web (Servlets) Layer:**

UserLogin.java🡪

package com.simplilearn.web;

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.simplilearn.dao.UserDao;

import com.simplilearn.model.UserCred;

import com.simplilearn.util.HibernateUtil;

@WebServlet("/UserLogin")

public class UserLogin extends HttpServlet {

private static final long serialVersionUID = 1L;

private static UserDao userDao;

private static PrintWriter out;

public void init() throws ServletException {

userDao = new UserDao();

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

validateUser(request, response);

}

public void validateUser(HttpServletRequest request, HttpServletResponse response) throws IOException {

RequestDispatcher requestDispatcher1 = request.getRequestDispatcher("SearchFlight.jsp");

RequestDispatcher requestDispatcher2 = request.getRequestDispatcher("UserLogin.jsp");

out = response.getWriter();

String message;

UserCred userCred = new UserCred();

userCred.setUserName(request.getParameter("email"));

userCred.setPassword(request.getParameter("password"));

boolean validUserFlag = userDao.validateUser(userCred);

if (validUserFlag) {

try {

if (HibernateUtil.newHttpSession == null) {

HibernateUtil.newHttpSession = request.getSession();

HibernateUtil.newHttpSession.setAttribute("email", userCred.getUserName());

} else {

HibernateUtil.newHttpSession = null;

HibernateUtil.newHttpSession = request.getSession();

}

requestDispatcher1.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to SearchFlight.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">Invalid User Email/Password...</p></div>";

out.println(message);

try {

requestDispatcher2.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to UserLogin.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

@Override

public void destroy() {

HibernateUtil.sessionFactory.close();

out.close();

}

}

DeleteFlight.java🡪

package com.simplilearn.web;

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 com.simplilearn.dao.FlightDao;

@WebServlet("/DeleteFlight")

public class DeleteFlight extends HttpServlet {

private static final long serialVersionUID = 1L;

private static FlightDao flightDao;

@Override

public void init() {

flightDao = new FlightDao();

}

@Override

protected void service(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

deleteFlight(request, response);

}

public void deleteFlight(HttpServletRequest request, HttpServletResponse response) {

RequestDispatcher requestDispatcher = request.getRequestDispatcher("DeletionStatus.jsp");

boolean deletionStatus = false;

if (request.getParameter("id") != null) {

Integer flightId = Integer.parseInt(request.getParameter("id"));

deletionStatus = flightDao.deleteFlight(flightId);

request.setAttribute("deletionStatus", !deletionStatus);

request.setAttribute("deletedflightId", flightId);

try {

requestDispatcher.include(request, response);

} catch (ServletException e1) {

System.out.println("Servlet Exception occured while redirecting to DeletionStatus.jsp page...");

System.out.println("Please Try Again by restarting the application...");

} catch (IOException e2) {

System.out.println("IO Exception occured while redirecting to DeletionStatus.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

}

ViewAllFlights.java🡪

package com.simplilearn.web;

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.simplilearn.dao.FlightDao;

import com.simplilearn.model.Flight;

import com.simplilearn.util.HibernateUtil;

@WebServlet("/ViewAllFlights")

public class ViewAllFlights extends HttpServlet {

private static final long serialVersionUID = 1L;

private static FlightDao flightDao;

private static PrintWriter out;

public void init() throws ServletException {

flightDao = new FlightDao();

}

@Override

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

fetchAllFlights(request, response);

}

public void fetchAllFlights(HttpServletRequest request, HttpServletResponse response) {

RequestDispatcher requestDispatcher1 = request.getRequestDispatcher("ViewAllFlights.jsp");

RequestDispatcher requestDispatcher2 = request.getRequestDispatcher("AdminHome.jsp");

try {

out = response.getWriter();

} catch (IOException e1) {

System.out.println("IO Exception occured while getting printwriter object...");

System.out.println("Please Try Again by restarting the application...");

}

List<Flight> allFlightsList = flightDao.getAllFlights();

if (!allFlightsList.isEmpty()) {

try {

request.setAttribute("allFlights", allFlightsList);

HibernateUtil.newHttpSession.setAttribute("allFlights", allFlightsList);

requestDispatcher1.include(request, response);

} catch (ServletException e2) {

System.out.println("Servlet Exception occured while redirecting to ViewAllFlights.jsp page...");

System.out.println("Please Try Again by restarting the application...");

} catch (IOException e3) {

System.out.println("IO Exception occured while redirecting to ViewAllFlights.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

String message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">No Flights Available...</p></div>";

out.println(message);

try {

requestDispatcher2.include(request, response);

} catch (ServletException e2) {

System.out.println("Servlet Exception occured while redirecting to AdminHome.jsp page...");

System.out.println("Please Try Again by restarting the application...");

} catch (IOException e3) {

System.out.println("IO Exception occured while redirecting to AdminHome.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

}

SearchFlight.java🡪

package com.simplilearn.web;

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.simplilearn.dao.FlightDao;

import com.simplilearn.model.Flight;

import com.simplilearn.util.HibernateUtil;

@WebServlet("/SearchFlight")

public class SearchFlight extends HttpServlet {

private static final long serialVersionUID = 1L;

private static FlightDao flightDao;

private static PrintWriter out;

public void init() throws ServletException {

flightDao = new FlightDao();

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

searchFlight(request, response);

}

public void searchFlight(HttpServletRequest request, HttpServletResponse response) throws IOException {

RequestDispatcher requestDispatcher1 = request.getRequestDispatcher("AvailableFlights.jsp");

RequestDispatcher requestDispatcher2 = request.getRequestDispatcher("SearchFlight.jsp");

out = response.getWriter();

Integer seatsToBook = Integer.parseInt(request.getParameter("travellers"));

Flight flight = new Flight();

flight.setFromLocation(request.getParameter("fromLocation"));

flight.setToLocation(request.getParameter("toLocation"));

flight.setDeparture(request.getParameter("departure"));

List<Flight> flightsList = flightDao.getFlights(flight, seatsToBook);

if (!flightsList.isEmpty()) {

try {

request.setAttribute("list", flightsList);

HibernateUtil.newHttpSession.setAttribute("list", flightsList);

requestDispatcher1.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AvailableFlights.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

String message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">No Flights Available...</p></div>";

out.println(message);

try {

requestDispatcher2.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to SearchFlight.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

@Override

public void destroy() {

out.close();

}

}

PasswordReset.java🡪

package com.simplilearn.web;

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.simplilearn.dao.UserDao;

import com.simplilearn.model.UserCred;

@WebServlet("/PasswordReset")

public class PasswordReset extends HttpServlet {

private static final long serialVersionUID = 1L;

private static UserDao userDao;

private static PrintWriter out;

public void init() throws ServletException {

userDao = new UserDao();

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

updatePassword(request, response);

}

public void updatePassword(HttpServletRequest request, HttpServletResponse response) throws IOException {

RequestDispatcher requestDispatcher = request.getRequestDispatcher("AdminLogin.jsp");

out = response.getWriter();

String message;

UserCred userCred = new UserCred();

userCred.setUserName(request.getParameter("email"));

userCred.setPassword(request.getParameter("password"));

boolean validUserFlag = userDao.updatePassword(userCred);

if (validUserFlag) {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: green; font-size: x-large; background-color: thistle;\">Password Successfully Reset for Admin...</p></div>";

out.println(message);

try {

requestDispatcher.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AdminLogin.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">Not able to Reset Password... Please Contact Administrator...</p></div>";

out.println(message);

try {

requestDispatcher.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AdminLogin.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

@Override

public void destroy() {

out.close();

}

}

NewFlight.java🡪

package com.simplilearn.web;

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.simplilearn.dao.FlightDao;

import com.simplilearn.model.Flight;

@WebServlet("/NewFlight")

public class NewFlight extends HttpServlet {

private static final long serialVersionUID = 1L;

private static FlightDao flightDao;

private static PrintWriter out;

public void init() throws ServletException {

flightDao = new FlightDao();

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

addNewFlight(request, response);

}

public void addNewFlight(HttpServletRequest request, HttpServletResponse response) throws IOException {

RequestDispatcher requestDispatcher = request.getRequestDispatcher("AdminHome.jsp");

out = response.getWriter();

String message;

Flight flight = new Flight();

flight.setName(request.getParameter("name"));

flight.setFromLocation(request.getParameter("fromLocation"));

flight.setToLocation(request.getParameter("toLocation"));

flight.setDeparture(request.getParameter("departure"));

flight.setTime(request.getParameter("time"));

flight.setPrice(Integer.parseInt(request.getParameter("price")));

flight.setAvailableSeats(Integer.parseInt(request.getParameter("seats")));

boolean validUserFlag = flightDao.addFlight(flight);

if (validUserFlag) {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: green; font-size: x-large; background-color: thistle;\">New Flight "

+ flight.getName() + " Added Successfully...</p></div>";

out.println(message);

try {

requestDispatcher.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AdminHome.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">Not able to Add Flight "

+ flight.getName() + "</p></div>";

out.println(message);

try {

requestDispatcher.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AdminHome.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

@Override

public void destroy() {

out.close();

}

}

FlightBooking.java🡪

package com.simplilearn.web;

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 com.simplilearn.dao.FlightDao;

@WebServlet("/FlightBooking")

public class FlightBooking extends HttpServlet {

private static final long serialVersionUID = 1L;

private static FlightDao flightDao;

@Override

public void init() throws ServletException {

flightDao = new FlightDao();

}

@Override

protected void service(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

System.out.println("Inside Service....");

bookFlight(request, response);

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String action = request.getServletPath();

if (action == "/FlightBooking") {

bookFlight(request, response);

System.out.println("Inside deGet....");

}

}

public void bookFlight(HttpServletRequest request, HttpServletResponse response)

throws IOException, ServletException {

RequestDispatcher requestDispatcher = request.getRequestDispatcher("BookingStatus.jsp");

boolean bookingSuccess = false;

System.out.println("id from book flight 1 : " + request.getParameter("id"));

if (request.getParameter("id") != null) {

Integer flightId = Integer.parseInt(request.getParameter("id"));

bookingSuccess = flightDao.bookSeats(flightId);

request.setAttribute("bookingStatus", bookingSuccess);

requestDispatcher.include(request, response);

}

}

}

CreateAccount.java🡪

package com.simplilearn.web;

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.simplilearn.dao.UserDao;

import com.simplilearn.model.UserCred;

@WebServlet("/CreateAccount")

public class CreateAccount extends HttpServlet {

private static final long serialVersionUID = 1L;

private static UserDao userDao;

private static PrintWriter out;

public void init() throws ServletException {

userDao = new UserDao();

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

createNewAccount(request, response);

}

public void createNewAccount(HttpServletRequest request, HttpServletResponse response) throws IOException {

RequestDispatcher requestDispatcher = request.getRequestDispatcher("UserLogin.jsp");

out = response.getWriter();

String message;

UserCred userCred = new UserCred();

userCred.setUserName(request.getParameter("email"));

userCred.setPassword(request.getParameter("password"));

userCred.setName(request.getParameter("name"));

userCred.setPhone(request.getParameter("phone"));

userCred.setAadhar(request.getParameter("aadhar"));

boolean validUserFlag = userDao.saveUser(userCred);

if (validUserFlag) {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: green; font-size: x-large; background-color: thistle;\">User Account Created Successfully...</p></div>";

out.println(message);

try {

requestDispatcher.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to UserLogin.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">Not Able to Create New User Account... Please Try Again with Different User Name...</p></div>";

out.println(message);

try {

requestDispatcher.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to UserLogin.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

System.out.println();

}

@Override

public void destroy() {

out.close();

}

}

AdminLogin.java🡪

package com.simplilearn.web;

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.simplilearn.dao.UserDao;

import com.simplilearn.model.UserCred;

import com.simplilearn.util.HibernateUtil;

@WebServlet("/AdminLogin")

public class AdminLogin extends HttpServlet {

private static final long serialVersionUID = 1L;

private static UserDao userDao;

private static PrintWriter out;

public void init() throws ServletException {

userDao = new UserDao();

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

validateUser(request, response);

}

public void validateUser(HttpServletRequest request, HttpServletResponse response) throws IOException {

RequestDispatcher requestDispatcher1 = request.getRequestDispatcher("AdminHome.jsp");

RequestDispatcher requestDispatcher2 = request.getRequestDispatcher("AdminLogin.jsp");

boolean validAdminFlag = false;

String message;

out = response.getWriter();

UserCred userCred = new UserCred();

userCred.setUserName(request.getParameter("email"));

userCred.setPassword(request.getParameter("password"));

if (userCred.getUserName().equals("admin@gmail.com")) {

validAdminFlag = userDao.validateUser(userCred);

}

if (validAdminFlag) {

try {

if (HibernateUtil.newHttpSession == null) {

HibernateUtil.newHttpSession = request.getSession();

HibernateUtil.newHttpSession.setAttribute("email", userCred.getUserName());

}else {

HibernateUtil.newHttpSession = null;

HibernateUtil.newHttpSession = request.getSession();

HibernateUtil.newHttpSession.setAttribute("email", userCred.getUserName());

}

requestDispatcher1.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AdminHome.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

} else {

message = "<div align=\"center\"><p style=\"width: 30%; text-align: center; color: red; font-size: x-large; background-color: thistle;\">Invalid Admin Email/Password...</p></div>";

out.println(message);

try {

requestDispatcher2.include(request, response);

} catch (ServletException e) {

System.out.println("Some Error occured while redirecting to AdminLogin.jsp page...");

System.out.println("Please Try Again by restarting the application...");

}

}

}

}

**UI Layer:**

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>Archetype Created Web Application</display-name>

<servlet>

<servlet-name>AdminLogin</servlet-name>

<display-name>AdminLogin</display-name>

<description></description>

<servlet-class>com.simplilearn.web.AdminLogin</servlet-class>

</servlet>

<servlet>

<servlet-name>CreateAccount</servlet-name>

<display-name>CreateAccount</display-name>

<description></description>

<servlet-class>com.simplilearn.web.CreateAccount</servlet-class>

</servlet>

<servlet>

<servlet-name>FlightBooking</servlet-name>

<display-name>FlightBooking</display-name>

<description></description>

<servlet-class>com.simplilearn.web.FlightBooking</servlet-class>

</servlet>

<servlet>

<servlet-name>NewFlight</servlet-name>

<display-name>NewFlight</display-name>

<description></description>

<servlet-class>com.simplilearn.web.NewFlight</servlet-class>

</servlet>

<servlet>

<servlet-name>PasswordReset</servlet-name>

<display-name>PasswordReset</display-name>

<description></description>

<servlet-class>com.simplilearn.web.PasswordReset</servlet-class>

</servlet>

<servlet>

<servlet-name>SearchFlight</servlet-name>

<display-name>SearchFlight</display-name>

<description></description>

<servlet-class>com.simplilearn.web.SearchFlight</servlet-class>

</servlet>

<servlet>

<servlet-name>UserLogin</servlet-name>

<display-name>UserLogin</display-name>

<description></description>

<servlet-class>com.simplilearn.web.UserLogin</servlet-class>

</servlet>

</web-app>

AdminHome.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Admin Home</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<%

System.out.println(HibernateUtil.newHttpSession);

**if** (HibernateUtil.newHttpSession == **null**) {

response.sendRedirect("AdminLogin.jsp");

} **else** {

%>

<br>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>Welcome to Fly Away</b></font>

</div>

<br>

<div align=*"right"*>

<p style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *wheat*; font-size: *larger*;">

<b>User: </b> <%=HibernateUtil.newHttpSession.getAttribute("email")%>

</p>

<a href=*"LogOut.jsp"*>Log Out</a>

</div>

<br>

<br>

<br>

<br>

<br>

<div align=*"center"*>

<div style="width: *20%*; border: *1px solid black*; background-color: *rosybrown*;">

<a href=*"NewFlight.jsp"*>Add New Flight</a>

<br>

<a href=*"SearchFlight.jsp"*>Search for a Flight</a>

</div>

</div>

<%

}

%>

</body>

</html>

AdminLogin.jsp 🡪

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Admin Login</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<br>

<br>

<br>

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

<table align=*"center"*

style="width: *25%*; height: *20%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3*>

<center>

<font size=*5*><b>Admin Login</b></font>

</center>

</td>

</tr>

<tr>

<td><label for=*"email"*>Email :</label></td>

<td><input type=*"email"* name=*"email"* pattern=*"[A-Za-z0-9]\*[@][a-z]\*[.](com|in|org)"* id=*"email"*

placeholder=*"Enter Email in format 'user@gmail.com'"* size=*"35"* required /></td>

</tr>

<tr>

<td><label for=*"password"*>Password :</label></td>

<td><input type=*"password"* name=*"password"* id=*"password"* size=*"35"* required></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

<tr>

<td colspan=*"3"* align=*"right"*>

<a href=*"PasswordReset.jsp"*>Forgot Password</a>

</td>

</tr>

</table>

</form>

</body>

</html>

AvailableFlights.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

<%@page import=*"com.simplilearn.model.Flight"*%>

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

pageEncoding=*"UTF-8"*%>

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>

<html>

<head>

<title>Available Flights</title>

<style>

**table,** **th,** **thead,** **tbody,** **td** {

border: *2px solid black*;

border-collapse: *collapse*;

}

</style>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<%

**if** (HibernateUtil.newHttpSession == **null**) {

response.sendRedirect("index.jsp");

} **else** {

List<Flight> flightList = (List) HibernateUtil.newHttpSession.getAttribute("list");

**if** ((flightList != **null**) && (!flightList.isEmpty())) {

%>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<div align=*"right"*>

<p

style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *wheat*; font-size: *larger*;">

<b>User: </b> <%=HibernateUtil.newHttpSession.getAttribute("email")%>

</p>

<a href=*"LogOut.jsp"*>Log Out</a>

</div>

<br>

<br>

<br>

<br>

<br>

<center>

<div style="width: *80%*; height: *50%*; background-color: *rosybrown*; border: *1px solid black*;">

<h3 class=*"text-center"* style="font-size: *x-large*;">List of Flights</h3>

<table width=*"80%"* border=*"0"* cellspacing=*"2"* cellpadding=*"5"*>

<thead>

<tr>

<th>Flight Id</th>

<th>Flight Name</th>

<th>Source</th>

<th>Destination</th>

<th>Departure</th>

<th>Time</th>

<th>Fare</th>

<th>Seats Available</th>

<th>Action</th>

</tr>

</thead>

<tbody>

<%

List<Flight> flights = (List) request.getAttribute("list");

%>

<%

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

%>

<tr>

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

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

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

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

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

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

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

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

<td><a href=*"FlightBooking?id=*<%=flight.getId()%>*"*>Book

Flight</a></td>

</tr>

<%

}

%>

</tbody>

</table>

</div>

</center>

<%

} **else** {

%>

<center>

<p style="width: *30%*; text-align: *center*; color: *red*; font-size: *x-large*; background-color: *thistle*;">Please Search for Flights</p>

</center>

<br>

<br>

<div align=*"center"*>

<a href=*"SearchFlight.jsp"*>Search Flights</a>

</div>

<%

}

}

%>

</body>

</html>

BookingStatus.jsp 🡪

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>User Login</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

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

<table align=*"center"* style="width: *25%*; height: *20%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3* align=*"center"*><font size=*5*><b>User Login</b></font></td>

</tr>

<tr>

<td><label for=*"email"*>Email :</label></td>

<td><input type=*"email"* name=*"email"* pattern=*"[A-Za-z0-9]\*[@][a-z]\*[.](com|in|org)"* id=*"email"*

placeholder=*"abc@gmail.com"* size=*"35"* required /></td>

</tr>

<tr>

<td><label for=*"password"*>Password :</label></td>

<td><input type=*"password"* id=*"password"* name=*"password"* size=*"35"* required></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

<tr>

<td colspan=*"3"* align=*"right"*><a href=*"CreateAccount.jsp"*>Create Account</a></td>

</tr>

</table>

</form>

</body>

</html>

CreateAccount.jsp 🡪

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Create Account</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

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

<table align=*"center"*

style="width: *30%*; height: *30%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3*>

<center>

<font size=*5*><b>Create New Account</b></font>

</center>

</td>

</tr>

<tr></tr>

<tr></tr>

<tr></tr>

<tr>

<td align=*"right"*><label for=*"email"*>Email :</label></td>

<td><input type=*"email"* name=*"email"* pattern=*"[A-Za-z0-9]\*[@][a-z]\*[.](com|in|org)"* id=*"email"*

placeholder=*"Enter Email in format 'user@gmail.com'"* size=*"35"* required /></td>

</tr>

<tr>

<td align=*"right"*><label for=*"password"*>Password :</label></td>

<td><input type=*"password"* id=*"password"* name=*"password"* size=*"35"* placeholder=*"Enter Password"* required></td>

</tr>

<tr>

<td align=*"right"*><label for=*"name"*>Name :</label></td>

<td><input type=*"text"* id=*"name"* name=*"name"* size=*"35"* placeholder=*"Enter Your Name"* required></td>

</tr>

<tr>

<td align=*"right"*><label for=*"phone"*>Phone No. :</label></td>

<td><input type=*"text"* id=*"phone"* name=*"phone"* size=*"35"* pattern=*"[0-9]{10}"* maxlength=*"10"*

placeholder=*"Enter 10 Digit Phone No."* required></td>

</tr>

<tr>

<td align=*"right"*><label for=*"aadhar"*>Aadhar No. :</label></td>

<td><input type=*"text"* id=*"aadhar"* name=*"aadhar"* size=*"35"* pattern=*"[0-9]{12}"* maxlength=*"12"*

placeholder=*"Enter 12 Digit Aadhar No."* required></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

</table>

</form>

</body>

</html>

index.jsp 🡪

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Home Page</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<br>

<br>

<br>

<br>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>Welcome to Fly Away</b></font>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<br>

<center>

<div style="width: *15%*; border: *1px solid black*; background-color: *rosybrown*;">

<table>

<tr>

<td rowspan=*"2"*><font size=*"4"*><b>Login as :</b></font></td>

<td style="width: *50%*;">

<div align=*"center"*>

<a href=*"UserLogin.jsp"*>User</a>

</div>

</td>

</tr>

<tr>

<td style="width: *50%*;">

<div align=*"center"*>

<a href=*"AdminLogin.jsp"*>Admin</a>

</div>

</td>

</tr>

</table>

</div>

</center>

</body>

</html>

LogOut.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Booking Status</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

<%

**if** (HibernateUtil.newHttpSession != **null**) {

HibernateUtil.newHttpSession.invalidate();

HibernateUtil.newHttpSession = **null**;

} **else** {

}

%>

<div style="text-align: *center*;">

<h1 style="color: *green*;">

<b>Logged Out Successfully...</b>

</h1>

<br> <a href=*"index.jsp"*>Go to Login Page</a>

</div>

</body>

</html>

NewFlight.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>New Flight</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<%

**if** (HibernateUtil.newHttpSession == **null**) {

response.sendRedirect("AdminLogin.jsp");

} **else** {

**if** (HibernateUtil.newHttpSession.getAttribute("email").equals("admin@gmail.com")) {

%>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<div align=*"right"*>

<p style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *wheat*; font-size: *larger*;">

<b>User: </b> <%=HibernateUtil.newHttpSession.getAttribute("email")%>

</p>

<a href=*"LogOut.jsp"*>Log Out</a>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

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

<table align=*"center"* style="width: *25%*; height: *30%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3* style="text-align: *center*;"><font size=*5*><b>Insert

New Flight Details</b></font></td>

</tr>

<tr>

<td align=*"right"*><label for=*"name"*>Name :</label></td>

<td><input type=*"text"* id=*"name"* name=*"name"* placeholder=*"Enter Name of Flight"* required /></td>

</tr>

<tr>

<td align=*"right"*><label for=*"from"*>From :</label></td>

<td><select name=*"fromLocation"* id=*"from"* required>

<option value=*""*>Select</option>

<option value=*"Mumbai"*>Mumbai</option>

<option value=*"Delhi"*>Delhi</option>

<option value=*"Pune"*>Pune</option>

<option value=*"Nagpur"*>Nagpur</option>

<option value=*"Hyderabad"*>Hyderabad</option>

<option value=*"Mysore"*>Mysore</option>

<option value=*"Bangluru"*>Bangluru</option>

<option value=*"Chennai"*>Chennai</option>

<option value=*"Amritsar"*>Amritsar</option>

</select></td>

</tr>

<tr>

<td align=*"right"*><label for=*"to"*>To :</label></td>

<td><select name=*"toLocation"* id=*"to"* required>

<option value=*""*>Select</option>

<option value=*"Mumbai"*>Mumbai</option>

<option value=*"Delhi"*>Delhi</option>

<option value=*"Pune"*>Pune</option>

<option value=*"Nagpur"*>Nagpur</option>

<option value=*"Hyderabad"*>Hyderabad</option>

<option value=*"Mysore"*>Mysore</option>

<option value=*"Bangluru"*>Bangluru</option>

<option value=*"Chennai"*>Chennai</option>

<option value=*"Amritsar"*>Amritsar</option>

</select></td>

</tr>

<tr>

<td align=*"right"*><label for=*"departure"*>Departure :</label></td>

<td><input type=*"date"* id=*"departure"* name=*"departure"* required />

</td>

</tr>

<tr>

<td align=*"right"*><label for=*"time"*>Time :</label></td>

<td><input type=*"time"* id=*"time"* name=*"time"* placeholder=*"Enter Time of Flight"* required /></td>

</tr>

<tr>

<td align=*"right"*><label for=*"price"*>Price :</label></td>

<td><input type=*"number"* id=*"price"* name=*"price"* placeholder=*"Enter Amount of Flight Fare"* required /></td>

</tr>

<tr>

<td align=*"right"*><label for=*"seats"*>Seat Capacity :</label></td>

<td><input type=*"number"* id=*"seats"* name=*"seats"* placeholder=*"Enter Seat Capacity of Flight"* required /></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

</table>

</form>

<%

} **else** {

%>

<div align=*"center"*>

<p style="width: *70%*; text-align: *center*; color: *red*; font-size: *x-large*; background-color:*thistle*;">

This Functionality is only Applicable for Admin...

<br>

Please Login as Admin...

<br>

<a href=*"AdminLogin.jsp"*>Go To Admin Login Page</a>

</p>

</div>

<%

}

}

%>

</body>

</html>

PasswordReset.jsp 🡪

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Password Reset</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

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

<table align=*"center"*

style="width: *30%*; height: *20%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3*>

<center>

<font size=*5*><b>Reset Password</b></font>

</center>

</td>

</tr>

<tr>

<td><label for=*"email"*>Email :</label></td>

<td><input type=*"email"* name=*"email"* pattern=*"[A-Za-z0-9]\*[@][a-z]\*[.](com|in|org)"* id=*"email"*

placeholder=*"abc@gmail.com"* size=*"35"* required /></td>

</tr>

<tr>

<td><label for=*"password"*>New Password :</label></td>

<td><input type=*"password"* id=*"password"* name=*"password"* size=*"35"* required></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

</table>

</form>

</body>

</html>

SearchFlight.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Search Flight</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<%

**if** (HibernateUtil.newHttpSession == **null**) {

response.sendRedirect("index.jsp");

} **else** {

%>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>Welcome to Fly Away</b></font>

</div>

<div align=*"right"*>

<p style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *wheat*; font-size: *larger*;">

<b>User: </b> <%=HibernateUtil.newHttpSession.getAttribute("email")%>

</p>

<a href=*"LogOut.jsp"*>Log Out</a>

</div>

<br>

<br>

<br>

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

<table align=*"center"*

style="width: *30%*; height: *35%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3*>

<center>

<font size=*5*><b>Search Flight</b></font>

</center>

</td>

</tr>

<tr>

<td align=*"right"*><label for=*"from"*>From :</label></td>

<td><select name=*"fromLocation"* id=*"from"*>

<option value=*""*>Select</option>

<option value=*"Mumbai"*>Mumbai</option>

<option value=*"Delhi"*>Delhi</option>

<option value=*"Pune"*>Pune</option>

<option value=*"Nagpur"*>Nagpur</option>

<option value=*"Hyderabad"*>Hyderabad</option>

<option value=*"Mysore"*>Mysore</option>

<option value=*"Bangluru"*>Bangluru</option>

<option value=*"Chennai"*>Chennai</option>

<option value=*"Amritsar"*>Amritsar</option>

</select></td>

</tr>

<tr>

<td align=*"right"*><label for=*"to"*>To :</label></td>

<td><select name=*"toLocation"* id=*"to"*>

<option value=*""*>Select</option>

<option value=*"Mumbai"*>Mumbai</option>

<option value=*"Delhi"*>Delhi</option>

<option value=*"Pune"*>Pune</option>

<option value=*"Nagpur"*>Nagpur</option>

<option value=*"Hyderabad"*>Hyderabad</option>

<option value=*"Mysore"*>Mysore</option>

<option value=*"Bangluru"*>Bangluru</option>

<option value=*"Chennai"*>Chennai</option>

<option value=*"Amritsar"*>Amritsar</option>

</select></td>

</tr>

<tr>

<td align=*"right"*><label for=*"departure"*>Departure :</label></td>

<td><input type=*"date"* id=*"departure"* name=*"departure"* /></td>

</tr>

<tr>

<td align=*"right"*><label for=*"travellers"*>Travellers :</label>

</td>

<td><input type=*"number"* id=*"travellers"* name=*"travellers"* placeholder=*"Enter No. of travellers"* /></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

</table>

</form>

<%

}

%>

</body>

</html>

UserLogin.jsp 🡪

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>User Login</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<br>

<br>

<br>

<br>

<br>

<br>

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

<table align=*"center"* style="width: *25%*; height: *20%*; background-color: *rosybrown*; border: *1px solid black*;">

<tr>

<td colspan=*3* align=*"center"*><font size=*5*><b>User Login</b></font></td>

</tr>

<tr>

<td><label for=*"email"*>Email :</label></td>

<td><input type=*"email"* name=*"email"* pattern=*"[A-Za-z0-9]\*[@][a-z]\*[.](com|in|org)"* id=*"email"*

placeholder=*"abc@gmail.com"* size=*"35"* required /></td>

</tr>

<tr>

<td><label for=*"password"*>Password :</label></td>

<td><input type=*"password"* id=*"password"* name=*"password"* size=*"35"* required></td>

</tr>

<tr>

<td align=*"right"*>

<button type=*"submit"*>Submit</button>

</td>

<td>

<button type=*"reset"*>Reset</button>

</td>

</tr>

<tr>

<td colspan=*"3"* align=*"right"*><a href=*"CreateAccount.jsp"*>Create Account</a></td>

</tr>

</table>

</form>

</body>

</html>

DeletionStatus.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<title>Booking Status</title>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<%

**if** (HibernateUtil.newHttpSession == **null**) {

response.sendRedirect("index.jsp");

} **else** {

**if** (HibernateUtil.newHttpSession.getAttribute("email") != **null**) {

**if** (HibernateUtil.newHttpSession.getAttribute("email").equals("admin@gmail.com")) {

%>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<div align=*"right"*>

<p

style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *wheat*; font-size: *larger*;">

<b>User: </b>

<%=HibernateUtil.newHttpSession.getAttribute("email")%>

</p>

<a href=*"LogOut.jsp"*>Log Out</a>

</div>

<div style="text-align: *center*;">

<%

Boolean deletionStatus = (Boolean) request.getAttribute("deletionStatus");

**if** (deletionStatus) {

%>

<h1 style="color: *green*;">

<font size=*"7"*><b>Flight With Flight Id <%=request.getAttribute("deletedflightId")%>

is Successfully Deleted

</b></font>

</h1>

<br>

<%

} **else** {

%>

<h1 style="color: *red*;">

<font size=*"7"*><b>Sorry... Flight Deletion Failed...</b></font> <br>

</h1>

<%

}

%>

<div align=*"center"*>

<p

style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *rosybrown*; font-size: *larger*;">

<a href=*"AdminHome.jsp"*>Go to Home Page</a>

</p>

</div>

</div>

<%

}

}

}

%>

</body>

</html>

ViewAllFlights.jsp 🡪

<%@page import=*"com.simplilearn.util.HibernateUtil"*%>

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

<%@page import=*"com.simplilearn.model.Flight"*%>

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

pageEncoding=*"UTF-8"*%>

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"*%>

<html>

<head>

<title>All Flights</title>

<style>

**table,** **th,** **thead,** **tbody,** **td** {

border: *2px solid black*;

border-collapse: *collapse*;

}

</style>

</head>

<body background=*"/FlyAway/bgImg.jpg"*>

<%

**if** (HibernateUtil.newHttpSession == **null**) {

response.sendRedirect("index.jsp");

} **else** {

**if** (HibernateUtil.newHttpSession.getAttribute("email") != **null**) {

**if** (HibernateUtil.newHttpSession.getAttribute("email").equals("admin@gmail.com")) {

List<Flight> allFlightsList = (List) HibernateUtil.newHttpSession.getAttribute("allFlights");

**if** ((allFlightsList != **null**) && (!allFlightsList.isEmpty())) {

%>

<div align=*"center"*>

<font size=*"7"* style="color: *brown*;"><b>FlyAway</b></font>

</div>

<div align=*"right"*>

<p

style="text-align: *center*; width: *25%*; border: *1px solid black*; background-color: *wheat*; font-size: *larger*;">

<b>User: </b>

<%=HibernateUtil.newHttpSession.getAttribute("email")%>

</p>

<a href=*"LogOut.jsp"*>Log Out</a>

</div>

<br>

<br>

<br>

<br>

<br>

<center>

<div

style="width: *80%*; height: *50%*; background-color: *rosybrown*; border: *1px solid black*;">

<h3 class=*"text-center"* style="font-size: *x-large*;">List of All

Flights</h3>

<table width=*"80%"* border=*"0"* cellspacing=*"2"* cellpadding=*"5"*>

<thead>

<tr>

<th>Flight Id</th>

<th>Flight Name</th>

<th>Source</th>

<th>Destination</th>

<th>Departure</th>

<th>Time</th>

<th>Fare</th>

<th>Seats Available</th>

<th>Delete Flight</th>

</tr>

</thead>

<tbody>

<%

List<Flight> allFlights = (List) request.getAttribute("allFlights");

%>

<%

**for** (Flight flight : allFlights) {

%>

<tr>

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

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

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

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

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

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

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

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

<td><a href=*"DeleteFlight?id=*<%=flight.getId()%>*"*>Delete

Flight</a></td>

</tr>

<%

}

%>

</tbody>

</table>

</div>

<div style="width: *30%*; text-align: *center*; color: *red*; font-size: *x-large*; background-color: *thistle*;">

<a href=*"AdminHome.jsp"*>Go To Home Page</a>

</div>

</center>

<%

} **else** {

%>

<center>

<p

style="width: *30%*; text-align: *center*; color: *red*; font-size: *x-large*; background-color: *thistle*;">

No Flights Available to display<br>Please Try Again by Adding

Some Flights...

</p>

</center>

<br>

<br>

<div align=*"center"*>

<a href=*"AdminHome.jsp"*>Go To Home Page</a>

</div>

<%

}

}

}

}

%>

</body>

</html>

**Image**

