FLYAWAY PROJECT

*Phase-2 Assessment Project by Jeevanantham M*

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**JavaCode :**

**MySQLConnection.java:**

package com.dbutil;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class MySQLConnection {

private static Connection connection;

public static Connection getConnection() throws ClassNotFoundException, SQLException {

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

connection=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway", "root", "1087");

return connection;

}

}

**BuisnessException:**

**package** com.exception;

@SuppressWarnings("serial")

**public** **class** BusinessException **extends** Exception {

**public** BusinessException() {

**super**();

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

}

**public** BusinessException(**final** String message) {

**super**(message);

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

}

}

**AirlineDAO:**

package com.flyaway.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import com.dbutil.MySQLConnection;

import com.exception.BusinessException;

import com.flyaway.model.Airline;

public class AirlineDAO {

public List<Airline> airlineList() throws BusinessException {

List<Airline> listAirline = new ArrayList<Airline>();

try(Connection connection=MySQLConnection.getConnection()){

String query="select airline\_id,airline\_name,contact\_name,contact\_number from flyaway.airline";

PreparedStatement preparedstatment = connection.prepareStatement(query);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Airline airline = new Airline();

airline.setAirlineId(rs.getInt("airline\_id"));

airline.setAirlineName(rs.getString("airline\_name"));

airline.setContactName(rs.getString("contact\_name"));

airline.setContactNumber(rs.getString("contact\_number"));

listAirline.add(airline);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured"+e);

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured"+e);

}

return listAirline;

}

public boolean addAirline(Airline airline) throws BusinessException {

boolean status = false;

if(airline.getAirlineName().isEmpty() || airline.getContactName().isEmpty() || airline.getContactNumber().isEmpty()) {

throw new BusinessException("Fields must not be empty");

}else {

int min=10;int max=99;int b = (int)(Math.random()\*(max-min+1)+min);

try(Connection connection=MySQLConnection.getConnection())

{

String query="Insert into flyaway.airline values(?,?,?,?)";

PreparedStatement preparedstatement=connection.prepareStatement(query);

preparedstatement.setInt(1, b);

preparedstatement.setString(2, airline.getAirlineName());

preparedstatement.setString(3, airline.getContactName());

preparedstatement.setString(4, airline.getContactNumber());

int c = preparedstatement.executeUpdate();

if(c!=1) {

throw new BusinessException("Insertion Failed");

}else {status=true;}

} catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

}

return status;

}

public int deleteAirline(int airlineId) throws BusinessException {

int status=0;

try(Connection connection=MySQLConnection.getConnection()){

String query="DELETE FROM flyaway.airline WHERE airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, airlineId);

status = preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return status;

}

public List<Airline> getAirline(Integer airlineId) throws BusinessException {

List<Airline> singleAirline=new ArrayList<Airline>();

try(Connection connection=MySQLConnection.getConnection()){

String query="select airline\_id,airline\_name,contact\_name,contact\_number from flyaway.airline where airline\_id=?";

PreparedStatement preparedstatment = connection.prepareStatement(query);

preparedstatment.setInt(1,airlineId);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Airline airline=new Airline();

airline.setAirlineId(rs.getInt("airline\_id"));

airline.setAirlineName(rs.getString("airline\_name"));

airline.setContactName(rs.getString("contact\_name"));

airline.setContactNumber(rs.getString("contact\_number"));

singleAirline.add(airline);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured");

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured");

}

return singleAirline;

}

public int updateAirline(Airline sa) throws BusinessException {

int c = 0;

try(Connection connection = MySQLConnection.getConnection()){

String query="UPDATE flyaway.airline SET airline\_name=?,contact\_name=?,contact\_number=? where airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setString(1,sa.getAirlineName());

preparedstatement.setString(2,sa.getContactName());

preparedstatement.setString(3,sa.getContactNumber());

preparedstatement.setInt(4,sa.getAirlineId());

c=preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return c;

}

public String getName(int airlineId) throws BusinessException {

String airlineName=null;

try(Connection connection = MySQLConnection.getConnection()){

String query="Select airline\_name from airline where airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, airlineId);

ResultSet rs = preparedstatement.executeQuery();

while(rs.next()) {

airlineName=rs.getString("airline\_name");

}

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return airlineName;

}

}

**FlightDAO:**

package com.flyaway.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import com.dbutil.MySQLConnection;

import com.exception.BusinessException;

import com.flyaway.model.Flight;

public class FlightDAO {

public List<String> listOfPlaces() throws BusinessException{

List<String> lp = new ArrayList<String>();

try(Connection connection = MySQLConnection.getConnection()){

String query = "select place\_name from flyaway.place";

PreparedStatement preparedstatement = connection.prepareStatement(query);

ResultSet rs= preparedstatement.executeQuery();

while(rs.next()) {

lp.add(rs.getString("place\_name"));

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Internal Error.. contact Database Admin "+e);

}catch(SQLException el) {

throw new BusinessException("Internal Error.. contact Database Admin "+el);

}

return lp;

}

public List<Flight> flightList() throws BusinessException{

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

try(Connection connection = MySQLConnection.getConnection()){

String query = "select \* from flyaway.flight";

PreparedStatement preparedstatement = connection.prepareStatement(query);

ResultSet rs= preparedstatement.executeQuery();

while(rs.next()) {

Flight flight = new Flight();

flight.setFlightId(rs.getInt("flight\_id"));

flight.setSource(rs.getString("source\_id"));

flight.setDestination(rs.getString("destination\_id"));

flight.setAirline(rs.getString("airline\_id"));

flight.setEcPrice(rs.getDouble("ec\_price"));

flight.setFcPrice(rs.getDouble("fc\_price"));

flight.setBcPrice(rs.getDouble("bc\_price"));

listFlight.add(flight);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Internal Error.. contact Database Admin "+e);

}catch(SQLException el) {

throw new BusinessException("Internal Error.. contact Database Admin "+el);

}

return listFlight;

}

public List<String> listOfAirlines() throws BusinessException{

List<String> la = new ArrayList<String>();

try(Connection connection = MySQLConnection.getConnection()){

String query = "select airline\_name from flyaway.airline";

PreparedStatement preparedstatement = connection.prepareStatement(query);

ResultSet rs= preparedstatement.executeQuery();

while(rs.next()) {

la.add(rs.getString("airline\_name"));

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Internal Error.. contact Database Admin "+e);

}catch(SQLException el) {

throw new BusinessException("Internal Error.. contact Database Admin "+el);

}

return la;

}

public boolean addFlight(Flight flight) throws BusinessException {

boolean status = false;

if(flight.getSource().equals("Choose Source")

&& flight.getDestination().equals("Choose Destination")

&& flight.getAirline().equals("Choose Airline")

&& flight.getEcPrice()==0

&& flight.getBcPrice()==0

&& flight.getBcPrice()==0) {

throw new BusinessException("Fields must not be empty");

}else {

int min=10000;

int max=99999;

int b = (int)(Math.random()\*(max-min+1)+min);

try(Connection connection=MySQLConnection.getConnection())

{

String query="Insert into flyaway.flight values(?,?,?,?,?,?,?)";

PreparedStatement preparedstatement=connection.prepareStatement(query);

preparedstatement.setInt(1, b);

preparedstatement.setString(2, flight.getSource());

preparedstatement.setString(3, flight.getDestination());

preparedstatement.setString(4, flight.getAirline());

preparedstatement.setDouble(5, flight.getEcPrice());

preparedstatement.setDouble(6, flight.getFcPrice());

preparedstatement.setDouble(7, flight.getBcPrice());

int c = preparedstatement.executeUpdate();

if(c!=1) {

throw new BusinessException("Insertion Failed");

}else {status=true;}

} catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

}

return status;

}

public int deleteFlight(int flightId) throws BusinessException {

int status=0;

try(Connection connection=MySQLConnection.getConnection()){

String query="DELETE FROM flyaway.flight WHERE flight\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, flightId);

status = preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return status;

}

public List<Flight> getFlight(Integer flightId) throws BusinessException {

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

try(Connection connection=MySQLConnection.getConnection()){

String query="select flight\_id,source\_id,destination\_id,airline\_id,ec\_price,fc\_price,bc\_price from flyaway.flight where flight\_id=?";

PreparedStatement preparedstatment = connection.prepareStatement(query);

preparedstatment.setInt(1,flightId);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Flight flight=new Flight();

flight.setFlightId(rs.getInt("flight\_id"));

flight.setSource(rs.getString("source\_id"));

flight.setDestination(rs.getString("destination\_id"));

flight.setAirline(rs.getString("airline\_id"));

flight.setEcPrice(rs.getDouble("ec\_price"));

flight.setFcPrice(rs.getDouble("fc\_price"));

flight.setBcPrice(rs.getDouble("bc\_price"));

singleFlight.add(flight);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured");

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured");

}

return singleFlight;

}

public int updateFlight(Flight fa) throws BusinessException {

int c = 0;

try(Connection connection = MySQLConnection.getConnection()){

String query="UPDATE flyaway.flight SET source\_id=?,destination\_id=?,airline\_id=?,ec\_price=?,fc\_price=?,bc\_price=? where flight\_id=?";

PreparedStatement preparedstatment = connection.prepareStatement(query);

preparedstatment.setString(1, fa.getSource());

preparedstatment.setString(2, fa.getDestination());

preparedstatment.setString(3, fa.getAirline());

preparedstatment.setDouble(4, fa.getEcPrice());

preparedstatment.setDouble(5, fa.getFcPrice());

preparedstatment.setDouble(6, fa.getBcPrice());

preparedstatment.setInt(7, fa.getFlightId());

c=preparedstatment.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return c;

}

public List<Integer> getIdsList(String airlineName) throws BusinessException {

List<Integer> flightIds = new ArrayList<Integer>();

try(Connection connection = MySQLConnection.getConnection()){

String query = "select flight\_id from flight where airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setString(1, airlineName);

ResultSet rs = preparedstatement.executeQuery();

while(rs.next()) {

flightIds.add(rs.getInt("flight\_id"));

}

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return flightIds;

}

}

**PlaceDAO:**

package com.flyaway.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import java.lang.Math;

import com.dbutil.MySQLConnection;

import com.exception.BusinessException;

import com.flyaway.model.Place;

public class PlaceDAO {

public List<Place> placeList() throws BusinessException{

List<Place> listPlace = new ArrayList<Place>();

try(Connection connection=MySQLConnection.getConnection()){

String query="select place\_id,place\_name,place\_type from flyaway.place";

PreparedStatement preparedstatment = connection.prepareStatement(query);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Place place = new Place();

place.setPlaceId(rs.getInt("place\_id"));

place.setPlaceName(rs.getString("place\_name"));

place.setPlaceType(rs.getString("place\_type"));

listPlace.add(place);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured");

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured");

}

return listPlace;

}

public boolean addPlace(Place place) throws BusinessException {

boolean status = false;

if(place.getPlaceName().isEmpty() || place.getPlaceType().equals("Choose Type")) {

throw new BusinessException("Place Name or Place Type can't be empty");

}else {

if(place.getPlaceName().matches("^[A-Za-z\\S]+$")) {

int min=100;int max=999;int b = (int)(Math.random()\*(max-min+1)+min);

try(Connection connection=MySQLConnection.getConnection())

{

String query="Insert into flyaway.place values(?,?,?)";

PreparedStatement preparedstatement=connection.prepareStatement(query);

preparedstatement.setInt(1, b);

preparedstatement.setString(2, place.getPlaceName());

preparedstatement.setString(3, place.getPlaceType());

int c = preparedstatement.executeUpdate();

if(c!=1) {

throw new BusinessException("Insertion Failed");

}else {status=true;}

} catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

}

}

return status;

}

public int deletePlace(int placeId) throws BusinessException {

int status=0;

try(Connection connection=MySQLConnection.getConnection()){

String query="DELETE FROM flyaway.place WHERE place\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, placeId);

status = preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return status;

}

public List<Place> getPlace(Integer placeId) throws BusinessException {

List<Place> singlePlace=new ArrayList<Place>();

try(Connection connection=MySQLConnection.getConnection()){

String query="select place\_id,place\_name,place\_type from flyaway.place where place\_id=?";

PreparedStatement preparedstatment = connection.prepareStatement(query);

preparedstatment.setInt(1,placeId);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Place place=new Place();

place.setPlaceId(rs.getInt("place\_id"));

place.setPlaceName(rs.getString("place\_name"));

place.setPlaceType(rs.getString("place\_type"));

singlePlace.add(place);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured");

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured");

}

return singlePlace;

}

public int updatePlace(Place place) throws BusinessException {

int c = 0;

try(Connection connection = MySQLConnection.getConnection()){

String query="UPDATE flyaway.place SET place\_name=?,place\_type=? where place\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setString(1,place.getPlaceName());

preparedstatement.setString(2,place.getPlaceType());

preparedstatement.setInt(3,place.getPlaceId());

c=preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return c;

}

public String getName(int placeId) throws BusinessException {

String placeName=null;

try(Connection connection = MySQLConnection.getConnection()){

String query="Select place\_name from place where place\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, placeId);

ResultSet rs = preparedstatement.executeQuery();

while(rs.next()) {

placeName=rs.getString("place\_name");

}

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return placeName;

}

public List<Integer> getIdsList(String placeName) throws BusinessException {

List<Integer> placeIds = new ArrayList<Integer>();

try(Connection connection = MySQLConnection.getConnection()){

String query = "select flight\_id from flight where source\_id=? or destination\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setString(1, placeName);

preparedstatement.setString(2, placeName);

ResultSet rs = preparedstatement.executeQuery();

while(rs.next()) {

placeIds.add(rs.getInt("flight\_id"));

}

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return placeIds;

}

}

**SearchDAO:**

package com.flyaway.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import com.dbutil.MySQLConnection;

import com.exception.BusinessException;

import com.flyaway.model.Airline;

public class AirlineDAO {

public List<Airline> airlineList() throws BusinessException {

List<Airline> listAirline = new ArrayList<Airline>();

try(Connection connection=MySQLConnection.getConnection()){

String query="select airline\_id,airline\_name,contact\_name,contact\_number from flyaway.airline";

PreparedStatement preparedstatment = connection.prepareStatement(query);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Airline airline = new Airline();

airline.setAirlineId(rs.getInt("airline\_id"));

airline.setAirlineName(rs.getString("airline\_name"));

airline.setContactName(rs.getString("contact\_name"));

airline.setContactNumber(rs.getString("contact\_number"));

listAirline.add(airline);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured"+e);

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured"+e);

}

return listAirline;

}

public boolean addAirline(Airline airline) throws BusinessException {

boolean status = false;

if(airline.getAirlineName().isEmpty() || airline.getContactName().isEmpty() || airline.getContactNumber().isEmpty()) {

throw new BusinessException("Fields must not be empty");

}else {

int min=10;int max=99;int b = (int)(Math.random()\*(max-min+1)+min);

try(Connection connection=MySQLConnection.getConnection())

{

String query="Insert into flyaway.airline values(?,?,?,?)";

PreparedStatement preparedstatement=connection.prepareStatement(query);

preparedstatement.setInt(1, b);

preparedstatement.setString(2, airline.getAirlineName());

preparedstatement.setString(3, airline.getContactName());

preparedstatement.setString(4, airline.getContactNumber());

int c = preparedstatement.executeUpdate();

if(c!=1) {

throw new BusinessException("Insertion Failed");

}else {status=true;}

} catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

}

return status;

}

public int deleteAirline(int airlineId) throws BusinessException {

int status=0;

try(Connection connection=MySQLConnection.getConnection()){

String query="DELETE FROM flyaway.airline WHERE airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, airlineId);

status = preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return status;

}

public List<Airline> getAirline(Integer airlineId) throws BusinessException {

List<Airline> singleAirline=new ArrayList<Airline>();

try(Connection connection=MySQLConnection.getConnection()){

String query="select airline\_id,airline\_name,contact\_name,contact\_number from flyaway.airline where airline\_id=?";

PreparedStatement preparedstatment = connection.prepareStatement(query);

preparedstatment.setInt(1,airlineId);

ResultSet rs=preparedstatment.executeQuery();

while(rs.next()) {

Airline airline=new Airline();

airline.setAirlineId(rs.getInt("airline\_id"));

airline.setAirlineName(rs.getString("airline\_name"));

airline.setContactName(rs.getString("contact\_name"));

airline.setContactNumber(rs.getString("contact\_number"));

singleAirline.add(airline);

}

}catch(ClassNotFoundException e) {

throw new BusinessException("Contact Admin, Error occured");

}catch(SQLException e) {

throw new BusinessException("Contact Admin, Error occured");

}

return singleAirline;

}

public int updateAirline(Airline sa) throws BusinessException {

int c = 0;

try(Connection connection = MySQLConnection.getConnection()){

String query="UPDATE flyaway.airline SET airline\_name=?,contact\_name=?,contact\_number=? where airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setString(1,sa.getAirlineName());

preparedstatement.setString(2,sa.getContactName());

preparedstatement.setString(3,sa.getContactNumber());

preparedstatement.setInt(4,sa.getAirlineId());

c=preparedstatement.executeUpdate();

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return c;

}

public String getName(int airlineId) throws BusinessException {

String airlineName=null;

try(Connection connection = MySQLConnection.getConnection()){

String query="Select airline\_name from airline where airline\_id=?";

PreparedStatement preparedstatement = connection.prepareStatement(query);

preparedstatement.setInt(1, airlineId);

ResultSet rs = preparedstatement.executeQuery();

while(rs.next()) {

airlineName=rs.getString("airline\_name");

}

}catch (ClassNotFoundException | SQLException e) {

throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}

return airlineName;

}

}

**UserDAO:**

package com.flyaway.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import com.dbutil.MySQLConnection;

import com.exception.BusinessException;

public class UserDAO {

public boolean userValid(String username, String password) throws BusinessException {

boolean bool=false;

try(Connection connection=MySQLConnection.getConnection()){

PreparedStatement preparedStatement=connection.prepareStatement("select \* from users where username=? and password=?");

preparedStatement.setString(1, username);

preparedStatement.setString(2, password);

ResultSet rs=preparedStatement.executeQuery();

if(rs.next())

bool=true;

}catch(ClassNotFoundException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}catch(SQLException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);}

return bool;

}

public String userType(String username, String password) throws BusinessException {

String usertype=null;

try(Connection connection=MySQLConnection.getConnection()){

PreparedStatement preparedStatement=connection.prepareStatement("select userType from users where username=? and password=?");

preparedStatement.setString(1, username);

preparedStatement.setString(2, password);

ResultSet rs=preparedStatement.executeQuery();

if(rs.next())

usertype=rs.getString("Usertype");

}catch(ClassNotFoundException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}catch(SQLException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);}

return usertype;

}

public String ExistingPassword(String username) throws BusinessException {

String oldPassword=null;

try(Connection connection=MySQLConnection.getConnection()){

PreparedStatement preparedStatement=connection.prepareStatement("select password from users where username=?");

preparedStatement.setString(1, username);

ResultSet rs=preparedStatement.executeQuery();

if(rs.next())

oldPassword=rs.getString("password");

}catch(ClassNotFoundException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}catch(SQLException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);}

return oldPassword;

}

public void changePassword(String username, String newPassword) throws BusinessException {

try(Connection connection=MySQLConnection.getConnection()){

PreparedStatement preparedStatement=connection.prepareStatement("update users set password=? where username=?");

preparedStatement.setString(1, newPassword);

preparedStatement.setString(2, username);

preparedStatement.executeUpdate();

}catch(ClassNotFoundException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);

}catch(SQLException e) {throw new BusinessException("Internal Error contact sysadmin with error message "+e);}

}

}

**Airline:**

**package** com.flyaway.model;

**public** **class** Airline {

**private** **int** airlineId;

**private** String airlineName;

**private** String contactName;

**private** String contactNumber;

**public** **int** getAirlineId() {

**return** airlineId;

}

**public** **void** setAirlineId(**int** airlineId) {

**this**.airlineId = airlineId;

}

**public** String getAirlineName() {

**return** airlineName;

}

**public** **void** setAirlineName(String airlineName) {

**this**.airlineName = airlineName;

}

**public** String getContactName() {

**return** contactName;

}

**public** **void** setContactName(String contactName) {

**this**.contactName = contactName;

}

**public** String getContactNumber() {

**return** contactNumber;

}

**public** **void** setContactNumber(String contactNumber) {

**this**.contactNumber = contactNumber;

}

@Override

**public** String toString() {

**return** "Airline [airlineId=" + airlineId + ", airlineName=" + airlineName + ", contactName=" + contactName

+ ", contactNumber=" + contactNumber + "]";

}

}

**Flight:**

**package** com.flyaway.model;

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

**private** **int** flightId;

**private** String source;

**private** String destination;

**private** String airline;

**private** **double** ecPrice;

**private** **double** fcPrice;

**private** **double** bcPrice;

**public** **int** getFlightId() {

**return** flightId;

}

**public** **void** setFlightId(**int** flightId) {

**this**.flightId = flightId;

}

**public** String getSource() {

**return** source;

}

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

**this**.source = source;

}

**public** String getDestination() {

**return** destination;

}

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

**this**.destination = destination;

}

**public** String getAirline() {

**return** airline;

}

**public** **void** setAirline(String airline) {

**this**.airline = airline;

}

**public** **double** getEcPrice() {

**return** ecPrice;

}

**public** **void** setEcPrice(**double** ecPrice) {

**this**.ecPrice = ecPrice;

}

**public** **double** getFcPrice() {

**return** fcPrice;

}

**public** **void** setFcPrice(**double** fcPrice) {

**this**.fcPrice = fcPrice;

}

**public** **double** getBcPrice() {

**return** bcPrice;

}

**public** **void** setBcPrice(**double** bcPrice) {

**this**.bcPrice = bcPrice;

}

@Override

**public** String toString() {

**return** "Flight [flightId=" + flightId + ", source=" + source + ", destination=" + destination + ", airline="

+ airline + ", ecPrice=" + ecPrice + ", fcPrice=" + fcPrice + ", bcPrice=" + bcPrice + "]";

}

}

**Places:**

**package** com.flyaway.model;

**public** **class** Place {

**private** **int** placeId;

**private** String placeName;

**private** String placeType;

**public** **int** getPlaceId() {

**return** placeId;

}

**public** **void** setPlaceId(**int** placeId) {

**this**.placeId = placeId;

}

**public** String getPlaceName() {

**return** placeName;

}

**public** **void** setPlaceName(String placeName) {

**this**.placeName = placeName;

}

**public** String getPlaceType() {

**return** placeType;

}

**public** **void** setPlaceType(String placeType) {

**this**.placeType = placeType;

}

@Override

**public** String toString() {

**return** "Place [placeId=" + placeId + ", placeName=" + placeName + ", placeType=" + placeType + "]";

}

}

**Users:**

**package** com.flyaway.model;

**public** **class** Users {

**private** String username;

**private** String password;

**private** String Guest;

**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 getGuest() {

**return** Guest;

}

**public** **void** setGuest(String guest) {

Guest = guest;

}

@Override

**public** String toString() {

**return** "Users [username=" + username + ", password=" + password + ", Guest=" + Guest + "]";

}

}

**ADAirlineServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.AirlineDAO;

import com.flyaway.dao.FlightDAO;

import com.flyaway.model.Airline;

/\*\*

\* Servlet implementation class ADAirlineServlet

\*/

public class ADAirlineServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public ADAirlineServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession(false);

AirlineDAO airlinedao=new AirlineDAO();

FlightDAO flightdao = new FlightDAO();

List<Integer> flightIds = new ArrayList<Integer>();

if(session!=null) {

try {

int airlineId=Integer.parseInt(request.getParameter("airlineId\_delete"));

String airlineName=airlinedao.getName(airlineId);

flightIds=flightdao.getIdsList(airlineName);

System.out.println();

for(int flightId:flightIds) {

int c = flightdao.deleteFlight(flightId);

c=0;

}

int status=airlinedao.deleteAirline(airlineId);

if(status!=1) {

session.setAttribute("exception", "Deletion Failed" );

}

else {

session.setAttribute("action", "Deleted Successfully" );

}

List<Airline> listAirline = airlinedao.airlineList();

session.setAttribute("listAirline", listAirline);

response.sendRedirect("ManageAirline.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e);

response.sendRedirect("ManageAirline.jsp");

}catch(Exception el) {

session.setAttribute("exception", el);

response.sendRedirect("ManageAirline.jsp");

}

}else {

out.print("<center><h3>Session has expired.. Navigating to HomePage</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");}

}

/\*\*

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

\*/

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

HttpSession session = request.getSession(false);

PrintWriter out = response.getWriter();

AirlineDAO airlinedao=new AirlineDAO();

Airline airline = new Airline();

boolean status=false;

if(session!=null) {

try{

airline.setAirlineName(request.getParameter("airlineName"));

airline.setContactName(request.getParameter("contactName"));

airline.setContactNumber(request.getParameter("contactNumber"));

status=airlinedao.addAirline(airline);

if(status==true) {

session.setAttribute("action","Added Sucessfully");

}

List<Airline> listAirline = airlinedao.airlineList();

session.setAttribute("listAirline", listAirline);

response.sendRedirect("ManageAirline.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManageAirline.jsp");

}catch(Exception e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManageAirline.jsp");

}

}else {

out.print("\"<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>\"");

response.setHeader("refresh", "5;url='/Flyway'");

}

}

}

**ADFlightServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.AirlineDAO;

import com.flyaway.dao.FlightDAO;

import com.flyaway.model.Airline;

import com.flyaway.model.Flight;

/\*\*

\* Servlet implementation class ADFlightServlet

\*/

public class ADFlightServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public ADFlightServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

\* response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession(false);

FlightDAO flightdao = new FlightDAO();

if (session != null) {

try {

int flightId = Integer.parseInt(request.getParameter("flightId\_delete"));

int status = flightdao.deleteFlight(flightId);

if (status != 1) {

session.setAttribute("exception", "Deletion Failed");

} else {

session.setAttribute("action", "Deleted Successfully");

}

List<Flight> listFlight = flightdao.flightList();

session.setAttribute("listFlight", listFlight);

response.sendRedirect("ManageFlight.jsp");

} catch (BusinessException e) {

session.setAttribute("exception", e);

response.sendRedirect("ManageFlight.jsp");

} catch (Exception el) {

session.setAttribute("exception", el);

response.sendRedirect("ManageFlight.jsp");

}

} else {

out.print("<center><h3>Session has expired.. Navigating to HomePage</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

}

/\*\*

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

\* response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

HttpSession session = request.getSession(false);

PrintWriter out = response.getWriter();

FlightDAO flightdao = new FlightDAO();

Flight flight = new Flight();

boolean status = false;

if (session != null) {

try {

if (request.getParameter("source")==null || request.getParameter("destination")==null

|| request.getParameter("airline")==null) {

List<Flight> listFlight = flightdao.flightList();

session.setAttribute("listFlight", listFlight);

session.setAttribute("exception", "Required feilds were empty");

response.sendRedirect("ManageFlight.jsp");

} else {

flight.setSource(request.getParameter("source"));

flight.setDestination(request.getParameter("destination"));

flight.setAirline(request.getParameter("airline"));

if (!request.getParameter("ecPrice").isEmpty()) {

flight.setEcPrice(Float.parseFloat(request.getParameter("ecPrice")));

} else {

flight.setEcPrice(0.1);

}

if (!request.getParameter("fcPrice").isEmpty()) {

flight.setFcPrice(Float.parseFloat(request.getParameter("fcPrice")));

} else {

flight.setFcPrice(0.1);

}

if (!request.getParameter("bcPrice").isEmpty()) {

flight.setBcPrice(Float.parseFloat(request.getParameter("bcPrice")));

} else {

flight.setBcPrice(0.1);

}

if (flight.getSource().equals(flight.getDestination())) {

session.setAttribute("exception", "Source and Destination must not be same");

} else if (request.getParameter("fcPrice").isEmpty() && request.getParameter("ecPrice").isEmpty()

&& request.getParameter("bcPrice").isEmpty()) {

session.setAttribute("exception", "All Class prices were empty");

} else {

status = flightdao.addFlight(flight);

}

if (status == true) {

session.setAttribute("action", "Added Sucessfully");

}

List<Flight> listFlight = flightdao.flightList();

session.setAttribute("listFlight", listFlight);

response.sendRedirect("ManageFlight.jsp");

}

} catch (BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManageFlight.jsp");

} catch (Exception e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManageFlight.jsp");

}

} else {

out.print("\"<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>\"");

response.setHeader("refresh", "5;url='/Flyway'");

}

}

}

**ADPlaceServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.FlightDAO;

import com.flyaway.dao.PlaceDAO;

import com.flyaway.model.Place;

/\*\*

\* Servlet implementation class ADPlaceServlet

\*/

public class ADPlaceServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public ADPlaceServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession(false);

PlaceDAO placedao=new PlaceDAO();

FlightDAO flightdao = new FlightDAO();

List<Integer> flightIds = new ArrayList<Integer>();

if(session!=null) {

try {

int placeId=Integer.parseInt(request.getParameter("placeId\_delete"));

String placeName = placedao.getName(placeId);

flightIds = placedao.getIdsList(placeName);

for(int flightId:flightIds) {

int c = flightdao.deleteFlight(flightId);

c=0;

}

int status=placedao.deletePlace(placeId);

if(status!=1) {

session.setAttribute("exception", "Deletion Failed" );

}

else {

session.setAttribute("action", "Deleted Successfully" );

}

List<Place> listPlace = placedao.placeList();

session.setAttribute("listPlace", listPlace);

response.sendRedirect("ManagePlace.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e);

response.sendRedirect("ManagePlace.jsp");

}catch(Exception el) {

session.setAttribute("exception", el);

response.sendRedirect("ManagePlace.jsp");

}

}else {

out.print("<center><h3>Session has expired.. Navigating to HomePage</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");}

}

/\*\*

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

\*/

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

HttpSession session = request.getSession(false);

PrintWriter out = response.getWriter();

PlaceDAO placedao=new PlaceDAO();

Place place = new Place();

boolean status=false;

if(session!=null) {

try{

place.setPlaceName(request.getParameter("placeName"));

place.setPlaceType(request.getParameter("placeType"));

status=placedao.addPlace(place);

if(status==true) {

session.setAttribute("action","Added Sucessfully");

}

List<Place> listPlace = placedao.placeList();

session.setAttribute("listPlace", listPlace);

response.sendRedirect("ManagePlace.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManagePlace.jsp");

}catch(Exception e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManagePlace.jsp");

}

}else {

out.print("\"<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>\"");

response.setHeader("refresh", "5;url='/learners'");

}

}

}

**ChangePassword.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.UserDAO;

/\*\*

\* Servlet implementation class 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

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 {

HttpSession session = request.getSession();

RequestDispatcher rd=null;

PrintWriter out = response.getWriter();

String username = (String) session.getAttribute("uname");

UserDAO userdao = new UserDAO();

//Users user = new Users();

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

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

try {

String existPass = userdao.ExistingPassword(username);

if(!oldPassword.isEmpty() && !newPassword.isEmpty()) {

if(existPass.equals(oldPassword)) {

userdao.changePassword(username,newPassword);

session.setAttribute("action", "Password Changed Successfully");

response.sendRedirect("AdminDashboard.jsp");

}else {

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

rd.include(request, response);

out.print("<span style='color:red'>Passwords didn't matched</span>");

}

}else {

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

rd.include(request, response);

out.print("<span style='color:red'>Passwords fields must not be empty</span>");

}

}catch(BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("AdminDashboard.jsp");

}

}

}

**LoginServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.UserDAO;

/\*\*

\* Servlet implementation class LoginServlet

\*/

public class LoginServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public LoginServlet() {

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 {

response.setContentType("text/html");

RequestDispatcher rd=null;

PrintWriter out=response.getWriter();

HttpSession session=request.getSession();

UserDAO userdao = new UserDAO();

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

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

try {

String utype=userdao.userType(username, password);

if(!username.isEmpty() && !password.isEmpty())

{

if(userdao.userValid(username, password)) {

session.setAttribute("usertype", utype);

session.setAttribute("uname", username);

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

rd.forward(request, response);

}

else {

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

rd.include(request, response);

out.print("<center><span style='color:red'>Invalid credentials</span></center>");

}

}

else {

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

rd.include(request, response);

out.print("<center><span style='color:red'>Username and Password cannot be null</span></center>");

}

} catch (BusinessException e) {

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

rd.include(request, response);

out.print("<center><span style='color:red'>"+e.getMessage()+"</span></center>");

}

}

}

**LogoutServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class LogoutServlet

\*/

public class LogoutServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public LogoutServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

RequestDispatcher rd=null;

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

rd.include(request, response);

out.print("<br><h2><center><span style='color:brown'>Logout Successfull...!</span></center></h2>");

}

}

**MAirlineServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.AirlineDAO;

import com.flyaway.model.Airline;

/\*\*

\* Servlet implementation class MAirlineServlet

\*/

public class MAirlineServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public MAirlineServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession(false);

AirlineDAO airlinedao = new AirlineDAO();

List<Airline> listAirline = new ArrayList<Airline>();

if(session!=null) {

try {

listAirline=airlinedao.airlineList();

session.setAttribute("listAirline", listAirline);

response.sendRedirect("ManageAirline.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e);

response.sendRedirect("AdminDashboard.jsp");

}catch(Exception el) {

session.setAttribute("exception", el);

response.sendRedirect("AdminDashboard.jsp");

}

}else {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

}

/\*\*

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

\*/

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

HttpSession session = request.getSession();

Integer airlineId = Integer.parseInt(request.getParameter("airlineId\_update"));

AirlineDAO airlinedao = new AirlineDAO();

try {

List<Airline> singleAirline=airlinedao.getAirline(airlineId);

session.setAttribute("singleAirline", singleAirline);

response.sendRedirect("updateJSP/UpdateAirline.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManageAirline.jsp");

}catch(Exception er) {

session.setAttribute("exception", er.getMessage());

response.sendRedirect("ManageAirline.jsp");

}

}

}

**MFlightServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.AirlineDAO;

import com.flyaway.dao.FlightDAO;

import com.flyaway.model.Airline;

import com.flyaway.model.Flight;

/\*\*

\* Servlet implementation class MFlightServlet

\*/

public class MFlightServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public MFlightServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession(false);

FlightDAO flightdao = new FlightDAO();

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

List<String> lop=new ArrayList<String>();

List<String> loa=new ArrayList<String>();

if(session!=null) {

try {

listFlight=flightdao.flightList();

session.setAttribute("listFlight", listFlight);

lop=flightdao.listOfPlaces();

session.setAttribute("lop", lop);

loa=flightdao.listOfAirlines();

session.setAttribute("loa", loa);

response.sendRedirect("ManageFlight.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e);

response.sendRedirect("AdminDashboard.jsp");

}catch(Exception el) {

session.setAttribute("exception", el);

response.sendRedirect("AdminDashboard.jsp");

}

}else {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

}

/\*\*

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

\*/

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

HttpSession session = request.getSession();

Integer flightId = Integer.parseInt(request.getParameter("flightId\_update"));

FlightDAO flightdao = new FlightDAO();

try {

List<Flight> singleFlight=flightdao.getFlight(flightId);

session.setAttribute("singleFlight", singleFlight);

response.sendRedirect("updateJSP/UpdateFlight.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManageFlight.jsp");

}catch(Exception er) {

session.setAttribute("exception", er.getMessage());

response.sendRedirect("ManageFlight.jsp");

}

}

}

**MPlaceServlet.java**

package com.flyaway.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.PlaceDAO;

import com.flyaway.model.Place;

/\*\*

\* Servlet implementation class ManagePlaces

\*/

public class MPlaceServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public MPlaceServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession(false);

PlaceDAO placedao = new PlaceDAO();

List<Place> listPlace = new ArrayList<Place>();

if(session!=null) {

try {

listPlace=placedao.placeList();

session.setAttribute("listPlace", listPlace);

response.sendRedirect("ManagePlace.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e);

response.sendRedirect("AdminDashboard.jsp");

}catch(Exception el) {

session.setAttribute("exception", el);

response.sendRedirect("AdminDashboard.jsp");

}

}else {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

}

/\*\*

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

\*/

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

HttpSession session = request.getSession();

Integer placeId = Integer.parseInt(request.getParameter("placeId\_update"));

PlaceDAO placedao = new PlaceDAO();

try {

List<Place> singlePlace=placedao.getPlace(placeId);

session.setAttribute("singlePlace", singlePlace);

response.sendRedirect("updateJSP/UpdatePlace.jsp");

}catch(BusinessException e) {

session.setAttribute("exception", e.getMessage());

response.sendRedirect("ManagePlace.jsp");

}catch(Exception er) {

session.setAttribute("exception", er.getMessage());

response.sendRedirect("ManagePlace.jsp");

}

}

}

**AUServlet.java**

package com.flyaway.UServlet;

import java.io.IOException;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.AirlineDAO;

import com.flyaway.model.Airline;

/\*\*

\* Servlet implementation class AUServlet

\*/

public class AUServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AUServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

HttpSession session = request.getSession();

if(request.getParameter("airlineName\_update").isEmpty() && request.getParameter("contactName\_update").isEmpty() && request.getParameter("contactNumber\_update").isEmpty()) {

session.setAttribute("exception", "All fields were empty");

response.sendRedirect("ManageAirline.jsp");

}else {

Integer airlineId = Integer.parseInt(request.getParameter("airlineId\_update"));

AirlineDAO airlinedao = new AirlineDAO();

try {

List<Airline> singleAirline = airlinedao.getAirline(airlineId);

for(Airline sa: singleAirline) {

if(!request.getParameter("airlineName\_update").isEmpty()) {

sa.setAirlineName(request.getParameter("airlineName\_update"));

}

if(!request.getParameter("contactName\_update").isEmpty()) {

sa.setContactName(request.getParameter("contactName\_update"));

}

if(!request.getParameter("contactNumber\_update").isEmpty()) {

sa.setContactNumber(request.getParameter("contactNumber\_update"));

}

int status = airlinedao.updateAirline(sa);

if (status != 1) {

session.setAttribute("exception", "Update Failed");

response.sendRedirect("ManageAirline.jsp");

} else {

List<Airline> listAirline = airlinedao.airlineList();

session.setAttribute("listAirline", listAirline);

session.setAttribute("action", "Updated Successfully");

response.sendRedirect("ManageAirline.jsp");

}

}

}catch (BusinessException e) {

session.setAttribute("exception", "classId Doesn't Exist in Class Table");

response.sendRedirect("ManageAirline.jsp");

} catch (Exception er) {

session.setAttribute("exception", "classId Doesn't Exist in Class Table");

response.sendRedirect("ManageAirline.jsp");

}

}

}

/\*\*

\* @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);

}

}

**BookingServlet.java**

package com.flyaway.UServlet;

import java.io.IOException;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.FlightDAO;

import com.flyaway.model.Flight;

/\*\*

\* Servlet implementation class BookingServlet

\*/

public class BookingServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public BookingServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

HttpSession session= request.getSession();

Integer flightId = Integer.parseInt(request.getParameter("flightId\_book"));

session.setAttribute("flightId", flightId);

String classType = (String)session.getAttribute("classType");

FlightDAO flightdao = new FlightDAO();

try {

List<Flight> singleFlight = flightdao.getFlight(flightId);

int nop = (Integer)(session.getAttribute("nop"));

for(Flight flight:singleFlight) {

session.setAttribute("userAirline",flight.getAirline());

if(classType.equals("Economy")) {

double price=flight.getEcPrice()\*nop;

session.setAttribute("price", price);

}

if(classType.equals("First")) {

double price=flight.getFcPrice()\*nop;

session.setAttribute("price", price);

}

if(classType.equals("Business")) {

double price=flight.getBcPrice()\*nop;

session.setAttribute("price", price);

}

response.sendRedirect("ConfirmBooking.jsp");

}

} catch (BusinessException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

/\*\*

\* @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);

}

}

**FUServlet.java**

package com.flyaway.UServlet;

import java.io.IOException;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.FlightDAO;

import com.flyaway.model.Flight;

/\*\*

\* Servlet implementation class FUServlet

\*/

public class FUServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public FUServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

\* response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

Double ec = 0.0;

Double fc = 0.0;

Double bc = 0.0;

String so = request.getParameter("source\_update");

String de = request.getParameter("destination\_update");

String ai = request.getParameter("airline\_update");

if (request.getParameter("ecPrice\_update") != null && !request.getParameter("ecPrice\_update").equals("")

&& !request.getParameter("ecPrice\_update").isEmpty()) {

ec = Double.parseDouble(request.getParameter("ecPrice\_update"));

}

if (request.getParameter("fcPrice\_update") != null && !request.getParameter("fcPrice\_update").equals("")

&& !request.getParameter("fcPrice\_update").isEmpty()) {

fc = Double.parseDouble(request.getParameter("fcPrice\_update"));

}

if (request.getParameter("bcPrice\_update") != null && !request.getParameter("bcPrice\_update").equals("")

&& !request.getParameter("bcPrice\_update").isEmpty()) {

bc = Double.parseDouble(request.getParameter("bcPrice\_update"));

}

HttpSession session = request.getSession();

FlightDAO flightdao = new FlightDAO();

Integer flightId = Integer.parseInt(request.getParameter("flightId\_update"));

try {

if (so == null && de == null && ai == null && ec == 0.0 && fc == 0.0 && bc == 0.0) {

List<Flight> listFlight = flightdao.flightList();

session.setAttribute("listFlight", listFlight);

session.setAttribute("exception", "All fields must not be empty");

response.sendRedirect("ManageFlight.jsp");

} else {

List<Flight> singleFlight = flightdao.getFlight(flightId);

for (Flight sf : singleFlight) {

if (so != null) {

sf.setSource(so);

}

if (de != null) {

sf.setDestination(de);

}

if (ai != null) {

sf.setAirline(ai);

}

if (ec != 0.0) {

sf.setEcPrice(ec);

}

if (fc != 0.0) {

sf.setFcPrice(fc);

}

if (bc != 0.0) {

sf.setBcPrice(bc);

}

int status = flightdao.updateFlight(sf);

if (status != 1) {

session.setAttribute("exception", "Update Failed");

response.sendRedirect("ManageFlight.jsp");

} else {

List<Flight> listFlight = flightdao.flightList();

session.setAttribute("listFlight", listFlight);

session.setAttribute("action", "Updated Successfully");

response.sendRedirect("ManageFlight.jsp");

}

}

}

} catch (BusinessException e) {

session.setAttribute("exception", "classId Doesn't Exist in Class Table");

response.sendRedirect("ManageFlight.jsp");

} catch (Exception er) {

session.setAttribute("exception", "classId Doesn't Exist in Class Table");

response.sendRedirect("ManageFlight.jsp");

}

}

/\*\*

\* @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);

}

}

**PaymentServlet.java**

package com.flyaway.UServlet;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class PaymentServlet

\*/

public class PaymentServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public PaymentServlet() {

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

doGet(request, response);

}

}

**PUServlet.java**

package com.flyaway.UServlet;

import java.io.IOException;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.exception.BusinessException;

import com.flyaway.dao.PlaceDAO;

import com.flyaway.model.Place;

/\*\*

\* Servlet implementation class PUServlet

\*/

public class PUServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public PUServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

HttpSession session = request.getSession();

if(request.getParameter("placeName\_update").isEmpty() && request.getParameter("placeType\_update").equals("Choose Type")) {

session.setAttribute("exception", "All fields were empty");

response.sendRedirect("ManagePlace.jsp");

}else {

Integer placeId = Integer.parseInt(request.getParameter("placeId\_update"));

PlaceDAO placedao = new PlaceDAO();

try {

List<Place> singlePlace = placedao.getPlace(placeId);

for(Place sp: singlePlace) {

if(!request.getParameter("placeName\_update").isEmpty()) {

sp.setPlaceName(request.getParameter("placeName\_update"));

}

if(!request.getParameter("placeType\_update").equals("Choose Type")) {

sp.setPlaceType(request.getParameter("placeType\_update"));

}

int status = placedao.updatePlace(sp);

if (status != 1) {

session.setAttribute("exception", "Update Failed");

response.sendRedirect("ManagePlace.jsp");

} else {

List<Place> listPlace = placedao.placeList();

session.setAttribute("listPlace", listPlace);

session.setAttribute("action", "Updated Successfully");

response.sendRedirect("ManagePlace.jsp");

}

}

}catch (BusinessException e) {

session.setAttribute("exception", "classId Doesn't Exist in Class Table");

response.sendRedirect("viewClass.jsp");

} catch (Exception er) {

session.setAttribute("exception", "classId Doesn't Exist in Class Table");

response.sendRedirect("viewClass.jsp");

}

}

}

/\*\*

\* @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);

}

}

**SearchServlet.java**

package com.flyaway.UServlet;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Date;

import java.text.SimpleDateFormat;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.flyaway.dao.FlightDAO;

import com.flyaway.dao.SearchDAO;

import com.flyaway.model.Flight;

/\*\*

\* Servlet implementation class SearchServlet

\*/

public class SearchServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public SearchServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

\* response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

HttpSession session = request.getSession();

SearchDAO searchdao = new SearchDAO();

FlightDAO flightdao = new FlightDAO();

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

List<String> lop = new ArrayList<String>();

List<String> loa = new ArrayList<String>();

try {

if (request.getParameter("source").isEmpty() || request.getParameter("destination").isEmpty()

|| request.getParameter("dateOfT").isEmpty() || request.getParameter("nop").equals("")

|| request.getParameter("classType").equals("")) {

session.setAttribute("action", "Fields must not be empty");

response.sendRedirect("Home.jsp");

} else {

session.setAttribute("userSource", request.getParameter("source"));

session.setAttribute("userDest", request.getParameter("destination"));

session.setAttribute("nop", (Integer.parseInt(request.getParameter("nop"))));

Date date = new Date(

new SimpleDateFormat("yyyy-MM-dd").parse(request.getParameter("dateOfT")).getTime());

session.setAttribute("doj", date);

//search.setDateofJ(date);

session.setAttribute("classType", request.getParameter("classType"));

boolean status = searchdao.placeSearch(request.getParameter("source"),request.getParameter("destination"));

if(status==true) {

if (request.getParameter("classType").equals("Economy")) {

flightSearch = searchdao.searchEconomy(request.getParameter("source"),request.getParameter("destination"));

}

if (request.getParameter("classType").equals("First")) {

flightSearch = searchdao.searchFirst(request.getParameter("source"),request.getParameter("destination"));

}

if (request.getParameter("classType").equals("Business")) {

flightSearch = searchdao.searchBusiness(request.getParameter("source"),request.getParameter("destination"));

}

if(flightSearch.isEmpty()) {

session.setAttribute("noFlights", "Sorry, NO flights available in the searched route");

response.sendRedirect("Home.jsp");

}else {

session.setAttribute("flightSearch", flightSearch);

response.sendRedirect("FlightResult.jsp");}

}else {

lop=flightdao.listOfPlaces();

session.setAttribute("lop", lop);

loa=flightdao.listOfAirlines();

session.setAttribute("loa", loa);

response.sendRedirect("updateJSP/checkPlace.jsp");

}

}

} catch (Exception e1) {

session.setAttribute("action", e1.getMessage());

response.sendRedirect("Home.jsp");

}

}

/\*\*

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

\* response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

HttpSession session = request.getSession();

if(request.getParameter("custName").isEmpty() || request.getParameter("custEmail").isEmpty() || request.getParameter("custNum").isEmpty()) {

session.setAttribute("exception", "Customer detials must not be empty");

response.sendRedirect("ConfirmBooking.jsp");

}else {

String customerName = request.getParameter("custName");

session.setAttribute("custName", customerName);

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

session.setAttribute("custEmail", custEmail);

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

session.setAttribute("custNum", custNum);

response.sendRedirect("updateJSP/PaymentService.jsp");

}

}

}

**Web Code:**

**AdminDashboard.jsp**

<%@page import=*"javax.servlet.http.HttpSession"*%>

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

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Dashboard</title>

</head>

<style>

*.button* {

background-color: *white*;

color: *#052a49*;

margin: *0px 9px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.button:hover* {

background-color: *#afd3f1*;

}

*.icon* {

width: *400px*;

height: *200px*;

}

**ul** **li** {

display: *inline*;

}

</style>

<body>

<%

HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

} **else** {

Date createTime = **new** Date(mySession.getCreationTime());

%>

<%@ include file=*"header.html"* %>

<div class=*"header"*>

<h2 style="text-align: *center*; font-size: *35px*; margin-bottom:*0*;">Welcome to Dashboard</h2>

<form style="position: *absolute*; right: *0px*; top:*160px*;" action=*"PasswordChange.jsp"*>

<input class=*"button"* type=*"submit"* value=*"Change Password"*>

</form>

<br> <b style="Color: *#325068*;">You Logged in at <%=createTime%></b>

<br />

</div>

<%

**if** (mySession.getAttribute("exception") != **null**) {

%>

<div

style="color: *red*; text-align: *center*; border: *1px outset red*; background-color: *lightblue*;">

<%=mySession.getAttribute("exception")%>

</div>

<%

}

%>

<%

mySession.setAttribute("exception", **null**);

%>

<%**if**(mySession.getAttribute("action") != **null**) {%>

<div style="color: *#052a49*; text-align: *center*; background-color:*#afd3f1*;">

<%=mySession.getAttribute("action")%>

</div>

<%}%>

<%mySession.setAttribute("action",**null**); %>

<hr>

<ul style="list-style-type: *none*; text-align: *center*;">

<li><a href=*"MPlaceServlet"*><img src=*"IMAGES/place.png"* alt=*""* class=*"icon"*></a></li>

<li><a href=*"MAirlineServlet"*><img src=*"IMAGES/airline.png"* alt=*""* class=*"icon"*></a></li>

<li><a href=*"MFlightServlet"*><img src=*"IMAGES/flight.png"* alt=*""* class=*"icon"*></a></li>

</ul>

<%

}

%>

<div style="position:*fixed*; bottom:*0*;right:*0*;left:*0*; width:*100%*;">

<%@ include file=*"footer.html"* %>

</div>

</body>

</html>

**ConfirmBooking.jsp**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Confirm Booking</title>

</head>

<style>

*.details*{

font-size:*28px*;

}

*.btn* {

background-color: *white*;

color: *#052a49*;

margin-left: *600px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.btn:hover*{

background-color: *#afd3f1*;

}

*.tab*{

margin-left:*auto*;

margin-right:*auto*;

display: *block*;

background-color: *#052a49*;

padding: *52px 52px*;

width:*50%*;

border-radius: *8px*;

font-size:*28px*;

text-align:*right*;

}

**label** {

font-size: *24px*;

color: *white*;

}

**input**[type=text]

{

font-size: *14px*;

padding: *12px 20px*;

border: *1px solid white*;

border-radius: *4px*;

width:*100%*

}

*.info*{

text-align:*center*;

}

</style>

<body>

<% HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}%>

<div class=*"logo"*>

<h1

style="color: *#052a49*; font-size: *50px*; font-family: *cursive*; display: *inline*;">&nbspFlyaway</h1>

<img src=*"IMAGES/logoflyway.png"* alt=*"logoflyway"*>

</div>

<%**if** (mySession.getAttribute("exception") != **null**) {%>

<div

style="color: *red*; text-align: *center*; border: *1px outset red*; background-color: *lightblue*;">

<%=mySession.getAttribute("exception")%>

</div>

<%}%>

<%mySession.setAttribute("exception", **null**);%>

<div class=*"getDetails"*>

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

<table class=*"tab"*>

<tr>

<td><label for=*"source"*>Enter Name &nbsp</label></td>

<td><input type=*"text"* name=*"custName"* placeholder=*"as shown in Passport"*></td>

</tr>

<tr>

<td><label for=*"source"*>Enter email &nbsp</label></td>

<td><input type=*"text"* name=*"custEmail"* placeholder=*"to send ticket"*></td>

</tr>

<tr>

<td><label for=*"source"*>Enter Contact Number &nbsp</label></td>

<td><input type=*"text"* name=*"custNum"* placeholder=*"for further contact"*></td>

</tr>

</table>

<h3 class=*"info"*>By clicking on Confirm and Pay below your details will be saved for further contact</h3>

<hr>

<h1 class=*"head"*>Confirm Flight Details and proceed to pay</h1>

<%

out.println("<h3>By clicking on Confirm you will be booked ticket from <strong>"+session.getAttribute("userSource")+

"</strong> to <strong>"+session.getAttribute("userDest")+

"</strong>, flying with <strong>"+session.getAttribute("userAirline")+

"</strong> airlines and the total price will <strong>"+session.getAttribute("price")+

"</strong> for <strong>"+session.getAttribute("nop")+"</strong> passengers on date <strong>"+session.getAttribute("doj")+"</strong></h3>");

%>

<br>

<input type=*"submit"* value=*"Confirm and Proceed to Pay"* class=*"btn"*>

</form>

</div>

</body>

</html>

**FlightResult.jsp**

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

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Flights for you</title>

</head>

<style>

**body** {

background-image: *url(*"<%=request.getContextPath()%>/I**MAGE**S/homeBG.jpg");

backg*roun*d-size: cover;

}

.logo{

margin-left:20px;

margin-top:20px

position:absolute;

width:28%;

background-color:white;

border: 2px solid #052a49;

border-radius: 7px;

}

.tab{

margin-left: auto;

margin-right: auto;

margin-top:30px;

background-color:#052a49;

color:white;

}

table td,th{

text-align:center;

font-size:26px;

padding:10px;

}

.bookBtn{

background-color: white;

color: #052a49;

padding: 4px 15px;

border: 2px solid #052a49;

border-radius: 7px;

font-size: 20px;

cursor: pointer;

}

</style>

<body>

<% HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}%>

<div class=*"logo"*>

<h1

style="color: *#052a49*; font-size: *50px*; font-family: *cursive*; display: *inline*;">&nbspFlyaway</h1>

<img src=*"IMAGES/logoflyway.png"* alt=*"logoflyway"*>

</div>

<div style="position: *absolute*; right: *0px*; top: *40px*; display: *inline*;" class=*"admin"*>

<form action=*"Home.jsp"*>

<input class=*"bookBtn"* type=*"submit"* value=*"Home Page"*>

</form>

</div>

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"* class=*"tab"*>

<thead>

<tr>

<th>Source</th>

<th>Destination</th>

<th>Airline</th>

<th>Price</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

<c:forEach var=*"fs"* items=*"*${flightSearch}*"*>

<tr>

<td><c:out value=*"*${fs.source}*"* /></td>

<td><c:out value=*"*${fs.destination}*"* /></td>

<td><c:out value=*"*${fs.airline}*"* /></td>

<td><c:if test=*"*${fs.ecPrice **ne** '0.0'}*"*><c:out value=*"*${fs.ecPrice}*"* /></c:if>

<c:if test=*"*${fs.fcPrice != '0.0'}*"*><c:out value=*"*${fs.fcPrice}*"* /></c:if>

<c:if test=*"*${fs.bcPrice != 0.0}*"*><c:out value=*"*${fs.bcPrice}*"* /></c:if></td>

<td><form action=*"BookingServlet"* method=*"get"*>

<input type=*"hidden"* name=*"flightId\_book"* value=*"*${fs.flightId}*"*>

<input type=*'submit'* value=*'Book'* class=*"bookBtn"*/>

</form></td>

</tr>

</c:forEach>

</tbody>

</table>

<br>

<br>

<br>

<br>

<div

style="position: *fixed*; bottom: *0*; right: *0*; left: *0*; width: *100%*;">

<%@include file=*'/footer.html'*%>

</div>

</body>

</html>

**footer.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<div style="color:*white*;text-align: *center*; border: *1px outset black*;

background-color: *#052a49*;font-size:*18px*;">

<h4 style="margin:*8px*;">Developer Name: Jeevananham M || Developer Email: jeevanantham.m3108@gmail.com || SimpliLearn Full Stack Development Course Phase 2</h4>

</div>

</body>

</html>

**header.html**

<!DOCTYPE html>

<html lang=*"en"*>

<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>Document</title>

</head>

<style>

**body**{

background-color:*white*;

width:*100%*;

height:*15%*

}

*.button* {

background-color: *white*;

color: *#052a49*;

margin: *0px 9px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.button:hover*{

background-color: *#afd3f1*;

}

</style>

<body>

<div style="margin-left: *20px*;" class=*"logo"*>

<h1

style="color: *#052a49*; font-size: *50px*; font-family: *cursive*; display: *inline*;">Flyaway</h1>

<img src=*"IMAGES/logoflyway.png"* alt=*"logoflyway"*>

</div>

<div

style="position: *absolute*; right: *0px*; top: *40px*; display: *inline*;"

class=*"admin"*>

<form style="text-align:*right*;" action=*"LogoutServlet"*>

<input class=*"button"* type=*"submit"* value=*"Log out"*>

</form>

<br>

<form action=*"Home.jsp"*>

<input class=*"button"* type=*"submit"* value=*"Home Page"*>

</form>

</div>

</body>

</html>

**Home.jsp**

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

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Welcome to Flyaway</title>

</head>

<style>

**body** {

background-image: *url(*"<%=request.getContextPath()%>/IMAGE**S/ho**meBG.jpg");

backgroun*d-si*ze: cover;

}

.container {

margin-left:auto;

margin-right:auto;

display: block;

background-color: #052a49;

padding: 17px 52px;

width: 30%;

border-radius: 8px

}

label {

font-size: 24px;

color: white;

}

input[type=text],

input[type=date]

{

font-size: 14px;

padding: 12px 20px;

border: 1px solid white;

border-radius: 4px;

width:80%

}

select{

font-size: 14px;

padding: 12px 20px;

border: 1px solid white;

border-radius: 4px;

width:100%

}

.button {

background-color: white;

color: #052a49;

margin-left: 299px;

padding: 4px 4px;

border: 2px solid #052a49;

border-radius: 7px;

font-size: 20px;

cursor: pointer;

}

.button:hover{

background-color: #afd3f1;

}

</style>

<body>

<%

HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

%>

<div style="background-color: *white*; position: *fixed*; top: *0*; right: *0*; left: *0*">

<div style="margin-left:*20px*;" class=*"logo"*>

<h1 style="color:*#052a49*;font-size: *50px*; font-family:*cursive*;display: *inline*; ">FlyAway</h1>

<img src=*"IMAGES/logoflyway.png"* alt=*"logoflyway"*>

</div>

<div style="position: *absolute*; right: *20px*;top:*40px*; display: *inline*;" class=*"admin"*>

<form action=*"Login.jsp"*>

<input class=*"button"* type=*"submit"* value=*"Admin Login"*>

</form>

</div>

</div>

<br>

<div style="width:*100%*;">

<h1 style="color: *#052a49*; font-size: *80px*; text-align:*center*">Let the journey

begin</h1>

</div>

<%**if** (mySession.getAttribute("action") != **null**) {%>

<span

style="color: *#052a49*; text-align: *center*; background-color: *#afd3f1*;margin-left:*40%*; font-size:*30px*;">

<%=mySession.getAttribute("action")%>

</span>

<%} %>

<%mySession.setAttribute("action", **null**);%>

<%**if** (mySession.getAttribute("noFlights") != **null**) {%>

<span

style="color: *#052a49*; text-align: *center*; background-color: *#afd3f1*;margin-left:*30%*; font-size:*30px*;">

<%=mySession.getAttribute("noFlights")%>

</span>

<%} %>

<%mySession.setAttribute("noFlights", **null**);%>

<div class=*"container"*>

<form action=*"SearchServlet"* method=*"get"*>

<table>

<tr>

<td><label for=*"source"*>Source</label></td>

<td><input type=*"text"* name=*"source"* placeholder=*"From"* required></td>

</tr>

<tr>

<td><label for=*"destination"*>Destination</label></td>

<td><input type=*"text"* name=*"destination"* placeholder=*"To"* required></td>

</tr>

<tr>

<td><label for=*"nop"*>No. of Passengers</label></td>

<td><select id=*"nop"* name=*"nop"*>

<option value=*""* Disabled Selected>Passengers</option>

<option value=*"1"*>1</option>

<option value=*"2"*>2</option>

<option value=*"3"*>3</option>

<option value=*"4"*>4</option>

<option value=*"5"*>5</option>

<option value=*"6"*>6</option>

<option value=*"7"*>7</option>

<option value=*"8"*>8</option>

<option value=*"9"*>9</option>

<option value=*"10"*>10</option>

</select></td>

<!-- <td><input type="text" name="passengers" placeholder="No. of passengers"></td> -->

</tr>

<tr>

<td><label for=*"dateOfT"*>Date of Travel</label></td>

<td><input type=*"date"* name=*"dateOfT"*></td>

</tr>

<tr>

<td><label for=*"classType"*>Class</label></td>

<td><select id=*"classType"* name=*"classType"*>

<option value=*""* Disabled Selected>Select class</option>

<option value=*"Economy"*>Economy Class</option>

<option value=*"First"*>First Class</option>

<option value=*"Business"*>Business Class</option>

</select></td>

</tr>

</table>

<br>

<input style="text-align:*right*" type=*"submit"* value=*"Search Flights"* class=*"button"*>

</form>

</div>

<br>

<div>

<%@include file=*"footer.html"* %>

</div>

</body>

</html>

**Login.jsp**

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Login</title>

</head>

<style>

*.homeButton* {

background-color: *white*;

color: *#052a49*;

margin: *0px 9px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.homeButton:hover*{

background-color: *#afd3f1*;

}

</style>

<body>

<div style="margin-left:*20px*;" class=*"logo"*>

<h1 style="color:*#052a49*;font-size: *50px*; font-family:*cursive*;display: *inline*; ">Flyway</h1>

<img src=*"IMAGES/logoflyway.png"* alt=*"logoflyway"*>

</div>

<div style="position: *absolute*; right: *20px*;top:*40px*; display: *inline*;" class=*"admin"*>

<form action=*"Home.jsp"*>

<input class=*"homeButton"* type=*"submit"* value=*"Home Page"*>

</form>

</div>

<br>

<br>

<h2 style="text-align:*center*; color: *brown*; ">Welcome to Flyway admin portal</h2>

<hr />

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

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

<table style="border: *black 2px solid*; text-align: *center*; margin-left: *auto*;margin-right: *auto*;">

<tr >

<td>Enter Username</td>

<td><input type=*"text"* name=*"username"* placeholder=*"username"*></td>

</tr>

<tr>

<td>Enter Password</td>

<td><input type=*"password"* name=*"password"* placeholder=*"password"*></td>

</tr>

</table>

<br>

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

</form>

</div>

<div style="position:*fixed*; bottom:*0*;right:*0*;left:*0*; width:*100%*;">

<%@include file=*"footer.html"* %>

</div>

</body>

</html>

**ManageAirline.jsp**

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

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Manage Airlines</title>

</head>

<style>

*.button* {

background-color: *white*;

color: *#052a49*;

margin: *0px 9px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.button:hover* {

background-color: *#afd3f1*;

}

**table**{

font-weight:*bold*;

color:*white*;

background-color:*#052a49*;

}

**input** [type=submit]{

font-weight:*bold*;

}

**table** **thead** {

position: *-webkit-sticky*;

position: *sticky*;

top: *0*;

}

**input**[type=text]

{

font-size: *14px*;

border: *1px solid white*;

border-radius: *4px*;

width:*80%*

}

**select**{

border: *1px solid white*;

border-radius: *4px*;

width:*100%*

}

*.btn*{

background-color: *white*;

color: *#052a49*;

border: *2px solid #052a49*;

border-radius: *7px*;

cursor: *pointer*;

}

</style>

<body>

<%

HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

%>

<%@include file=*"header.html"*%>

<form style="position: *absolute*; right: *0px*; top:*150px*;" action=*"AdminDashboard.jsp"*>

<input class=*"button"* type=*"submit"* value=*"Admin Dashboard"*>

</form>

<%

**if** (mySession.getAttribute("exception") != **null**) {

%>

<div

style="color: *red*; text-align: *center*; border: *1px outset red*; background-color: *lightblue*;">

<%=mySession.getAttribute("exception")%>

</div>

<%

}

%>

<%

mySession.setAttribute("exception", **null**);

%>

<%

**if** (mySession.getAttribute("action") != **null**) {

%>

<div

style="color: *#052a49*; text-align: *center*; background-color: *#afd3f1*;">

<%=mySession.getAttribute("action")%>

</div>

<%

}

%>

<%

mySession.setAttribute("action", **null**);

%>

<h2 style="text-align: *center*; color: *orange*">Add New Airlines</h2>

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

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"*

style="text-align: *center*; margin-left: *auto*; margin-right: *auto*;">

<tr>

<td>Airlines Name</td>

<td><input type=*"text"* name=*"airlineName"*

placeholder=*"Airline Name"*></td>

</tr>

<tr>

<td>Contact Name</td>

<td><input type=*"text"* name=*"contactName"*

placeholder=*"Contact Name"*></td>

</tr>

<tr>

<td>Contact Number</td>

<td><input type=*"text"* name=*"contactNumber"*

placeholder=*"Contact Number"*></td>

</tr>

<tr>

<td colspan=*"2"*><input type=*"submit"* name=*"add"*

value=*"Add Airlines"* class=*"btn"*></td>

</tr>

</table>

</form>

<br>

<hr>

<h2 style="color: *orange*; text-align: *center*">List Of Airlines</h2>

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"*

style="margin-left: *auto*; margin-right: *auto*;">

<thead>

<tr>

<th>Airlines Id</th>

<th>Airlines Name</th>

<th>Contact Name</th>

<th>Contact Number</th>

<th>Actions</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

<c:forEach var=*"la"* items=*"*${listAirline}*"*>

<tr>

<td><c:out value=*"*${la.airlineId}*"* /></td>

<td><c:out value=*"*${la.airlineName}*"* /></td>

<td><c:out value=*"*${la.contactName}*"* /></td>

<td><c:out value=*"*${la.contactNumber}*"* /></td>

<td><form action=*"ADAirlineServlet"* method=*"get"*>

<input type=*"hidden"* name=*"airlineId\_delete"* value=*"*${la.airlineId}*"*>

<input type=*'submit'* value=*'Delete'* class=*"btn"* onclick=*"return confirm('Are you sure you want to delete?*<br>*All related flights will be deleted')"*/>

</form></td>

<td><form action=*"MAirlineServlet"* method=*"post"*>

<input type=*"hidden"* name=*"airlineId\_update"* value=*"*${la.airlineId}*"*>

<input type=*'submit'* value=*'Update'* class=*"btn"*/>

</form></td>

</tr>

</c:forEach>

</tbody>

</table>

<br>

<br>

<br>

<br>

<div

style="position: *fixed*; bottom: *0*; right: *0*; left: *0*; width: *100%*;">

<%@include file=*'/footer.html'*%>

</div>

</body>

</html>

**ManageFlight.jsp**

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

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Manage Flight</title>

</head>

<style>

*.button* {

background-color: *white*;

color: *#052a49*;

margin: *0px 9px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.button:hover* {

background-color: *#afd3f1*;

}

**table**{

font-weight:*bold*;

color:*white*;

background-color:*#052a49*;

}

**input** [type=submit]{

font-weight:*bold*;

}

**table** **thead** {

position: *-webkit-sticky*;

position: *sticky*;

top: *0*;

}

**input**[type=text]

{

font-size: *14px*;

border: *1px solid white*;

border-radius: *4px*;

width:*80%*

}

**select**{

border: *1px solid white*;

border-radius: *4px*;

width:*100%*

}

*.btn*{

background-color: *white*;

color: *#052a49*;

border: *2px solid #052a49*;

border-radius: *7px*;

cursor: *pointer*;

}

</style>

<body>

<%

HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

%>

<%@include file=*"header.html"*%>

<form style="position: *absolute*; right: *0px*; top:*150px*;" action=*"AdminDashboard.jsp"*>

<input class=*"button"* type=*"submit"* value=*"Admin Dashboard"*>

</form>

<%

**if** (mySession.getAttribute("exception") != **null**) {

%>

<div

style="color: *red*; text-align: *center*; border: *1px outset red*; background-color: *lightblue*;">

<%=mySession.getAttribute("exception")%>

</div>

<%

}

%>

<%

mySession.setAttribute("exception", **null**);

%>

<%

**if** (mySession.getAttribute("action") != **null**) {

%>

<div

style="color: *#052a49*; text-align: *center*; background-color: *#afd3f1*;">

<%=mySession.getAttribute("action")%>

</div>

<%

}

%>

<%

mySession.setAttribute("action", **null**);

%>

<h2 style="text-align: *center*; color: *orange*">Add New Flight</h2>

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

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"*

style="text-align: *center*; margin-left: *auto*; margin-right: *auto*;">

<tr>

<td>Source\*</td>

<td><select name=*"source"*>

<option value=*""* disabled selected>Choose Source</option>

<c:forEach var=*"lp"* items=*"*${lop}*"*>

<option value=*"*${lp}*"*><c:out value=*"*${lp}*"* /></option>

</c:forEach>

</select></td>

</tr>

<tr>

<td>Destination\*</td>

<td><select name=*"destination"*>

<option value=*""* disabled selected>Choose Destination</option>

<c:forEach var=*"lp"* items=*"*${lop}*"*>

<option value=*"*${lp}*"*><c:out value=*"*${lp}*"* /></option>

</c:forEach>

</select></td>

</tr>

<tr>

<td>Airline\*</td>

<td><select name=*"airline"*>

<option value=*""* disabled selected>Select Airline</option>

<c:forEach var=*"la"* items=*"*${loa}*"*>

<option value=*"*${la}*"*><c:out value=*"*${la}*"* /></option>

</c:forEach>

</select></td>

</tr>

<tr>

<td>Economy Class Price</td>

<td><input type=*"text"* name=*"ecPrice"*

placeholder=*"Economy CLass"*></td>

</tr>

<tr>

<td>First Class Price</td>

<td><input type=*"text"* name=*"fcPrice"*

placeholder=*"First Class"*></td>

</tr>

<tr>

<td>Business Class Price</td>

<td><input type=*"text"* name=*"bcPrice"*

placeholder=*"Business Class"*></td>

</tr>

<tr>

<td colspan=*"2"*><input type=*"submit"* name=*"add"*

value=*"Add Flight"* class=*"btn"*></td>

</tr>

</table>

</form>

<br>

<hr>

<h2 style="color: *orange*; text-align: *center*">List Of Airlines</h2>

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"*

style="margin-left: *auto*; margin-right: *auto*;">

<thead>

<tr>

<th>Flight Id</th>

<th>Source</th>

<th>Destination</th>

<th>Airline</th>

<th>Economy Class Price</th>

<th>First Class Price</th>

<th>Business Class Price</th>

<th>Actions</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

<c:forEach var=*"lf"* items=*"*${listFlight}*"*>

<tr>

<td><c:out value=*"*${lf.flightId}*"*/></td>

<td><c:out value=*"*${lf.source}*"* /></td>

<td><c:out value=*"*${lf.destination}*"* /></td>

<td><c:out value=*"*${lf.airline}*"* /></td>

<td><c:if test=*"*${lf.ecPrice **ne** 0.1}*"*><c:out value=*"*${lf.ecPrice}*"* /></c:if></td>

<td><c:if test=*"*${lf.fcPrice **ne** 0.1}*"*><c:out value=*"*${lf.fcPrice}*"* /></c:if></td>

<td><c:if test=*"*${lf.bcPrice **ne** 0.1}*"*><c:out value=*"*${lf.bcPrice}*"* /></c:if></td>

<td><form action=*"ADFlightServlet"* method=*"get"*>

<input type=*"hidden"* name=*"flightId\_delete"* value=*"*${lf.flightId}*"*>

<input type=*'submit'* value=*'Delete'* onclick="return confirm('Are you sure you want to delete?')" class=*"btn"*/>

</form></td>

<td><form action=*"MFlightServlet"* method=*"post"*>

<input type=*"hidden"* name=*"flightId\_update"* value=*"*${lf.flightId}*"*>

<input type=*'submit'* value=*'Update'* class=*"btn"*/>

</form></td>

</tr>

</c:forEach>

</tbody>

</table>

<br>

<br>

<br>

<br>

<div

style="position: *fixed*; bottom: *0*; right: *0*; left: *0*; width: *100%*;">

<%@include file=*'/footer.html'*%>

</div>

</body>

</html>

**ManagePlace.jsp**

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

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Manage Places</title>

</head>

<style>

*.button* {

background-color: *white*;

color: *#052a49*;

margin: *0px 9px*;

padding: *4px 4px*;

border: *2px solid #052a49*;

border-radius: *7px*;

font-size: *20px*;

cursor: *pointer*;

}

*.button:hover* {

background-color: *#afd3f1*;

}

**table**{

font-weight:*bold*;

color:*white*;

background-color:*#052a49*;

}

**input** [type=submit]{

font-weight:*bold*;

}

**table** **thead** {

position: *-webkit-sticky*;

position: *sticky*;

top: *0*;

}

**input**[type=text]

{

font-size: *14px*;

border: *1px solid white*;

border-radius: *4px*;

width:*80%*

}

**select**{

border: *1px solid white*;

border-radius: *4px*;

width:*100%*

}

*.btn*{

background-color: *white*;

color: *#052a49*;

border: *2px solid #052a49*;

border-radius: *7px*;

cursor: *pointer*;

}

</style>

<body>

<%

HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

}

%>

<%@include file=*"header.html"*%>

<form style="position: *absolute*; right: *0px*; top:*150px*;" action=*"AdminDashboard.jsp"*>

<input class=*"button"* type=*"submit"* value=*"Admin Dashboard"*>

</form>

<%

**if** (mySession.getAttribute("exception") != **null**) {

%>

<div

style="color: *red*; text-align: *center*; border: *1px outset red*; background-color: *lightblue*;">

<%=mySession.getAttribute("exception")%>

</div>

<%

}

%>

<%

mySession.setAttribute("exception", **null**);

%>

<%

**if** (mySession.getAttribute("action") != **null**) {

%>

<div

style="color: *#052a49*; text-align: *center*; background-color: *#afd3f1*;">

<%=mySession.getAttribute("action")%>

</div>

<%

}

%>

<%

mySession.setAttribute("action", **null**);

%>

<h2 style="text-align: *center*; color: *orange*">Add New Place</h2>

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

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"*

style="text-align: *center*; margin-left: *auto*; margin-right: *auto*;">

<tr>

<td>Place Name</td>

<td><input type=*"text"* name=*"placeName"*

placeholder=*"Place Name"*></td>

</tr>

<tr>

<td>Place Type</td>

<td><select name=*"placeType"*>

<option value=*""* disabled selected>Choose Type</option>

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

<option value=*"HillStation"*>Hill Station</option>

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

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

<option value=*"Town&City"*>Town and Cities</option>

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

</select></td>

</tr>

<tr>

<td colspan=*"2"*><input type=*"submit"* name=*"add"*

value=*"Add Place"* class=*"btn"*></td>

</tr>

</table>

</form>

<br>

<hr>

<h2 style="color: *orange*; text-align: *center*">List Of Places</h2>

<table border=*"1"* cellpadding=*"5"* cellspacing=*"2"*

style="margin-left: *auto*; margin-right: *auto*;">

<thead>

<tr>

<th>Place Id</th>

<th>Place Name</th>

<th>Place Type</th>

<th>Actions</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

<c:forEach var=*"lp"* items=*"*${listPlace}*"*>

<tr>

<td><c:out value=*"*${lp.placeId}*"* /></td>

<td><c:out value=*"*${lp.placeName}*"* /></td>

<td><c:out value=*"*${lp.placeType}*"* /></td>

<td><form action=*"ADPlaceServlet"* method=*"get"*>

<input type=*"hidden"* name=*"placeId\_delete"* value=*"*${lp.placeId}*"*>

<input type=*'submit'* value=*'Delete'* class=*"btn"* onclick="return confirm('Are you sure you want to delete? \*\*All related flights will be deleted\*\*')"/>

</form></td>

<td><form action=*"MPlaceServlet"* method=*"post"*>

<input type=*"hidden"* name=*"placeId\_update"* value=*"*${lp.placeId}*"*>

<input type=*'submit'* value=*'Update'* class=*"btn"*/>

</form></td>

</tr>

</c:forEach>

</tbody>

</table>

<br>

<br>

<br>

<br>

<div

style="position: *fixed*; bottom: *0*; right: *0*; left: *0*; width: *100%*;">

<%@include file=*'/footer.html'*%>

</div>

</body>

</html>

**PasswordChange.jsp**

<%@page import=*"javax.servlet.http.HttpSession"*%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<%

HttpSession mySession = request.getSession(**false**);

**if** (mySession == **null**) {

out.print("<center><h3>Your session has expired.. Navigating you to home page.....</h3></center>");

response.setHeader("refresh", "5;url='/Flyway'");

} **else** {%>

<h2>Enter details for password change</h2>

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

<table border=*"1"*>

<tr>

<td><label>Username</label></td>

<td><%=(String)session.getAttribute("uname")%></td>

</tr>

<tr>

<td>Enter Old Password</td>

<td><input type=*"password"* name=*"oldPassword"*></td>

</tr>

<tr>

<td>Enter New Password</td>

<td><input type=*"password"* name=*"newPassword"*></td>

</tr>

</table>

<input type=*"submit"* value=*"Change Password"*>

</form>

<%} %>

</body>

</html>

**SQL Code :**

**/\*Creating Database with Name flyaway\*/**

CREATE DATABASE flyaway;

USE flyaway;

**/\*Create users Table\*/**

CREATE TABLE users(

username VARCHAR(30) PRIMARY KEY,

password VARCHAR(30));

**/\*Add values into admin table\*/**

INSERT INTO users VALUES("admin","password");

**/\*Create place Table\*/**

CREATE TABLE place(

place\_id INT PRIMARY KEY,

place\_name VARCHAR(50),

place\_type VARCHAR(20));

**/\*Create airline Table\*/**

CREATE TABLE airline(

airline\_id INT PRIMARY KEY,

airline\_name VARCHAR(50),

contact\_name VARCHAR(30),

contact\_number VARCHAR(15));

**/\*Create flight Table\*/**

CREATE TABLE flight(

flight\_id INT PRIMARY KEY,

source\_id VARCHAR(30),

destination\_id VARCHAR(30),

airline\_id VARCHAR(30),

ec\_price FLOAT,

fc\_price FLOAT,

bc\_price FLOAT);