package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/AddFlight")

public class AddFlight extends HttpServlet {

private static final long serialVersionUID = 1L;

public AddFlight() {

super();

}

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

PrintWriter pw=response.getWriter();

try{

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

String user="root";

String password="root";

String url="jdbc:mysql://localhost:3306/flyaway";

Connection con=DriverManager.getConnection(url,user,password);

if(!request.getParameter("source").equals(request.getParameter("destination"))) {

PreparedStatement ps=con.prepareStatement("insert into flights(source,destination,time,duration,price) values(?,?,?,?,?)");

ps.setString(1, request.getParameter("source"));

ps.setString(2, request.getParameter("destination"));

ps.setString(3, request.getParameter("time"));

ps.setInt(4, Integer.parseInt(request.getParameter("duration")));

ps.setInt(5, Integer.parseInt(request.getParameter("price")));

ps.executeUpdate();

ps.close();

request.getRequestDispatcher("add.html").include(request, response);

pw.println("<center><SPAN style='color:green'>Flight Added Successfully</SPAN></center>");

}

else {

request.getRequestDispatcher("add.html").include(request, response);

pw.println("<center><SPAN style='color:red'>Source And Destination cannot be same</SPAN></center>");

}

}

catch (Exception e) {

pw.print(e);

}

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/Admin")

public class Admin extends HttpServlet {

private static final long serialVersionUID = 1L;

public Admin() {

}

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

PrintWriter pw=response.getWriter();

try{

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

String user="root";

String password="root";

String url="jdbc:mysql://localhost:3306/FlyAway";

Connection con=DriverManager.getConnection(url,user,password);

PreparedStatement ps=con.prepareStatement("select \* from admin");

ResultSet rs=ps.executeQuery();

if(rs.next()) {

if(request.getParameter("username").equals(rs.getString(1))&&request.getParameter("password").equals(rs.getString(2))) {

request.getRequestDispatcher("1.html").include(request, response);

}

else {

request.getRequestDispatcher("index.html").include(request, response);

pw.println("<h3 align='right'><SPAN style='color:red'>Invalid Credentials</SPAN></h3>");

}

}

}

catch (Exception e) {

pw.print(e);

}

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.sql.SQLException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/Book")

public class Book extends HttpServlet {

private static final long serialVersionUID = 1L;

public Book() {

super();

}

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

try {

List<Flights> flightlist=FlightsDB.getFlightsList();

request.setAttribute("flightlist", flightlist);

} catch (ClassNotFoundException | SQLException e) {

e.printStackTrace();

}

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

dispatcher.forward(request, response);

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/Change")

public class Change extends HttpServlet {

private static final long serialVersionUID = 1L;

public Change() {

super();

}

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

PrintWriter pw=response.getWriter();

try{

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

String user="root";

String password="root";

String url="jdbc:mysql://localhost:3306/flyaway";

Connection con=DriverManager.getConnection(url,user,password);

PreparedStatement ps=con.prepareStatement("select \* from admin");

ResultSet rs=ps.executeQuery();

if(rs.next()) {

if(request.getParameter("newpassword").equals(request.getParameter("conpassword"))&&request.getParameter("oldpassword").equals(rs.getString(2))&&!request.getParameter("newpassword").equals(rs.getString(2))) {

PreparedStatement ps1=con.prepareStatement("update admin set Password=? where Username=?");

ps1.setString(1, request.getParameter("newpassword"));

ps1.setString(2, "AtharvC");

ps1.executeUpdate();

ps1.close();

request.getRequestDispatcher("cp.html").include(request, response);

pw.println("<center><SPAN style='color:green'>Password Changed Successfully</SPAN></center>");

}

else {

request.getRequestDispatcher("cp.html").include(request, response);

pw.println("<center><SPAN style='color:red'>Invalid Credentials</SPAN></center>");

}

}

}

catch (Exception e)

{

pw.print(e);

}

}

}

====================================================================================================================================

package com.admin;

public class Customer

{

private String name;

private long phone;

private int flightno;

private long cardno;

private String cardname;

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public long getPhone() {

return phone;

}

public void setPhone(long phone) {

this.phone = phone;

}

public int getFlightno() {

return flightno;

}

public void setFlightno(int flightno) {

this.flightno = flightno;

}

public long getCardno() {

return cardno;

}

public void setCardno(long cardno) {

this.cardno = cardno;

}

public String getCardname() {

return cardname;

}

public void setCardname(String cardname) {

this.cardname = cardname;

}

@Override

public String toString() {

return "Customer [name=" + name + ", phone=" + phone + ", flightno=" + flightno + ", cardno=" + cardno

+ ", cardname=" + cardname + "]";

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/Delete")

public class Delete extends HttpServlet {

private static final long serialVersionUID = 1L;

public Delete() {

super();

}

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

PrintWriter pw=response.getWriter();

try{

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

String user="root";

String password="root";

String url="jdbc:mysql://localhost:3306/flyaway";

Connection con=DriverManager.getConnection(url,user,password);

PreparedStatement ps=con.prepareStatement("delete from flights where flightnumber=?");

ps.setString(1, request.getParameter("flightnos"));

ps.executeUpdate();

ps.close();

request.getRequestDispatcher("show-flights.jsp").include(request, response);

pw.println("<center><SPAN style='color:green'>Flight Deleted Successfully or entered Flight Number doesn't exist</SPAN></center>");

}

catch (Exception e)

{

pw.print(e);

}

}

}

====================================================================================================================================

package com.admin;

public class Flights

{

private int flightNumber;

private String source;

private String destination;

private String time;

private int duration;

private int price;

public int getFlightNumber() {

return flightNumber;

}

public void setFlightNumber(int flightNumber) {

this.flightNumber = flightNumber;

}

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 getTime() {

return time;

}

public void setTime(String time) {

this.time = time;

}

public int getDuration() {

return duration;

}

public void setDuration(int duration) {

this.duration = duration;

}

public int getPrice() {

return price;

}

public void setPrice(int price) {

this.price = price;

}

public Flights(int flightNumber, String source, String destination, String time, int duration, int price) {

this.flightNumber = flightNumber;

this.source = source;

this.destination = destination;

this.time = time;

this.duration = duration;

this.price = price;

}

}

====================================================================================================================================

package com.admin;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;

public class FlightsDB {

public static List<Flights> getFlightsList() throws ClassNotFoundException, SQLException{

String url="jdbc:mysql://localhost:3306/flyaway";

String userName="root";

String password="root";

ArrayList<Flights> flights=new ArrayList<>();

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

Connection con=DriverManager.getConnection(url,userName,password);

Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select \* from flights");

while(rs.next()) {

int flightnumber=rs.getInt(1);

String source=rs.getString(2);

String destination=rs.getString(3);

String time=rs.getString(4);

int duration=rs.getInt(5);

int price=rs.getInt(6);

Flights f=new Flights(flightnumber,source,destination,time,duration,price);

flights.add(f);

}

return flights;

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.sql.SQLException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/FlightsServ")

public class FlightsServ extends HttpServlet {

private static final long serialVersionUID = 1L;

public FlightsServ() {

super();

}

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

try {

List<Flights> flightlist=FlightsDB.getFlightsList();

request.setAttribute("flightlist", flightlist);

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

RequestDispatcher dispatcher=request.getRequestDispatcher("show-flights.jsp");

dispatcher.forward(request, response);

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

@WebServlet("/Payment")

public class Payment extends HttpServlet {

private static final long serialVersionUID = 1L;

public Payment() {

super();

}

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

Customer c=new Customer();

HttpSession session=request.getSession();

c.setFlightno(Integer.parseInt(request.getParameter("flight")));

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

c.setPhone(Long.parseLong(request.getParameter("phone")));

session.setAttribute("customer", c);

response.sendRedirect("payment.html");

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

@WebServlet("/PaySuccess")

public class PaySuccess extends HttpServlet {

private static final long serialVersionUID = 1L;

public PaySuccess() {

super();

}

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

Flights f;

PrintWriter pw=response.getWriter();

HttpSession session =request.getSession(false);

Customer u=(Customer) session.getAttribute("customer");

Customer u2=(Customer) request.getAttribute("customer");

u.setCardname(u2.getCardname());

u.setCardno(u2.getCardno());

try{

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

String user="root";

String password="root";

String url="jdbc:mysql://localhost:3306/flyaway";

Connection con=DriverManager.getConnection(url,user,password);

PreparedStatement ps=con.prepareStatement("select \* from flights where flightnumber=?");

ps.setInt(1, u.getFlightno());

ResultSet rs=ps.executeQuery();

if(rs.next()) {

f=new Flights(rs.getInt(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getInt(5),rs.getInt(6));

pw.print("<button><a href='index.html'>Home</a></button>");

pw.print("<h1 align='center'>Congratualtions you have Successfully booked your Ticket</h1><br>");

pw.print("<h2 align='center'>Details are as below</h2><br>");

pw.print("<center> Name:"+u.getName()+"</center>");

pw.print("<center> Flight Number:"+u.getFlightno()+"</center>");

pw.print("<center> Source:"+f.getSource()+"</center>");

pw.print("<center> Destination:"+f.getDestination()+"</center>");

pw.print("<center> Time:"+f.getTime()+"</center>");

pw.print("<center>Payment Details are as Follows:</center>");

pw.print("<center> Price:"+f.getPrice()+"</center>");

pw.print("<center> CardNumber:"+u.getCardno()+"</center>");

pw.print("<center> Name of CardHolder:"+u.getCardname()+"</center><br>");

pw.print("<center>Payment Status:<span style='color:green'>Successful</span></center>");

}

}

catch (Exception e)

{

pw.print(e);

}

}

}

====================================================================================================================================

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.Filter;

import javax.servlet.FilterChain;

import javax.servlet.FilterConfig;

import javax.servlet.ServletException;

import javax.servlet.ServletRequest;

import javax.servlet.ServletResponse;

import javax.servlet.annotation.WebFilter;

import javax.servlet.http.HttpFilter;

import javax.servlet.http.HttpSession;

@WebFilter("/Validation")

public class Validation extends HttpFilter implements Filter {

public Validation() {

super();

}

public void destroy() {

}

public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain) throws IOException, ServletException {

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

if(cardno==null||!cardno.matches("[0-9]{12}")||!request.getParameter("cvv").matches("[0-9]{3}")){

PrintWriter pw=response.getWriter();

request.getRequestDispatcher("payment.html").include(request, response);

pw.println("<center><SPAN style='color:red'>Invalid Credentials</SPAN></center>");

}

else {

Customer c=new Customer();

c.setCardname(request.getParameter("name1"));

c.setCardno(Long.parseLong(request.getParameter("cardno")));

request.setAttribute("customer", c);

chain.doFilter(request, response);

}

}

public void init(FilterConfig fConfig) throws ServletException {

}

}