Source Code of flyaway project by ayush maithani >>>

//////////////////////////////////////////////////////////////////////////////

create database flyaway;

use database flyaway;

create table admin(

Username varchar(40) primary key,

Password varchar(40)

);

insert into admin values(“Ayush”,”1234”);

>>>>HTML file<<<<<

////////////////////////////////////////////////////////////////////////

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>FlyAway</**title**>

</**head**>

<**body**>

<**h1**><**center**>Welcome to FlyAway</**center**></**h1**><**br**><**br**><**br**><**br**><**br**>

<**h2**>Wanna Book Flight? Then Click the below Button</**h2**>

<**button**><**a** href=*"Book"*>Booking</**a**></**button**>

<**h2** align=*"right"*>For Admin Use Only</**h2**>

<**h2** align=*"right"*>Log In&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</**h2**>

<**h3** align=*"right"*>

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

Username:<**input** type=*"text"* name=*"username"*><**br**><**br**>

Password:<**input** type=*"password"* name=*"password"*><**br**><**br**>

<**input** type=*submit* value=*LogIn* name=*"login"*>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</**form**>

</**h3**>

</**body**>

</**html**>

/////////////////////////////////////////////////////////////

Admin.java servlet code

//////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class Admin

\*/

@WebServlet("/Admin")

public class Admin extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* Default constructor.

\*/

public Admin() {

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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="Ayush@123";

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);

}

}

}

/////////////////////////////////////////////////////////////////

* Code of >> 1.html

////////////////////////////////////////////////////////////////

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>Welcome Admin</**title**>

</**head**>

<**body**>

<**h3** align=*"right"*><**button**><**a** href=*"cp.html"*>Change Password</**a**></**button**><**button**><**a** href=*"index.html"*>Log Out</**a**></**button**></**h3**>

<**center**><**h1**>Welcome Ayush</**h1**></**center**>

<**center**><**h1**>LogIn Successful</**h1**></**center**>

<**h2**>What are you planning to do Today?</**h2**>

<**br**>

<**h3**>If you want to see list of flights available then click on delete flight option</**h3**>

<**h3**>

<**button**><**a** href=*"add.html"*>Add Flight</**a**></**button**>

<**button**><**a** href=*"FlightsServ"*>Delete Flight</**a**></**button**>

</**h3**>

</**body**>

</**html**>

/////////////////////////////////////////////////////////////////////////////

* Code >>cp.html.

////////////////////////////////////////////////////////////////////////////////

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>Change Password</**title**>

</**head**>

<**body**>

<**br**><**br**><**br**><**br**><**br**><**br**>

<**center**>

<**h1**>Change Password</**h1**><**br**>

<**h4**>1)Old Password should be correct<**br**>2)New Password and Old Password

should not be same<**br**>3)Confirm Password should match New Password<**br**>

Note:If any of the above confition fails then it will be considered as Invalid Credentials</**h4**>

<**h2**>

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

Enter Old Password:<**input** type=*"password"* name=*"oldpassword"*><**br**><**br**>

Enter New Password:<**input** type=*"password"* name=*"newpassword"*><**br**><**br**>

Confirm New Password:<**input** type=*"password"* name=*"conpassword"*><**br**><**br**>

<**input** type=*"submit"* name=*"cpass"* value=*"Change Password"*><**br**>

</**form**>

<**button**><**a** href=*"1.html"*>Cancel</**a**></**button**>

</**h2**></**center**>

</**body**>

</**html**>

////////////////////////////////////////////////////////////////////////////

* Code of >>Change.java

/////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class Change

\*/

@WebServlet("/Change")

public class Change extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Change() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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="Ayush@123";

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);

}

}

}

///////////////////////////////////////////////////////////////////////////////////////

use flyaway;

create table flights(

flightnumber int primary key auto\_increment,

source varchar(40),

destination varchar(40),

time varchar(40),

duration int,

price int

);

///////////////////////////////////////////////////////////////////////////////////////

* Code for add.html>>

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>Add Flight</**title**>

</**head**>

<**body**>

<**h3** align=*"right"*><**a** href=*"1.html"*>Back</**a**></**h3**>

<**br**><**br**><**br**><**br**>

<**h1** align=*"center"*>Add Flight</**h1**>

<**h3** align=*"center"*>Note:Please enter details properly as the same will be visible to the Customers</**h3**>

<**h3**>

<**form** align=*"center"* action=*"AddFlight"* method=*"post"*>

Source:<**input** type=*"text"* name=*"source"*><**br**><**br**>

Destination:<**input** type=*"text"* name=*"destination"*><**br**><**br**>

Price:<**input** type=*"number"* name=*"price"*><**br**><**br**>

Time:<**input** type=*"text"* name=*"time"*><**br**><**br**>

Duration(in hrs):<**input** type=*"number"* name=*"duration"*><**br**><**br**>

<**input** type=*"submit"* name=*"add"* value=*"Add"*>

</**form**>

</**h3**>

</**body**>

</**html**>

Note:>>Above code will create a html page where admin can add flights.<<

///////////////////////////////////////////////////////////////////////////////////

* Code for Servlet AddFlight.java

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;

/\*\*

\* Servlet implementation class AddFlight

\*/

@WebServlet("/AddFlight")

public class AddFlight extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AddFlight() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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="Ayush@123";

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);

}

}

}

>>Above code will help you to add flight details in backend that is in SQL database<<

* code of FlightsServ.java

/////////////////////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class FlightsServ

\*/

@WebServlet("/FlightsServ")

public class FlightsServ extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public FlightsServ() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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);

}

}

* -> code of New Class Flights.java

/////////////////////////////////////////////////////////////////////////////////

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;

}

}

//////////////////////////////////////////////////////////////////////////////////

* Code of new class FlightsDB.java

////////////////////////////////////////////////////////////////////////////////

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="Ayush@123";

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;

}

}

/////////////////////////////////////////////////////////////////////////////////////

* code for show-flights.jsp >>

////////////////////////////////////////////////////////////////////////////////////

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

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

pageEncoding=*"UTF-8"*%>

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>Flights List</**title**>

</**head**>

<**body**>

<**h3** align=*"right"*><**a** href=*"1.html"*>Back</**a**></**h3**>

<**h1** align=*"center"*>Available Flights</**h1**>

<**table** border=*"1"* cellpadding=*"30%"* align=*"center"* bgcolor=*"skyblue"*>

<**tr**>

<**th**>FlightNumber</**th**>

<**th**>Source</**th**>

<**th**>Destination</**th**>

<**th**>Time</**th**>

<**th**>Duration</**th**>

<**th**>Price</**th**>

</**tr**>

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

<**tr**>

<**td**>${items.flightNumber}</**td**>

<**td**>${items.source}</**td**>

<**td**>${items.destination}</**td**>

<**td**>${items.time}</**td**>

<**td**>${items.duration}</**td**>

<**td**>${items.price}</**td**>

</**tr**>

</**c:forEach**>

</**table**>

<**br**><**br**>

<**h2** align=*"center"*>Please enter the flight you want to delete</**h2**>

<**h2**><**form** action=*"Delete"* method=*"post"* align=*"center"*>

Flight Number:<**input** type=*"number"* name=*"flightnos"*><**br**><**br**>

<**input** type=*"submit"* value=*"Delete"* name=*"delete"*>

</**form**></**h2**>

</**body**>

</**html**>

////////////////////////////////////////////////////////////////////////////////////////////

* code for Delete.java

////////////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class Delete

\*/

@WebServlet("/Delete")

public class Delete extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Delete() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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="Ayush@123";

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);

}

}

}

////////////////////////////////////////////////////////////////////////////////

/////////////////////////////////////////////////////////////////////////////////

>> Code of Book.java

//////////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class Book

\*/

@WebServlet("/Book")

public class Book extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Book() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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("booking.jsp");

dispatcher.forward(request, response);

}

}

>>Above code will collect all details from database about flights and forward it to booking.jsp<<

//////////////////////////////////////////////////////////////////////////////

* <<<Code for booking.jsp>>>

/////////////////////////////////////////////////////////////////////////////////////

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

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

pageEncoding=*"UTF-8"*%>

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>Flights List</**title**>

</**head**>

<**body**>

<**h3** align=*"right"*><**a** href=*"index.html"*>Back</**a**></**h3**>

<**h1** align=*"center"*>Available Flights</**h1**>

<**table** border=*"1"* cellpadding=*"30%"* align=*"center"* bgcolor=*"skyblue"*>

<**tr**>

<**th**>FlightNumber</**th**>

<**th**>Source</**th**>

<**th**>Destination</**th**>

<**th**>Time</**th**>

<**th**>Duration</**th**>

<**th**>Price</**th**>

</**tr**>

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

<**tr**>

<**td**>${items.flightNumber}</**td**>

<**td**>${items.source}</**td**>

<**td**>${items.destination}</**td**>

<**td**>${items.time}</**td**>

<**td**>${items.duration}</**td**>

<**td**>${items.price}</**td**>

</**tr**>

</**c:forEach**>

</**table**>

<**form** action=*"Payment"* method=*"post"* align=*"center"*>

Name:<**input** type=*"text"* name=*"name"*><**br**><**br**>

Phone:<**input** type=*"number"* name=*"phone"*><**br**><**br**>

Flight Number:<**input** type=*"number"* name=*"flight"*><**br**><**br**>

<**h3**>Please Provide Correct Flight Number to avoid further Discrepancies</**h3**>

<**input** type=*"submit"* value=*"Proceed to Payment"*>

</**form**>

</**body**>

</**html**>

////////////////////////////////////////////////////////////////////////////////////

* ->>code for Servlet Payment.java<<-

/////////////////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class Payment

\*/

@WebServlet("/Payment")

public class Payment extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Payment() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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");

}

}

/////////////////////////////////////////////////////////////////////////////////////////

* Code for Customer.java

/////////////////////////////////////////////////////////////////////////////

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 + "]";

}

}

///////////////////////////////////////////////////////////////

* code for payment.html

//////////////////////////////////////////////////////////////////////////////////////

<!**DOCTYPE** html>

<**html**>

<**head**>

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

<**title**>Payment</**title**>

</**head**>

<**body**>

<**h3** align=*"right"*><**a** href=*"booking.html"*>Back</**a**></**h3**>

<**br**><**br**><**br**><**br**><**br**>

<**h1** align=*"center"*>Payment Gateway</**h1**><**br**>

<**form** align=*"center"* action=*"PaySuccess"* method=*"post"*>

Card Number(12 Digits):<**input** type=*"number"* name=*"cardno"*><**br**>

Expiry Month:<**input** type=*"number"* name=*"month"*><**br**>

Expiry Year:<**input** type=*"number"* name=*"year"*><**br**>

CVV(3 Digits):<**input** type=*"number"* name=*"cvv"*><**br**>

Card Holder Name:<**input** type=*"text"* name=*"name1"*><**br**>

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

</**form**>

</**body**>

</**html**>

>>Above code will give you screen when you click on Proceed to Payment of booking.jsp<<

/////////////////////////////////////////////////////////////////////////////////////////////

Now we will create a filter to verify details entered in the Payment portal

* -> Code for Filter Validation.java

///////////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet Filter implementation class Validation

\*/

*@WebFilter*("/Validation")

public class Validation extends HttpFilter implements Filter {

/\*\*

\* **@see** HttpFilter#HttpFilter()

\*/

public Validation() {

super();

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

}

/\*\*

\* **@see** Filter#destroy()

\*/

public void destroy() {

// **TODO** Auto-generated method stub

}

/\*\*

\* **@see** Filter#doFilter(ServletRequest, ServletResponse, FilterChain)

\*/

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);

}

}

/\*\*

\* **@see** Filter#init(FilterConfig)

\*/

public void init(FilterConfig fConfig) throws ServletException {

// **TODO** Auto-generated method stub

}

}

///////////////////////////////////////////////////////////////////////////

* >>Now we need to configure our web.xml file so that our filter will work<<
* >>Code for web.xml<<

////////////////////////////////////////////////////////////////////////////////////

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

<**web-app** xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://xmlns.jcp.org/xml/ns/javaee"* xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd"* id=*"WebApp\_ID"* version=*"4.0"*>

<**display-name**>FlyAway</**display-name**>

<**welcome-file-list**>

<**welcome-file**>index.html</**welcome-file**>

<**welcome-file**>index.jsp</**welcome-file**>

<**welcome-file**>index.htm</**welcome-file**>

<**welcome-file**>default.html</**welcome-file**>

<**welcome-file**>default.jsp</**welcome-file**>

<**welcome-file**>default.htm</**welcome-file**>

</**welcome-file-list**>

<**filter**>

<**filter-name**>Validation</**filter-name**>

<**filter-class**>com.admin.Validation</**filter-class**>

</**filter**>

<**filter-mapping**>

<**filter-name**>Validation</**filter-name**>

<**url-pattern**>/PaySuccess</**url-pattern**>

</**filter-mapping**>

</**web-app**>

//////////////////////////////////////////////////////////////////

* >> code for servlet PaySuccess.java<<

/////////////////////////////////////////////////////////////////////////////////

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;

/\*\*

\* Servlet implementation class PaySuccess

\*/

@WebServlet("/PaySuccess")

public class PaySuccess extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public PaySuccess() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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="Ayush@123";

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);

}

}}

////////////////////////////////////////////////////////////////////////////////////