

ITIS 4166/5166-091, Spring 2014

Airline Reservation System

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TEAM WORK

Tasks covered in this project.

1. Implementing Banking Servlet and Update Booking History Servlet
2. Servlet coding.
3. Documentation

Banking Servlet and Update Booking History Servlet	Sanika Joshi	Nikhil Dahake
JSP page designing	Sanika Joshi	Nikhil Dahake
Linking of pages	Sanika Joshi	Nikhil Dahake
Documentation	Sanika Joshi	Nikhil Dahake

EASY TASKS

Using Ajax to implement the Banking Servlet application.

CHALLENGES

The following where the challenges in the project:
Transferring session data over to the Banking Servlet.

The challenge was being able to retrieve the session data and transfer it over to the Banking Servlet.

REQUEST DISPATCHER STEPS

1. Define beans to represent the data.

Defined the Travel Packages Bean.

2. Use a servlet to handle requests:

TravelPackages_Servlet is used to handle the request from the View_and_Book_page.jsp to the Travel_Packages.jsp.

3.☐ Populate the beans:

Populate the Travel Packages bean with the values for carorHotelId, travelPackageCostForCarPckg, travelPackageCostForHotelPckg.

4.☐ Store the bean in the request, session, or servlet context:

The bean has been stored in the request however we use session to save and use the value of the bean across the applications session.

5.☐ Forward the request to a JSP page.

Forward the request to the Travel_Packages.jsp page.

6.☐ Extract the data from the beans

In the ViewAndBook_Servlet retrieve the value from the bean getTravelPackageCostForHotelPckg, getTravelPackageCostForCarPckg to calculate the total cost of the travel package.

In this current implementation I have implemented MVC structure for both the banking application and the airline reservation application. I have not used request.getRequestDispatcher again in this new feature. The initial implementation of request.getRequestDispatcher remains as it was.

Persistence in Database:

No new persistence functionality was added to this assignment. It remains the same as HW3.

Extra Functionality

Implemented JQuery in the Transaction_Page.jsp pages.

Apache Commons library in order to check for SQL injections.

Extra Files:

Error.jsp

To display error if the specific car/hotel travel package does not exist for that specific destination.

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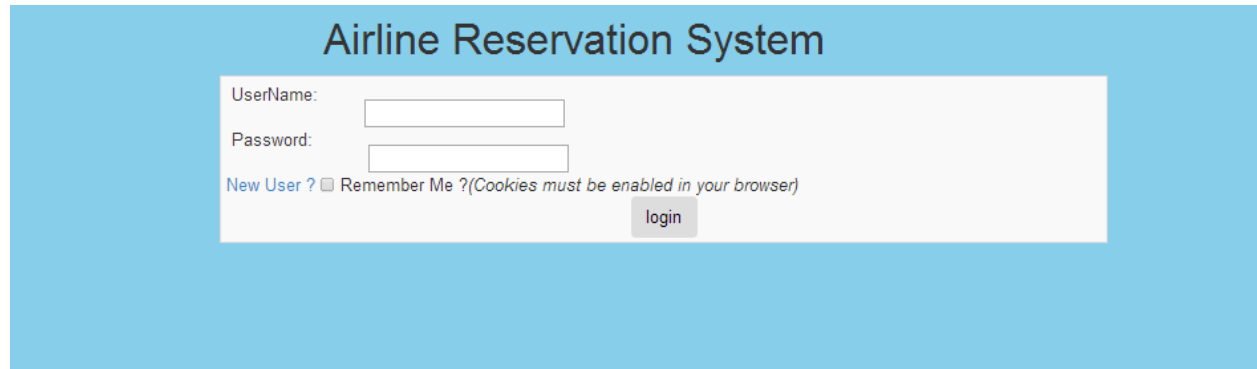
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Screen: Login Screen



The image shows a login screen for an "Airline Reservation System". The title is centered at the top in a large, bold, black font. Below the title is a light gray rectangular box containing the login form. The form has two input fields: "UserName:" and "Password:". Below these fields is a link "New User ?" in blue text, followed by a checkbox and the text "Remember Me ?(Cookies must be enabled in your browser)". At the bottom right of the form is a gray button labeled "login".

Airline Reservation System

UserName:

Password:

[New User ?](#) ☐ Remember Me ?(Cookies must be enabled in your browser)

This is the landing screen of our project. If the user has an account with the system, he can directly sign in. If he does not ,he can register as a new user. He can check on the Remember me check box to remember his username on the next login to the airline reservation system.

Error in Login Page:

Airline Reservation System

UserName:

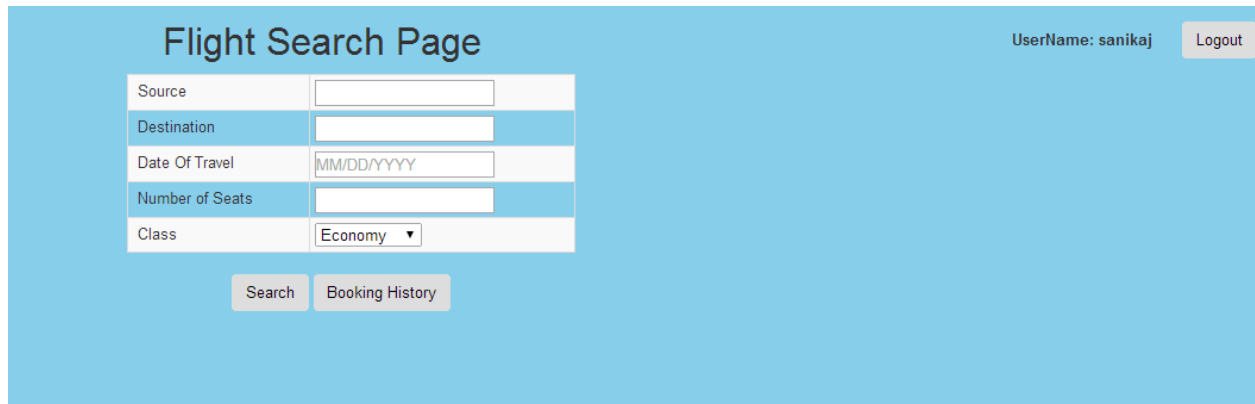
Password:

Please check your credentials or register as a new user!

New User ? ☐ Remember Me ?(Cookies must be enabled in your browser)

Success in the above login leads to the following page:

Screen: Flight Search Page



The screenshot shows a web application interface for a flight search. The page has a light blue background. At the top left, the title "Flight Search Page" is displayed in a bold, black font. In the top right corner, the text "UserName: sanikaj" is shown next to a "Logout" button. Below the title, there is a form with five input fields: "Source", "Destination", "Date Of Travel" (with a date picker icon and placeholder "MM/DD/YYYY"), "Number of Seats", and "Class" (with a dropdown menu showing "Economy"). Below the form, there are two buttons: "Search" and "Booking History".

Source	Destination	Date Of Travel	Number of Seats	Class
<input type="text"/>	<input type="text"/>	<input type="text" value="MM/DD/YYYY"/>	<input type="text"/>	<input type="text" value="Economy"/>

[Search](#) [Booking History](#)

Upon successful login, the user is taken to the Flight Search Page. Through this page, the user can search for flights to various destinations. There is a link to a booking history page which gives the booking history for the current user.

Screen: Flight Search Results Page

Flight Search Results Page!!									
UserName: sanikaj									Logout
Flight Number	Source	Destination	Flight Date	Departure Time	Arrival Time	Number of Stops	Operator	Cost	View and Book
4059246	Sydney	Charlotte	04/23/2014	11:11:13	1:10:13	3	VirginGalactic	213	View and Book
4329644	Sydney	Charlotte	04/23/2014	11:11:13	1:10:13	3	VirginGalactic	213	View and Book

[Back](#)

This page displays the result of the search query entered by the user on the Flight Search Page. There is a 'View and Book' button which allows the user to view the details of the flight and book it.

Screen: View and Book Screen

View & Book

UserName: sanikaj [Logout](#)

Flight Number	4059246
Departure	Sydney
Arrival	Charlotte
	Travel Packages
Date	04/23/2014
Departure Time	11:11:13
Arrival Time	1:10:13
No of Stops	3
Cost	213.0
Operator	VirginGalactic
No of Seats	<input type="text"/>

[Select And CheckOut](#) [Back](#) [Home](#) [Add More Flights](#)

This page allows the user to book flight tickets for the selected page. The Select button allows user to buy the tickets by taking him/her to the transaction page. The back button takes back to Flight Search Results Page. The Home button takes back to Flight Search Page. It includes a Travel Packages Link which leads to the Travel Packages Page where the User can enter new travel packages.

Screen:

Screen: Flight Search Result Page

Flight Search Results Page!!

UserName: sanikajLogout

Flight Number	Source	Destination	Flight Date	Departure Time	Arrival Time	Number of Stops	Operator	Cost	View and Book
Sorry No Flights Found!!									
Back									

If the user cannot find the required Flights in the flight search it comes up with the following message on the screen.

Screen: Travel Packages Page

The user can select the specific Travel Package of a Car and a Hotel and Add it to the cart. A separate cart has been implemented to handle the travel Packages.

Travel Packages

Destination Charlotte

UserName: sanikajLogout

Cars	Hotels
<ul style="list-style-type: none">Hertz \$12.0Honda \$12.0	<ul style="list-style-type: none">Taj Double \$260.0

AddBack

This page has been accessed 1 times!!

Screen: Transaction Page

This page display the transaction of the user along with the Users Checked out travel package.

SCREEN SHOT

Transaction Page

UserName: sanikaj Logout

Flight No.	Date	Departure Time	Arrival Time	Number of Stops	No Of seats booked	Total Cost
4059246	04/23/2014	11:11:13	1:10:13	3	2	426.0
4059246	04/23/2014	11:11:13	1:10:13	3	2	426.0
						Total Cost: \$ 852.0

Travel Packages

TajDouble260.0

Total Cost For Packages :260.0

Bank Account Info

Account Holder Name :

Account Number :

Routing Number :

Bank Number :

Confirm

Cancel

Home

This page allows the user to buy tickets. The details of the flight are displayed as well. The user can enter bank account details and buy the tickets. The cancel button takes the user back to Flight Search Query Page. The home button takes the user back to Flight Search Query Page.

Screen: Transaction Successful Page

This is the Transaction Confirmation Page. The home button takes back to Flight Search Query Page. This includes a form for each passenger. The user can print this by clicking on the print button.

Screen: Booking History Page

This page gives the booking history of the user. The home button takes back to the Flight Search Page.

Booking History Page

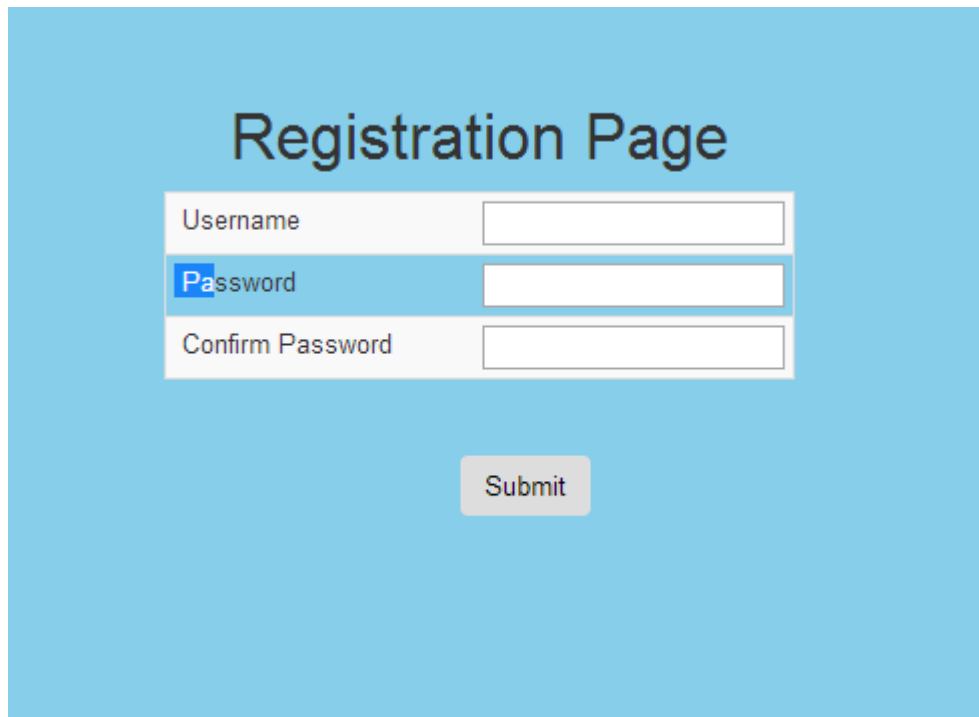
UserName: sanikaj

Logout

Booking ID	Flight ID	Date	Number Of Seats	Total Cost
1	QF232	2012/12/13	30	12
3	QF233	2012/12/12	12	2
4	574137	03/24/2014	2	426
5	574137	03/24/2014	2	426
6	574137	03/24/2014	2	426
6	574137	03/24/2014	2	426
6	574137	03/24/2014	2	426
7	574137	03/24/2014	12	2556
8	574137	03/24/2014	2	426
8	574137	03/24/2014	2	426
9	574137	03/24/2014	2	426
9	574137	03/24/2014	2	426
10	574137	03/24/2014	2	426
11	574137	03/24/2014	2	426
11	574137	03/24/2014	2	426
12	574137	03/24/2014	2	426
12	574137	03/24/2014	2	426
13	574137	03/24/2014	2	426
14	574137	03/24/2014	2	426
15	574137	03/24/2014	2	426
16	574137	03/24/2014	2	426
17	4635756	04/08/2014	2	426
18	574137	03/24/2014	2	426
19	4059246	04/23/2014	2	426
20	4329644	04/23/2014	2	426
21	4329644	04/23/2014	2	426
22	4059246	04/23/2014	2	426
23	4059246	04/23/2014	12	2556
24	4059246	04/23/2014	2	426
25	4059246	04/23/2014	2	426
26	4059246	04/23/2014	2	426
27	4059246	04/23/2014	2	426
28	4059246	04/23/2014	2	426
28	4059246	04/23/2014	2	426
29	4635756	04/08/2014	2	426
30	4059246	04/23/2014	2	426
31	4059246	04/23/2014	2	426
32	4059246	04/23/2014	2	426
33	4059246	04/23/2014	2	426
34	4059246	04/23/2014	2	426
35	4059246	04/23/2014	2	426
36	4059246	04/23/2014	2	426
37	4059246	04/23/2014	2	426
38	4059246	04/23/2014	2	426
39	4059246	04/23/2014	2	426
40	4059246	04/23/2014	2	426
41	4059246	04/23/2014	2	426
42	4059246	04/23/2014	2	426
43	4059246	04/23/2014	2	426
44	4329644	04/23/2014	2	426
44	4329644	04/23/2014	2	426
45	4059246	04/23/2014	3	639
45	4059246	04/23/2014	3	639
46	4059246	04/23/2014	2	426

Home

Screen: Registration Page

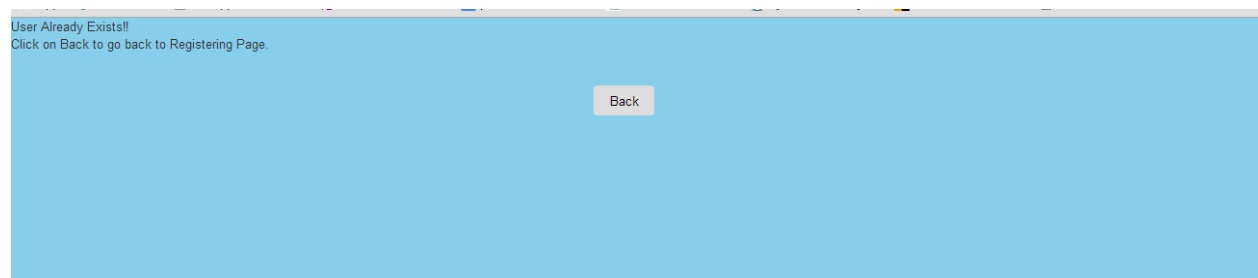


The image shows a registration form on a light blue background. The form is titled "Registration Page" in a large, bold, black font. Below the title, there are three input fields stacked vertically. The first field is labeled "Username" and is empty. The second field is labeled "Password" and is empty; the "P" in "Password" is highlighted with a blue square. The third field is labeled "Confirm Password" and is empty. Below these fields is a "Submit" button with a light gray background and a thin black border.

Registration Page	
Username	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>
<input type="submit" value="Submit"/>	

This is the registration page. New users can register here. Upon registration, users are taken to the login screen page.

User Already Exists:



PROGRAMMERS MANUAL

Class Accounts

- `java.lang.Object`
 - - `models.Accounts`

•

```
public class Accounts
extends java.lang.Object
```

- - Constructor Summary

Constructors

Constructor and Description

```
Accounts()

Accounts(int accountId, java.lang.String holder_name,
int routing_Number, java.lang.String bank_number, int balance)
```

- Method Summary

Methods

Modifier and Type	Method and Description
int	<u>getAccountId</u> ()
int	<u>getBalance</u> ()
java.lang.String	<u>getBank_Number</u> ()
java.lang.String	<u>getHolder_Name</u> ()
int	<u>getRouting_Number</u> ()
void	<u>setAccountId</u> (int accountId)
void	<u>setBalance</u> (int balance)
void	<u>setBank_Number</u> (java.lang.String bank_Number)
void	<u>setHolder_Name</u> (java.lang.String holder_Name)

void [setRouting_Number](#)(int routing_Number)

void [updateAccountForUser](#)(int account_id,
 java.lang.String holderName, float balance)

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait

-

- Constructor Detail

- [Accounts](#)

public Accounts()

- [Accounts](#)

- public Accounts(int accountId,
 java.lang.String holder_name,
 int routing_Number,
 java.lang.String bank_number,
 int balance)

- Method Detail

- [getAccountId](#)

public int getAccountId()

- [setAccountId](#)

public void setAccountId(int accountId)

- [getHolder_Name](#)

public java.lang.String getHolder_Name()

- [setHolder_Name](#)

public void setHolder_Name(java.lang.String holder_Name)

- [getRouting_Number](#)

public int getRouting_Number()

- [setRouting_Number](#)


```
public void setRouting_Number(int routing_Number)
```

- `getBank_Number`

```
public java.lang.String getBank_Number()
```

- `setBank_Number`

```
public void setBank_Number(java.lang.String bank_Number)
```

- `getBalance`

```
public int getBalance()
```

- `setBalance`

```
public void setBalance(int balance)
```

- `updateAccountForUser`

- ```
public void updateAccountForUser(int account_id,
```
- ```
                                java.lang.String holderName,
```
- ```
 float balance)
```

super\_airways

## Class AddFlightServlet

- java.lang.Object
  - - javax.servlet.GenericServlet
      - - javax.servlet.http.HttpServlet
          - - super\_airways.AddFlightServlet

- All Implemented Interfaces:  
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig
- 

```
public class AddFlightServlet
extends javax.servlet.http.HttpServlet
```

See Also:

### [Serialized Form](#)

- - [Constructor Summary](#)

#### Constructors

Constructor and Description

[AddFlightServlet\(\)](#) ( )

- [Method Summary](#)

#### Methods

| Modifier and Type | Method and Description                                                                                                                                           |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| protected void    | <a href="#"><u>doGet</u></a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)<br>Handles the HTTP GET method.   |
| protected void    | <a href="#"><u>doPost</u></a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)<br>Handles the HTTP POST method. |
| java.lang.String  | <a href="#"><u>getServletInfo</u></a> ()<br>Returns a short description of the servlet.                                                                          |
| protected         | <a href="#"><u>processRequest</u></a> ( javax.servlet.http.HttpServletRequest request,                                                                           |

```
void javax.servlet.http.HttpServletResponse response)
```

- **Methods inherited from class `javax.servlet.http.HttpServlet`**

```
doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service
```

- **Methods inherited from class `javax.servlet.GenericServlet`**

```
destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
init, log, log
```

- **Methods inherited from class `java.lang.Object`**

```
clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait
```

- 

- **Constructor Detail**

- **`AddFlightServlet`**

```
public AddFlightServlet()
```

- **Method Detail**

- **`processRequest`**

- `protected void processRequest(javax.servlet.http.HttpServletRe  
tRequest request,`
  - `javax.servlet.http.HttpServletResponse response)`
  - `throws`
  - `javax.servlet.ServletException,`
  - `java.io.IOException`

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

- **`doGet`**

- `protected void doGet(javax.servlet.http.HttpServletRequest  
request,`
  - `javax.servlet.http.HttpServletResponse response)`
  - `throws javax.servlet.ServletException,`
  - `java.io.IOException`

Handles the HTTP GET method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) throws javax.servlet.ServletException, java.io.IOException`

Handles the HTTP `POST` method.

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)
- `public java.lang.String getServletInfo()`

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

super\_airways

Class [AddTravelPackage\\_Servlet](#)

- `java.lang.Object`
  - - `javax.servlet.GenericServlet`
      - - `javax.servlet.http.HttpServlet`
          -

- `super_airways.AddTravelPackage_Servlet`
- All Implemented Interfaces:  
`java.io.Serializable`, `javax.servlet.Servlet`, `javax.servlet.ServletConfig`

---

```
public class AddTravelPackage_Servlet
extends javax.servlet.http.HttpServlet
```

See Also:

### [Serialized Form](#)

- - [Constructor Summary](#)

#### Constructors

#### Constructor and Description

[`AddTravelPackage\_Servlet\(\)`](#)

- [Method Summary](#)

#### Methods

#### Modifier and Type

#### Method and Description

|                   |                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| protected<br>void | <a href="#"><u><code>doGet</code></u></a> ( <code>javax.servlet.http.HttpServletRequest request</code> ,<br><code>javax.servlet.http.HttpServletResponse response</code> )<br><br>Handles the HTTP GET method.   |
| protected<br>void | <a href="#"><u><code>doPost</code></u></a> ( <code>javax.servlet.http.HttpServletRequest request</code><br>, <code>javax.servlet.http.HttpServletResponse response</code> )<br><br>Handles the HTTP POST method. |
| java.lang.String  | <a href="#"><u><code>generateCarHTMLString</code></u></a> ( <a href="#"><u><code>Car</code></u> car)         </a>                                                                                                |

java.lang.String [generateHotelHTMLString](#)([Hotel](#) hotel)

java.lang.String [generateHtmlStringForCart](#)( java.util.ArrayList<[Travel](#)  
[Packages](#)> cart)

java.lang.String [getServletInfo](#)()  
Returns a short description of the servlet.

[processRequest](#)( javax.servlet.http.HttpServletRequest  
request,  
javax.servlet.http.HttpServletResponse response)  
Processes requests for both HTTP GET and POST methods.

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

doDelete, doHead, doOptions, doPut, doTrace,  
getLastModified, service, service

- [Methods inherited from class javax.servlet.GenericServlet](#)

destroy, getInitParameter, getInitParameterNames,  
getServletConfig, getServletContext, getServletName, init,  
init, log, log

- [Methods inherited from class java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify,  
notifyAll, toString, wait, wait, wait

- 

- [Constructor Detail](#)

- [AddTravelPackage\\_Servlet](#)

public AddTravelPackage\_Servlet()

- [Method Detail](#)

- [processRequest](#)

- protected void processRequest( javax.servlet.http.HttpServlet  
Request request,

- 

javax.servlet.http.HttpServletResponse response)

- 

throws

javax.servlet.ServletException,

java.io.IOException

Processes requests for both HTTP `GET` and `POST` methods.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doGet](#)
- `protected void doGet(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP `GET` method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP `POST` method.

Overrides:



doPost in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)

```
public java.lang.String getServletInfo()
```

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

- [generateHtmlStringForCart](#)

```
public java.lang.String generateHtmlStringForCart(java.util.
 .ArrayList<TravelPackages> cart)
```

- [generateCarHTMLString](#)

```
public java.lang.String generateCarHTMLString(Car car)
```

- [generateHotelHTMLString](#)

```
public java.lang.String generateHotelHTMLString(Hotel hotel
)
```

super\_airways

## Class BookingHistory\_Servlet

- java.lang.Object
  - - javax.servlet.GenericServlet
      - - javax.servlet.http.HttpServlet
          - - super\_airways.BookingHistory\_Servlet
  - All Implemented Interfaces:  
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

---

```
public class BookingHistory_Servlet
extends javax.servlet.http.HttpServlet
```

See Also:

### [Serialized Form](#)

- - [Constructor Summary](#)

#### Constructors

Constructor and Description

[BookingHistory\\_Servlet\(\)](#)

- [Method Summary](#)

#### Methods

Modifier and Type

Method and Description

java.lang.String [convertBookingHistoryToString](#)( java.util.ArrayLis  
Builder t<[Bookings](#)> booking)

protected void [doGet](#)( javax.servlet.http.HttpServletRequest requ  
est,

```
javax.servlet.http.HttpServletResponse response)
```

Handles the HTTP GET method.

```
doPost(javax.servlet.http.HttpServletRequest req
uest,
protected void javax.servlet.http.HttpServletResponse response)
```

Handles the HTTP POST method.

```
getServletInfo()
java.lang.String
```

Returns a short description of the servlet.

```
processRequest(javax.servlet.http.HttpServletRequest request,
protected void javax.servlet.http.HttpServletResponse response)
```

Processes requests for both HTTP GET and POST methods.

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

```
doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service
```

- [Methods inherited from class javax.servlet.GenericServlet](#)

```
destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
init, log, log
```

- [Methods inherited from class java.lang.Object](#)

```
clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait
```

- 

- Constructor Detail

- [BookingHistory\\_Servlet](#)

```
public BookingHistory_Servlet()
```

- Method Detail

- [processRequest](#)

- protected void processRequest(javax.servlet.http.HttpServletRequest request,

- `javax.servlet.http.HttpServletResponse response)`
- `throws`  
`javax.servlet.ServletException,`  
`java.io.IOException`

Processes requests for both HTTP GET and POST methods.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doGet](#)
- `protected void doGet(javax.servlet.http.HttpServletRequest`  
`request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`  
`java.io.IOException`

Handles the HTTP GET method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest`  
`request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`

`java.io.IOException`

Handles the HTTP `POST` method.

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)

`public java.lang.String getServletInfo()`

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

- [convertBookingHistoryToString](#)

`public java.lang.StringBuilder convertBookingHistoryToString(  
java.util.ArrayList<Bookings> booking)`

models

# Class Bookings

- java.lang.Object
  - - models.Bookings

- ---

```
public class Bookings
extends java.lang.Object
```

- - Constructor Summary

## Constructors

### Constructor and Description

```
Bookings()

Bookings(java.lang.String niner_id, java.lang.String flight_id,
java.lang.String date_Of_Booking, int number_of_seats,
int account_id, int total_cost)
```

- Method Summary

## Methods

| Modifier and Type                                                   | Method and Description                |
|---------------------------------------------------------------------|---------------------------------------|
| int                                                                 | <a href="#">getAccount_id</a> ()      |
| int                                                                 | <a href="#">getBookingI</a> ()        |
| java.util.ArrayList< <a href="#">Boo</a><br><a href="#">kings</a> > | <a href="#">getBookings</a> ()        |
| java.lang.String                                                    | <a href="#">getDate_Of_Booking</a> () |
| java.lang.String                                                    | <a href="#">getFlight_id</a> ()       |

|                  |                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| int              | <a href="#"><u>getMaxBookingID()</u></a>                                                                                                                                                          |
| java.lang.String | <a href="#"><u>getNiner_id()</u></a>                                                                                                                                                              |
| int              | <a href="#"><u>getNumber_of_seats()</u></a>                                                                                                                                                       |
| int              | <a href="#"><u>getTotal_cost()</u></a>                                                                                                                                                            |
| void             | <a href="#"><u>insertBookingDetails</u></a> (java.lang.String nine<br>r_id, int bookingId, int accountId,<br>java.lang.String date,<br>java.lang.String flightId,<br>int numberOfSeats, int cost) |
| void             | <a href="#"><u>retrieveBookingDetails</u></a> (java.lang.String us<br>ername)                                                                                                                     |
| void             | <a href="#"><u>setAccount_id</u></a> (int account_id)                                                                                                                                             |
| void             | <a href="#"><u>setBookingI</u></a> (int bookingI)                                                                                                                                                 |
| void             | <a href="#"><u>setBookings</u></a> (java.util.ArrayList< <a href="#"><u>Bookings</u></a> ><br>bookings)                                                                                           |
| void             | <a href="#"><u>setDate_Of_Booking</u></a> (java.lang.String date_O<br>f_Booking)                                                                                                                  |
| void             | <a href="#"><u>setFlight_id</u></a> (java.lang.String flight_id)                                                                                                                                  |
| void             | <a href="#"><u>setNiner_id</u></a> (java.lang.String niner_id)                                                                                                                                    |
| void             | <a href="#"><u>setNumber_of_seats</u></a> (int number_of_seats)                                                                                                                                   |
| void             | <a href="#"><u>setTotal_cost</u></a> (int total_cost)                                                                                                                                             |

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify,  
notifyAll, toString, wait, wait, wait

- - Constructor Detail
    - [Bookings](#)

```
public Bookings()
```

- [Bookings](#)
- ```
public Bookings(java.lang.String niner_id,  
                java.lang.String flight_id,  
                java.lang.String date_Of_Booking,  
                int number_of_seats,  
                int account_id,  
                int total_cost)
```

- Method Detail

- [getBookingI](#)

```
public int getBookingI()
```

- [setBookingI](#)

```
public void setBookingI(int bookingI)
```

- [getNiner_id](#)

```
public java.lang.String getNiner_id()
```

- [setNiner_id](#)

```
public void setNiner_id(java.lang.String niner_id)
```

- [getFlight_id](#)

```
public java.lang.String getFlight_id()
```

- [setFlight_id](#)

```
public void setFlight_id(java.lang.String flight_id)
```

- [getDate_Of_Booking](#)

```
public java.lang.String getDate_Of_Booking()
```

- [setDate_Of_Booking](#)

```
public void setDate_Of_Booking(java.lang.String date_Of_Boo  
king)
```

- [getNumber_of_seats](#)

```
public int getNumber_of_seats()
```


- [setNumber_of_seats](#)

```
public void setNumber_of_seats(int number_of_seats)
```

- [getAccount_id](#)

```
public int getAccount_id()
```

- [setAccount_id](#)

```
public void setAccount_id(int account_id)
```

- [getTotal_cost](#)

```
public int getTotal_cost()
```

- [setTotal_cost](#)

```
public void setTotal_cost(int total_cost)
```

- [retrieveBookingDetails](#)

```
public void retrieveBookingDetails(java.lang.String username)
```

- [insertBookingDetails](#)

- ```
public void insertBookingDetails(java.lang.String niner_id,
```
- ```
                                int bookingId,
```
- ```
 int accountId,
```
- ```
                                java.lang.String date,
```
- ```
 java.lang.String flightId,
```
- ```
                                int numberOfSeats,
```
- ```
 int cost)
```

- [getBookings](#)

```
public java.util.ArrayList<Bookings> getBookings()
```

- [getMaxBookingID](#)

```
public int getMaxBookingID()
```

- [setBookings](#)

```
public void setBookings(java.util.ArrayList<Bookings> bookings)
```

models

## Class Car

- java.lang.Object
  - - models.Car

- ---

```
public class Car
extends java.lang.Object
```

- - Constructor Summary

### Constructors

#### Constructor and Description

[Car\(\)](#)

[Car](#)(java.lang.String car\_id, java.lang.String car\_rental\_company,  
java.lang.Float car\_cost)

- Method Summary

### Methods

#### Modifier and Type

#### Method and Description

float

[getCar\\_cost\(\)](#)

java.lang.String

[getCar\\_id\(\)](#)

java.lang.String

[getCar\\_rental\\_company\(\)](#)

java.util.ArrayLis  
t<[Car](#)>

[retrieveCars](#)(java.util.List car\_ids)

void

[setCar\\_cost](#)(float car\_cost)

void [setCar\\_id](#)(java.lang.String car\_id)

void [setCar\\_rental\\_company](#)(java.lang.String car\_rental\_company)

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- 

- Constructor Detail

- Car

- public Car()

- Car

- public Car(java.lang.String car\_id,  
java.lang.String car\_rental\_company,  
java.lang.Float car\_cost)

- Method Detail

- [getCar\\_id](#)

- public java.lang.String getCar\_id()

- [setCar\\_id](#)

- public void setCar\_id(java.lang.String car\_id)

- [getCar\\_rental\\_company](#)

- public java.lang.String getCar\_rental\_company()

- [setCar\\_rental\\_company](#)

- public void setCar\_rental\_company(java.lang.String car\_rental\_company)

- [getCar\\_cost](#)

- public float getCar\_cost()

- [setCar\\_cost](#)

- public void setCar\_cost(float car\_cost)

- [retrieveCars](#)

```
public java.util.ArrayList<Car> retrieveCars(java.util.List
car_ids)
```

models

## [Class Flight](#)

- java.lang.Object
  - - models.Flight

- ---

```
public class Flight
extends java.lang.Object
```

- - [Constructor Summary](#)

### Constructors

#### Constructor and Description

[Flight](#)()

```
Flight(int Flight_Number, java.lang.String Operator,
java.lang.String Flight_Source,
java.lang.String Flight_Destination,
java.lang.String Flight_Date, int Number_of_Seats,
java.lang.String Departure_Time, java.lang.String Arrival_Time,
int Number_of_Stops, int Cost)
```

- [Method Summary](#)

### Methods

#### Modifier and Type

#### Method and Description

|                                                         |                                                                                                                          |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| boolean                                                 | <a href="#"><u>checkFlights</u></a> (java.lang.String source,<br>java.lang.String destination,<br>java.lang.String date) |
| java.lang.String                                        | <a href="#"><u>getArrival_Time</u></a> ()                                                                                |
| int                                                     | <a href="#"><u>getCost</u></a> ()                                                                                        |
| java.lang.String                                        | <a href="#"><u>getDeparture_Time</u></a> ()                                                                              |
| java.lang.String                                        | <a href="#"><u>getFlight_Date</u></a> ()                                                                                 |
| java.lang.String                                        | <a href="#"><u>getFlight_Destination</u></a> ()                                                                          |
| int                                                     | <a href="#"><u>getFlight_Number</u></a> ()                                                                               |
| java.lang.String                                        | <a href="#"><u>getFlight_Source</u></a> ()                                                                               |
| void                                                    | <a href="#"><u>getFlightDetails</u></a> (java.lang.String flightName<br>)                                                |
| java.util.ArrayList<<br><a href="#"><u>Flight</u></a> > | <a href="#"><u>getFlightList</u></a> ()                                                                                  |
| int                                                     | <a href="#"><u>getNumber_of_Seats_Taken</u></a> ()                                                                       |
| int                                                     | <a href="#"><u>getNumber_of_Stops</u></a> ()                                                                             |
| int                                                     | <a href="#"><u>getNumber_of_Total_Seats</u></a> ()                                                                       |
| int                                                     | <a href="#"><u>getNumberOfAvailableSeats</u></a> ()                                                                      |
| java.lang.String                                        | <a href="#"><u>getOperator</u></a> ()                                                                                    |
| void                                                    | <a href="#"><u>setArrival_Time</u></a> (java.lang.String Arrival_Tim<br>e)                                               |
| void                                                    | <a href="#"><u>setCost</u></a> (int Cost)                                                                                |
| void                                                    | <a href="#"><u>setDeparture_Time</u></a> (java.lang.String Departure<br>_Time)                                           |
| void                                                    | <a href="#"><u>setFlight_Date</u></a> (java.lang.String Flight_Date)                                                     |

|      |                                                                                                    |
|------|----------------------------------------------------------------------------------------------------|
| void | <a href="#"><u>setFlight_Destination</u></a> (java.lang.String Flight_Destination)                 |
| void | <a href="#"><u>setFlight_Number</u></a> (int Flight_Number)                                        |
| void | <a href="#"><u>setFlight_Source</u></a> (java.lang.String Flight_Source)                           |
| void | <a href="#"><u>setIpList</u></a> (java.util.ArrayList< <a href="#"><u>Flight</u></a> > flightList) |
| void | <a href="#"><u>setNumber_of_Seats_Taken</u></a> (int Number_of_Seats_Taken)                        |
| void | <a href="#"><u>setNumber_of_Stops</u></a> (int Number_of_Stops)                                    |
| void | <a href="#"><u>setNumber_of_Total_Seats</u></a> (int Number_of_Total_Seats)                        |
| void | <a href="#"><u>setOperator</u></a> (java.lang.String Operator)                                     |
| void | <a href="#"><u>updateTakenSeats</u></a> (int flight_number, int seats_taken)                       |

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- - Constructor Detail

- [Flight](#)
  - public Flight(int Flight\_Number,
  - java.lang.String Operator,
  - java.lang.String Flight\_Source,
  - java.lang.String Flight\_Destination,
  - java.lang.String Flight\_Date,
  - int Number\_of\_Seats,
  - java.lang.String Departure\_Time,
  - java.lang.String Arrival\_Time,
  - int Number\_of\_Stops,
  - int Cost)
- [Flight](#)

```
public Flight()
```

- Method Detail

- `getFlight_Number`

```
public int getFlight_Number()
```

- `setFlight_Number`

```
public void setFlight_Number(int Flight_Number)
```

- `getOperator`

```
public java.lang.String getOperator()
```

- `setOperator`

```
public void setOperator(java.lang.String Operator)
```

- `getFlight_Source`

```
public java.lang.String getFlight_Source()
```

- `setFlight_Source`

```
public void setFlight_Source(java.lang.String Flight_Source
)
```

- `getFlight_Destination`

```
public java.lang.String getFlight_Destination()
```

- `setFlight_Destination`

```
public void setFlight_Destination(java.lang.String Flight_D
estination)
```

- `getFlight_Date`

```
public java.lang.String getFlight_Date()
```

- `setFlight_Date`

```
public void setFlight_Date(java.lang.String Flight_Date)
```

- `getNumber_of_Total_Seats`

```
public int getNumber_of_Total_Seats()
```

- `setNumber_of_Total_Seats`

```
public void setNumber_of_Total_Seats(int Number_of_Total_Seats)
```

- `getNumber_of_Seats_Taken`

```
public int getNumber_of_Seats_Taken()
```

- `setNumber_of_Seats_Taken`

```
public void setNumber_of_Seats_Taken(int Number_of_Seats_Taken)
```

- `getCost`

```
public int getCost()
```

- `setCost`

```
public void setCost(int Cost)
```

- `getNumber_of_Stops`

```
public int getNumber_of_Stops()
```

- `setNumber_of_Stops`

```
public void setNumber_of_Stops(int Number_of_Stops)
```

- `getDeparture_Time`

```
public java.lang.String getDeparture_Time()
```

- `setDeparture_Time`

```
public void setDeparture_Time(java.lang.String Departure_Time)
```

- `getArrival_Time`

```
public java.lang.String getArrival_Time()
```

- `setArrival_Time`

```
public void setArrival_Time(java.lang.String Arrival_Time)
```

- `getFlightList`



```
public java.util.ArrayList<Flight> getFlightList()
```

- [setIpList](#)

```
public void setIpList(java.util.ArrayList<Flight> flightList)
```

- [checkFlights](#)

- public boolean checkFlights(java.lang.String source,
- java.lang.String destination,
- java.lang.String date)

- [getFlightDetails](#)

```
public void getFlightDetails(java.lang.String flightName)
```

- [updateTakenSeats](#)

- public void updateTakenSeats(int flight\_number,
- int seats\_taken)

- [getNumberOfAvailableSeats](#)

```
public int getNumberOfAvailableSeats()
```

super\_airways

## Class FlightSearchQuery\_Servlet

- java.lang.Object
  - - javax.servlet.GenericServlet
      - - javax.servlet.http.HttpServlet
          - - super\_airways.FlightSearchQuery\_Servlet
  - All Implemented Interfaces:  
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

---

```
public class FlightSearchQuery_Servlet
```

extends `javax.servlet.http.HttpServlet`

See Also:

### [Serialized Form](#)

- - Constructor Summary

#### Constructors

#### Constructor and Description

[`FlightSearchQuery\_Servlet\(\)`](#)

- Method Summary

#### Methods

| Modifier and Type             | Method and Description                                                                                                                                                           |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| protected void                | <a href="#"><u><code>doGet</code></u></a> ( <code>javax.servlet.http.HttpServletRequest request</code> , <code>javax.servlet.http.HttpServletResponse response</code> )          |
| protected void                | <a href="#"><u><code>doPost</code></u></a> ( <code>javax.servlet.http.HttpServletRequest request</code> , <code>javax.servlet.http.HttpServletResponse response</code> )         |
| <code>java.lang.String</code> | <a href="#"><u><code>getServletInfo</code></u></a> ()                                                                                                                            |
| protected void                | <a href="#"><u><code>processRequest</code></u></a> ( <code>javax.servlet.http.HttpServletRequest request</code> , <code>javax.servlet.http.HttpServletResponse response</code> ) |

- Methods inherited from class `javax.servlet.http.HttpServlet`

`doDelete`, `doHead`, `doOptions`, `doPut`, `doTrace`,  
`getLastModified`, `service`, `service`

- Methods inherited from class `javax.servlet.GenericServlet`

destroy, getInitParameter, getInitParameterNames,  
getServletConfig, getServletContext, getServletName, init,  
init, log, log

- **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify,  
notifyAll, toString, wait, wait, wait

- 

- **Constructor Detail**

- **FlightSearchQuery\_Servlet**

```
public FlightSearchQuery_Servlet()
```

- **Method Detail**

- **processRequest**

- protected void processRequest(javax.servlet.http.HttpServletRe  
tRequest request,  
▪  
▪ javax.servlet.http.HttpServletResponse response)  
▪  
▪ throws  
▪ javax.servlet.ServletException,  
▪ java.io.IOException

Throws:

javax.servlet.ServletException

java.io.IOException

- **doGet**

- protected void doGet(javax.servlet.http.HttpServletRequest  
request,  
▪ javax.servlet.http.HttpServletResponse response)  
▪ throws javax.servlet.ServletException,  
▪ java.io.IOException

Overrides:

doGet in class javax.servlet.http.HttpServlet

Throws:

javax.servlet.ServletException

java.io.IOException

- **doPost**

- protected void doPost(javax.servlet.http.HttpServletRequest  
request,  
▪ javax.servlet.http.HttpServletResponse response)

- throws `javax.servlet.ServletException`,  
`java.io.IOException`

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

- [getServletInfo](#)

`public java.lang.String getServletInfo()`

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

super\_airways

## Class [FlightSearchResult\\_Servlet](#)

- `java.lang.Object`
  - - `javax.servlet.GenericServlet`
      - - `javax.servlet.http.HttpServlet`
          - - `super_airways.FlightSearchResult_Servlet`
  - All Implemented Interfaces:  
`java.io.Serializable`, `javax.servlet.Servlet`, `javax.servlet.ServletConfig`

---

```
public class FlightSearchResult_Servlet
extends javax.servlet.http.HttpServlet
```

See Also:

[Serialized Form](#)

- 
- Constructor Summary

### Constructors

#### Constructor and Description

[FlightSearchResult\\_Servlet\(\)](#)

- Method Summary

### Methods

| Modifier and Type | Method and Description                                                                                                                  |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| protected void    | <a href="#"><u>doGet</u></a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)          |
| protected void    | <a href="#"><u>doPost</u></a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)         |
| java.lang.String  | <a href="#"><u>getServletInfo</u></a> ()<br>Returns a short description of the servlet.                                                 |
| protected void    | <a href="#"><u>processRequest</u></a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) |

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

doDelete, doHead, doOptions, doPut, doTrace, getLastModified, service, service

- [Methods inherited from class javax.servlet.GenericServlet](#)

destroy, getInitParameter, getInitParameterNames, getServletConfig, getServletContext, getServletName, init, init, log, log

- [Methods inherited from class java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify,  
notifyAll, toString, wait, wait, wait

- 

- Constructor Detail

- [FlightSearchResult\\_Servlet](#)

- ```
public FlightSearchResult_Servlet()
```

- Method Detail

- [processRequest](#)

- protected void processRequest(javax.servlet.http.HttpServletRe
quest request,
▪ javax.servlet.http.HttpServletResponse response)
▪ throws
javax.servlet.ServletException,
java.io.IOException

Throws:

javax.servlet.ServletException

java.io.IOException

- [doGet](#)

- protected void doGet(javax.servlet.http.HttpServletRequest
request,
▪ javax.servlet.http.HttpServletResponse response)
▪ throws javax.servlet.ServletException,
java.io.IOException

Overrides:

doGet in class javax.servlet.http.HttpServlet

Throws:

javax.servlet.ServletException

java.io.IOException

- [doPost](#)

- protected void doPost(javax.servlet.http.HttpServletRequest
request,
▪ javax.servlet.http.HttpServletResponse response)
▪ throws javax.servlet.ServletException,
java.io.IOException

Overrides:

doPost in class javax.servlet.http.HttpServlet

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

▪ [getServletInfo](#)

```
public java.lang.String getServletInfo()
```

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

models

Class [Hotel](#)

- `java.lang.Object`
 - - `models.Hotel`

- ---

```
public class Hotel
extends java.lang.Object
```

- - [Constructor Summary](#)

Constructors

Constructor and Description

[Hotel](#)()

[Hotel](#)(java.lang.String hotel_id, java.lang.String hotel_name,
java.lang.String room_type, java.lang.Float room_cost)

o Method Summary

Methods	
Modifier and Type	Method and Description
java.lang.String	<u>getHotel_id</u> ()
java.lang.String	<u>getHotel_name</u> ()
java.lang.Float	<u>getRoom_cost</u> ()
java.lang.String	<u>getRoom_type</u> ()
java.util.ArrayList< <u>Hote</u> <u>l</u> >	<u>retrieveHotels</u> (java.util.List hotel_ids)
void	<u>setHotel_id</u> (java.lang.String hotel_id)
void	<u>setHotel_name</u> (java.lang.String hotel_name)
void	<u>setRoom_cost</u> (java.lang.Float room_cost)
void	<u>setRoom_type</u> (java.lang.String room_type)

▪ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait

- - o Constructor Detail
 - [Hotel](#)


```
public Hotel()
```

- [Hotel](#)
- `public Hotel(java.lang.String hotel_id,`
- `java.lang.String hotel_name,`
- `java.lang.String room_type,`
- `java.lang.Float room_cost)`

- Method Detail

- [getHotel_id](#)

```
public java.lang.String getHotel_id()
```

- [setHotel_id](#)

```
public void setHotel_id(java.lang.String hotel_id)
```

- [getHotel_name](#)

```
public java.lang.String getHotel_name()
```

- [setHotel_name](#)

```
public void setHotel_name(java.lang.String hotel_name)
```

- [getRoom_type](#)

```
public java.lang.String getRoom_type()
```

- [setRoom_type](#)

```
public void setRoom_type(java.lang.String room_type)
```

- [getRoom_cost](#)

```
public java.lang.Float getRoom_cost()
```

- [setRoom_cost](#)

```
public void setRoom_cost(java.lang.Float room_cost)
```

- [retrieveHotels](#)

```
public java.util.ArrayList<Hotel> retrieveHotels(java.util.  
List hotel_ids)
```

super_airways

Class LoginServlet

- java.lang.Object
 - - javax.servlet.GenericServlet
 - - javax.servlet.http.HttpServlet
 - - super_airways.LoginServlet
 - All Implemented Interfaces:
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

```
public class LoginServlet
extends javax.servlet.http.HttpServlet
See Also:
```

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[LoginServlet](#)()

- [Method Summary](#)

Methods

Modifier and Type

Method and Description

protected void	doGet (javax.servlet.http.HttpServletRequest request , javax.servlet.http.HttpServletResponse response)
-------------------	-----------------------------------------------------------------------------------------------------------------------------

```
protected      doPost( javax.servlet.http.HttpServletRequest request,
void           javax.servlet.http.HttpServletResponse response)
```

```
java.lang.String getServletInfo()
```

```
void           init( javax.servlet.ServletConfig config)
```

```
protected      processRequest( javax.servlet.http.HttpServletRequest request,
void           javax.servlet.http.HttpServletResponse response)
```

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

```
doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service
```

- [Methods inherited from class javax.servlet.GenericServlet](#)

```
destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
log, log
```

- [Methods inherited from class java.lang.Object](#)

```
clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait
```

-

- [Constructor Detail](#)

- [LoginServlet](#)

```
public LoginServlet()
```

- [Method Detail](#)

- [init](#)

- ```
public void init(javax.servlet.ServletConfig config)
 throws javax.servlet.ServletException
```

- Specified by:

[init](#) in interface `javax.servlet.Servlet`

Overrides:

[init](#) in class `javax.servlet.GenericServlet`

**Throws:**

javax.servlet.ServletException

- [processRequest](#)
- protected void processRequest(javax.servlet.http.HttpServletRequest request,
  - javax.servlet.http.HttpServletResponse response)
  - throws javax.servlet.ServletException, java.io.IOException

**Throws:**

javax.servlet.ServletException

java.io.IOException

- [doGet](#)
- protected void doGet(javax.servlet.http.HttpServletRequest request,
  - javax.servlet.http.HttpServletResponse response)
  - throws javax.servlet.ServletException, java.io.IOException

**Overrides:**

doGet in class javax.servlet.http.HttpServlet

**Throws:**

javax.servlet.ServletException

java.io.IOException

- [doPost](#)
- protected void doPost(javax.servlet.http.HttpServletRequest request,
  - javax.servlet.http.HttpServletResponse response)
  - throws javax.servlet.ServletException, java.io.IOException

**Overrides:**

doPost in class javax.servlet.http.HttpServlet

**Throws:**

javax.servlet.ServletException

java.io.IOException

- [getServletInfo](#)

```
public java.lang.String getServletInfo()
Specified by:
```

getServletInfo in interface `javax.servlet.Servlet`

Overrides:

getServletInfo in class `javax.servlet.GenericServlet`

super\_airways

## Class `LogOutServlet`

- `java.lang.Object`
  - - `javax.servlet.GenericServlet`
      - - `javax.servlet.http.HttpServlet`
          - - `super_airways.LogOutServlet`
  - All Implemented Interfaces:  
`java.io.Serializable`, `javax.servlet.Servlet`, `javax.servlet.ServletConfig`

---

```
public class LogOutServlet
extends javax.servlet.http.HttpServlet
See Also:
```

### [Serialized Form](#)

- - [Constructor Summary](#)

#### Constructors

#### Constructor and Description

## [LogOutServlet\(\)](#)

### o Method Summary

| Methods           |                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modifier and Type | Method and Description                                                                                                                                                                         |
| protected void    | <a href="#">doGet</a> ( javax.servlet.http.HttpServletRequest request , javax.servlet.http.HttpServletResponse response)<br><br>Handles the HTTP GET method.                                   |
| protected void    | <a href="#">doPost</a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)<br><br>Handles the HTTP POST method.                                  |
| java.lang.String  | <a href="#">getServletInfo</a> ()<br><br>Returns a short description of the servlet.                                                                                                           |
| protected void    | <a href="#">processRequest</a> ( javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)<br><br>Processes requests for both HTTP GET and POST methods. |

#### ▪ Methods inherited from class javax.servlet.http.HttpServlet

doDelete, doHead, doOptions, doPut, doTrace, getLastModified, service, service

#### ▪ Methods inherited from class javax.servlet.GenericServlet

destroy, getInitParameter, getInitParameterNames, getServletConfig, getServletContext, getServletName, init, init, log, log

#### ▪ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- 

- Constructor Detail

- [LogOutServlet](#)

```
public LogOutServlet()
```

- Method Detail

- [processRequest](#)

- `protected void processRequest(javax.servlet.http.HttpServletRequest request,`

- 

- `javax.servlet.http.HttpServletResponse response)`

- `throws`

- `javax.servlet.ServletException,`  
`java.io.IOException`

Processes requests for both HTTP GET and POST methods.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doGet](#)

- `protected void doGet(javax.servlet.http.HttpServletRequest request,`

- 

- `javax.servlet.http.HttpServletResponse response)`

- `throws javax.servlet.ServletException,`  
`java.io.IOException`

Handles the HTTP GET method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

#### Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP POST method.

#### Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

#### Parameters:

`request` - servlet request

`response` - servlet response

#### Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)
- `public java.lang.String getServletInfo()`

Returns a short description of the servlet.

#### Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

#### Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

#### Returns:

a String containing servlet description



super\_airways

## Class NavigationServlet

- java.lang.Object
  - - javax.servlet.GenericServlet
      - - javax.servlet.http.HttpServlet
          - - super\_airways.NavigationServlet
  - All Implemented Interfaces:  
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

---

```
public class NavigationServlet
extends javax.servlet.http.HttpServlet
See Also:
```

### [Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[NavigationServlet\(\)](#)

- [Method Summary](#)

Methods

Modifier and  
Type

Method and Description

```
protected doGet(javax.servlet.http.HttpServletRequest request
void , javax.servlet.http.HttpServletResponse response)
```

```
protected doPost(javax.servlet.http.HttpServletRequest request
void , javax.servlet.http.HttpServletResponse response)
```

```
java.lang.String getServletInfo()
```

```
protected processRequest(javax.servlet.http.HttpServletRequest request,
void javax.servlet.http.HttpServletResponse response)
```

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

```
doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service
```

- [Methods inherited from class javax.servlet.GenericServlet](#)

```
destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
init, log, log
```

- [Methods inherited from class java.lang.Object](#)

```
clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait
```

- 

- [Constructor Detail](#)

- [NavigationServlet](#)

```
public NavigationServlet()
```

- [Method Detail](#)

- [processRequest](#)

- protected void processRequest( javax.servlet.http.HttpServletRequest request,
    - 
    - javax.servlet.http.HttpServletResponse response)
    - throws
    - javax.servlet.ServletException,
    - java.io.IOException

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

- [doGet](#)
- `protected void doGet(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`  
`java.io.IOException`

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`  
`java.io.IOException`

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

- [getServletInfo](#)
- `public java.lang.String getServletInfo()`
- Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

`super_airways`

## Class PageAccessCountBean

- java.lang.Object
  - - super\_airways.PageAccessCountBean

- ---

```
public class PageAccessCountBean
extends java.lang.Object
```

- - Constructor Summary

### Constructors

Constructor and Description

[PageAccessCountBean\(\)](#)

- Method Summary

### Methods

Modifier and Type

Method and Description

int [getAccessCount\(\)](#)

java.lang.String [getFirstPage\(\)](#)

void [setAccessCountIncrement](#)(int increment)

void [setFirstPage](#)(java.lang.String firstPage)

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify,  
notifyAll, toString, wait, wait, wait

-

- Constructor Detail
  - [PageAccessCountBean](#)

```
public PageAccessCountBean()
```

- Method Detail
  - [getFirstPage](#)

```
public java.lang.String getFirstPage()
```

- [setFirstPage](#)

```
public void setFirstPage(java.lang.String firstPage)
```

- [getAccessCount](#)

```
public int getAccessCount()
```

- [setAccessCountIncrement](#)

```
public void setAccessCountIncrement(int increment)
```

super\_airways

## Class [Query\\_Database](#)

- java.lang.Object
  - - super\_airways.[Query\\_Database](#)
- ---

```
public class Query_Database
extends java.lang.Object
```

- - [Constructor Summary](#)

### Constructors

#### Constructor and Description

[Query\\_Database\(\)](#)

- Method Summary

| Methods            |                                                                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modifier and Type  | Method and Description                                                                                                                                                                                            |
| int                | <a href="#"><u>checkValueExists</u></a> (java.lang.String username, java.lang.String password)                                                                                                                    |
| void               | <a href="#"><u>closeConnection</u></a> ()                                                                                                                                                                         |
| java.sql.ResultSet | <a href="#"><u>execute</u></a> (java.lang.String SQL)                                                                                                                                                             |
| int                | <a href="#"><u>executeAnUpdate</u></a> (java.lang.String SQL)                                                                                                                                                     |
| void               | <a href="#"><u>insertFlightSearchIntoDB</u></a> (java.lang.String source, java.lang.String destination, java.lang.String date_of_travel, java.lang.String no_of_seats)                                            |
| int                | <a href="#"><u>insertInDatabase</u></a> (java.lang.String username, java.lang.String password)                                                                                                                    |
| java.lang.String   | <a href="#"><u>selectAllFlightsDestinationsFromDB</u></a> ()                                                                                                                                                      |
| java.lang.String   | <a href="#"><u>selectAllFlightsSourcesFromDB</u></a> ()                                                                                                                                                           |
| java.sql.ResultSet | <a href="#"><u>selectAllFlightsSrcAndDest</u></a> ()                                                                                                                                                              |
| java.lang.String   | <a href="#"><u>selectFlightsFromDB</u></a> (java.lang.String flightSource, java.lang.String flightDestination, java.lang.String dateOfTravel, java.lang.String numberOfSeats, java.lang.String[] classForAirline) |
| java.sql.ResultSet | <a href="#"><u>selectFlightsFromDBWithFlightNumber</u></a> (java.lang.String                                                                                                                                      |

```
ltSet g flightNumber)
```

```
void setConnection\(\)
```

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify,  
notifyAll, toString, wait, wait, wait

- 

- Constructor Detail

- [Query\\_Database](#)

```
public Query_Database()
```

- Method Detail

- [setConnection](#)

```
public void setConnection()
```

- [checkValueExists](#)

- public int checkValueExists(java.lang.String username,  
java.lang.String password)

- [selectAllFlightsSrcAndDest](#)

```
public java.sql.ResultSet selectAllFlightsSrcAndDest()
```

- [executeAnUpdate](#)

```
public int executeAnUpdate(java.lang.String SQL)
```

- [insertInDatabase](#)

- public int insertInDatabase(java.lang.String username,  
java.lang.String password)

- [execute](#)

```
public java.sql.ResultSet execute(java.lang.String SQL)
```

- [insertFlightSearchIntoDB](#)

- public void insertFlightSearchIntoDB(java.lang.String source,  
java.lang.String destination,  
java.lang.String date\_of\_travel,  
java.lang.String no\_of\_seats)

- `selectAllFlightsDestinationsFromDB`

```
public java.lang.String selectAllFlightsDestinationsFromDB()
)
```

- `selectAllFlightsSourcesFromDB`

```
public java.lang.String selectAllFlightsSourcesFromDB()
```

- `selectFlightsFromDB`

- ```
public java.lang.String selectFlightsFromDB(java.lang.String flightSource,  
▪  
▪ java.lang.String flightDestination,  
▪  
▪ java.lang.String dateOfTravel,  
▪  
▪ java.lang.String numberOfSeats,  
  
java.lang.String[] classForAirline)
```

- `selectFlightsFromDBWithFlightNumber`

```
public java.sql.ResultSet selectFlightsFromDBWithFlightNumber(java.lang.String flightNumber)
```

- `closeConnection`

```
public void closeConnection()
```


uper_airways

Class RegistrationPage_Servlet

- java.lang.Object
 - - javax.servlet.GenericServlet
 - - javax.servlet.http.HttpServlet
 - - super_airways.RegistrationPage_Servlet
 - All Implemented Interfaces:
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

```
public class RegistrationPage_Servlet
extends javax.servlet.http.HttpServlet
See Also:
```

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[RegistrationPage_Servlet](#)()

- [Method Summary](#)

Methods

Modifier and
Type

Method and Description

protected [doGet](#)(javax.servlet.http.HttpServletRequest request
void , javax.servlet.http.HttpServletResponse response)

protected [doPost](#)(javax.servlet.http.HttpServletRequest request,
void javax.servlet.http.HttpServletResponse response)

Handles the HTTP POST method.

java.lang.String [getServletInfo](#)()
Returns a short description of the servlet.

protected [processRequest](#)(javax.servlet.http.HttpServletRequest request,
void javax.servlet.http.HttpServletResponse response)

Processes requests for both HTTP GET and POST methods.

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service

- [Methods inherited from class javax.servlet.GenericServlet](#)

destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
init, log, log

- [Methods inherited from class java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait

-

- Constructor Detail

- [RegistrationPage_Servlet](#)

public RegistrationPage_Servlet()

- Method Detail

- [processRequest](#)

- protected void processRequest(javax.servlet.http.HttpServletRequest request,

- javax.servlet.http.HttpServletResponse response)

- throws
`javax.servlet.ServletException,`
`java.io.IOException`

Processes requests for both HTTP GET and POST methods.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doGet](#)
- `protected void doGet(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
`java.io.IOException`

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Throws:

`javax.servlet.ServletException`

`java.io.IOException`

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
`java.io.IOException`

Handles the HTTP POST method.

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

response - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)

```
public java.lang.String getServletInfo()
```

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

models

[Class SingleFlightTransaction](#)

- `java.lang.Object`
 - - `models.SingleFlightTransaction`
- All Implemented Interfaces:
`java.io.Serializable`

```
public class SingleFlightTransaction
extends java.lang.Object
implements java.io.Serializable
See Also:
```

[Serialized Form](#)

- Constructor Summary

Constructors

Constructor and Description

[SingleFlightTransaction\(\)](#)

- Method Summary

Methods

Modifier and Type

Method and Description

java.lang.String [getArrival_time\(\)](#)

java.lang.String [getDate\(\)](#)

java.lang.String [getDeparture_time\(\)](#)

int [getFlight_no\(\)](#)

int [getNoOfSeatsRequired\(\)](#)

int [getNumberOfStops\(\)](#)

float [getTotalCost\(\)](#)

java.lang.String [getTotalTravelPackageCost\(\)](#)

void [setArrival_time\(\)](#)(java.lang.String arrival_time)

void [setDate\(\)](#)(java.lang.String date)

void [setDeparture_time\(\)](#)(java.lang.String departure_time)

```

void          setFlight\_no(int flight_no)

void          setNoOfSeatsRequired(int noOfSeatsRequired)

void          setNumberOfStops(int numberOfStops)

void          setTotalCost(float totalCost)

void          setTotalTravelPackageCost(java.lang.String totalTravelPackageCost)

```

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

-

- Constructor Detail

- [SingleFlightTransaction](#)

```
public SingleFlightTransaction()
```

- Method Detail

- [getFlight_no](#)

```
public int getFlight_no()
```

- [setFlight_no](#)

```
public void setFlight_no(int flight_no)
```

- [getDate](#)

```
public java.lang.String getDate()
```

- [setDate](#)

```
public void setDate(java.lang.String date)
```

- [getDeparture_time](#)

```
public java.lang.String getDeparture_time()
```

- [setDeparture_time](#)

```
public void setDeparture_time(java.lang.String departure_time)
```

- [getArrival_time](#)

```
public java.lang.String getArrival_time()
```

- [setArrival_time](#)

```
public void setArrival_time(java.lang.String arrival_time)
```

- [getNumberOfStops](#)

```
public int getNumberOfStops()
```

- [setNumberOfStops](#)

```
public void setNumberOfStops(int numberOfStops)
```

- [getNoOfSeatsRequired](#)

```
public int getNoOfSeatsRequired()
```

- [setNoOfSeatsRequired](#)

```
public void setNoOfSeatsRequired(int noOfSeatsRequired)
```

- [getTotalCost](#)

```
public float getTotalCost()
```

- [setTotalCost](#)

```
public void setTotalCost(float totalCost)
```

- [getTotalTravelPackageCost](#)

```
public java.lang.String getTotalTravelPackageCost()
```

- [setTotalTravelPackageCost](#)

```
public void setTotalTravelPackageCost(java.lang.String totalTravelPackageCost)
```

models

Class Transactions

- java.lang.Object
 - - models.Transactions
- ---

```
public class Transactions
extends java.lang.Object
```

- - [Constructor Summary](#)

Constructors

Constructor and Description

```
Transactions()

Transactions(java.lang.String holderName,
java.lang.String routingNumber, java.lang.String balance)
```

- [Method Summary](#)

Methods

Modifier and Type	Method and Description
boolean	<u>checkTransactions</u> (int accountId, java.lang.String holderName, java.lang.String routingNumber)
int	<u>getAccount_id</u> ()


```

java.lang.String getBalance\(\)

java.lang.String getBank\_number\(\)

java.lang.String getHolder\_name\(\)

java.lang.String getRouting\_number\(\)

void setAccount\_id(int account_id)

void setBalance(java.lang.String balance)

void setBank\_number(java.lang.String bank_number)

void setHolder\_name(java.lang.String holder_name)

void setRouting\_number(java.lang.String routing_number
)

```

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

-

- Constructor Detail

- [Transactions](#)
- public Transactions(java.lang.String holderName, java.lang.String routingNumber, java.lang.String balance)

- [Transactions](#)

public Transactions()

- Method Detail

- [getAccount_id](#)
- public int getAccount_id()
- [setAccount_id](#)

```
public void setAccount_id(int account_id)
```

- `getHolder_name`

```
public java.lang.String getHolder_name()
```

- `setHolder_name`

```
public void setHolder_name(java.lang.String holder_name)
```

- `getRouting_number`

```
public java.lang.String getRouting_number()
```

- `setRouting_number`

```
public void setRouting_number(java.lang.String routing_number)
```

- `getBalance`

```
public java.lang.String getBalance()
```

- `setBalance`

```
public void setBalance(java.lang.String balance)
```

- `getBank_number`

```
public java.lang.String getBank_number()
```

- `setBank_number`

```
public void setBank_number(java.lang.String bank_number)
```

- `checkTransactions`

- ```
public boolean checkTransactions(int accountId,
```
- ```
                                java.lang.String holderName,
```
- ```
 java.lang.String routingNumber)
```

models

## Class `TravelPackages`

- `java.lang.Object`
    - - `models.TravelPackages`
  - All Implemented Interfaces:  
`java.io.Serializable`
- 

```
public class TravelPackages
extends java.lang.Object
implements java.io.Serializable
See Also:
```

### [Serialized Form](#)

- - [Constructor Summary](#)

#### Constructors

Constructor and Description

[`TravelPackages`](#)( )

- [Method Summary](#)

## Methods

| Modifier and Type                                                 | Method and Description                                                                                                                                             |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| java.lang.String                                                  | <a href="#"><u>getCar_idOrhotel_id()</u></a>                                                                                                                       |
| java.lang.String                                                  | <a href="#"><u>getDestination()</u></a>                                                                                                                            |
| void                                                              | <a href="#"><u>getTravelPack</u></a> (java.lang.String carorHotelId, java.lang.String travelPackageCostForCarPckg, java.lang.String travelPackageCostForHotelPckg) |
| java.lang.String                                                  | <a href="#"><u>getTravelPackageCostForCarPckg()</u></a>                                                                                                            |
| java.lang.String                                                  | <a href="#"><u>getTravelPackageCostForHotelPckg()</u></a>                                                                                                          |
| java.util.Map<java.lang.String, java.util.List<java.lang.String>> | <a href="#"><u>retrieveAllDeals</u></a> (java.lang.String destination)                                                                                             |
| void                                                              | <a href="#"><u>setCar_idOrhotel_id</u></a> (java.lang.String car_idOrhotel_id)                                                                                     |
| void                                                              | <a href="#"><u>setDestination</u></a> (java.lang.String destination)                                                                                               |
| void                                                              | <a href="#"><u>setTravelPackageCostForCarPckg</u></a> (java.lang.String travelPackageCostForCarPckg)                                                               |
| void                                                              | <a href="#"><u>setTravelPackageCostForHotelPckg</u></a> (java.lang.String travelPackageCostForHotelPckg)                                                           |

- [Methods inherited from class java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- 
- [Constructor Detail](#)

- [TravelPackages](#)

```
public TravelPackages()
```

- Method Detail

- [getDestination](#)

```
public java.lang.String getDestination()
```

- [setDestination](#)

```
public void setDestination(java.lang.String destination)
```

- [getTravelPack](#)

- ```
public void getTravelPack(java.lang.String carorHotelId,
```
 - ```
java.lang.String travelPackageCostForCarPckg,
```
  - ```
java.lang.String travelPackageCostForHotelPckg)
```

- [getCar_idOrhotel_id](#)

```
public java.lang.String getCar_idOrhotel_id()
```

- [setCar_idOrhotel_id](#)

```
public void setCar_idOrhotel_id(java.lang.String car_idOrhotel_id)
```

- [getTravelPackageCostForHotelPckg](#)

```
public java.lang.String getTravelPackageCostForHotelPckg()
```

- [setTravelPackageCostForHotelPckg](#)

```
public void setTravelPackageCostForHotelPckg(java.lang.String travelPackageCostForHotelPckg)
```

- [getTravelPackageCostForCarPckg](#)

```
public java.lang.String getTravelPackageCostForCarPckg()
```

- [setTravelPackageCostForCarPckg](#)

```
public void setTravelPackageCostForCarPckg(java.lang.String travelPackageCostForCarPckg)
```

- [retrieveAllDeals](#)

```
public java.util.Map<java.lang.String,java.util.List<java.l  
ang.String>> retrieveAllDeals(java.lang.String destination)  
Retrieve all the values of the Travel Package from the database.
```

super_airways

Class TravelPackages_Servlet

- java.lang.Object
 - - javax.servlet.GenericServlet
 - - javax.servlet.http.HttpServlet
 - - super_airways.TravelPackages_Servlet
 - All Implemented Interfaces:
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

```
public class TravelPackages_Servlet  
extends javax.servlet.http.HttpServlet
```

See Also:

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[TravelPackages_Servlet\(\)](#)

- Method Summary

Methods	
Modifier and Type	Method and Description
protected void	<code>doGet</code> (<code>javax.servlet.http.HttpServletRequest request</code> , <code>javax.servlet.http.HttpServletResponse response</code>) Handles the HTTP GET method.
protected void	<code>doPost</code> (<code>javax.servlet.http.HttpServletRequest request</code> , <code>javax.servlet.http.HttpServletResponse response</code>) Handles the HTTP POST method.
java.lang.String	<code>generateListOfCars</code> (<code>java.util.List<Car> cars</code>)
java.lang.String	<code>generateListOfHotels</code> (<code>java.util.List<Hotel> hotels</code>)
java.lang.String	<code>getServletInfo</code> () Returns a short description of the servlet.
protected void	<code>processRequest</code> (<code>javax.servlet.http.HttpServletRequest request</code> , <code>javax.servlet.http.HttpServletResponse response</code>) Processes requests for both HTTP GET and POST methods. This method generates a string of all the hotels and cars available in the database.

- Methods inherited from class `javax.servlet.http.HttpServlet`

`doDelete`, `doHead`, `doOptions`, `doPut`, `doTrace`,
`getLastModified`, `service`, `service`

- Methods inherited from class `javax.servlet.GenericServlet`

`destroy`, `getInitParameter`, `getInitParameterNames`,
`getServletConfig`, `getServletContext`, `getServletName`, `init`,
`init`, `log`, `log`

- [Methods inherited from class java.lang.Object](#)

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

-

- Constructor Detail

- [TravelPackages_Servlet](#)

```
public TravelPackages_Servlet()
```

- Method Detail

- [processRequest](#)

- `protected void processRequest(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws`
- `javax.servlet.ServletException,`
- `java.io.IOException`

Processes requests for both HTTP GET and POST methods.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [generateListOfCars](#)

```
public java.lang.String generateListOfCars(java.util.List<Car> cars)
```

- [generateListOfHotels](#)

```
public java.lang.String generateListOfHotels(java.util.List<Hotel> hotels)
```

- [doGet](#)

- `protected void doGet(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`

- throws javax.servlet.ServletException,
java.io.IOException

Handles the HTTP GET method.

Overrides:

doGet in class javax.servlet.http.HttpServlet

Parameters:

request - servlet request

response - servlet response

Throws:

javax.servlet.ServletException - if a servlet-specific error occurs

java.io.IOException - if an I/O error occurs

- [doPost](#)
- protected void doPost(javax.servlet.http.HttpServletRequest request,
javax.servlet.http.HttpServletResponse response)
- throws javax.servlet.ServletException,
java.io.IOException

Handles the HTTP POST method.

Overrides:

doPost in class javax.servlet.http.HttpServlet

Parameters:

request - servlet request

response - servlet response

Throws:

javax.servlet.ServletException - if a servlet-specific error occurs

java.io.IOException - if an I/O error occurs

- [getServletInfo](#)
- public java.lang.String getServletInfo()

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

models

Class User

- `java.lang.Object`
 - - `models.User`
- All Implemented Interfaces:
`java.io.Serializable`

```
public class User
extends java.lang.Object
implements java.io.Serializable
```

See Also:

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[User](#)()

[User](#)(java.lang.String username, java.lang.String password)

- Method Summary

Methods

Modifier and Type	Method and Description
boolean	<u>findUser</u> (java.lang.String username, java.lang.String password)
java.lang.String	<u>getPassword</u> ()
java.lang.String	<u>getProperties</u> (java.lang.String value)
java.lang.String	<u>getUserName</u> ()
boolean	<u>isValid</u> ()
void	<u>setIsValid</u> (boolean isValid)
void	<u>setPassword</u> (java.lang.String password)
void	<u>setProperties</u> (java.lang.String username, java.lang.String password)
void	<u>setUserName</u> (java.lang.String username)

- Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- Constructor Detail

- [User](#)

public User()

- [User](#)

- `public User(java.lang.String username,
java.lang.String password)`

- Method Detail

- `getUserName`

- `public java.lang.String getUserName()`

- `setUserName`

- `public void setUserName(java.lang.String username)`

- `getPassword`

- `public java.lang.String getPassword()`

- `setPassword`

- `public void setPassword(java.lang.String password)`

- `setProperties`

- `public void setProperties(java.lang.String username,
java.lang.String password)`

- `getProperties`

- `public java.lang.String getProperties(java.lang.String value)`

- `findUser`

- `public boolean findUser(java.lang.String username,
java.lang.String password)`

- `setIsValid`

- `public void setIsValid(boolean isValid)`

- `isValid`

- `public boolean isValid()`

super_airways

Class `UserValidation_Ajax`

- `java.lang.Object`

Handles the HTTP POST method.

java.lang.String [getServletInfo\(\)](#)

Returns a short description of the servlet.

[processRequest](#)(javax.servlet.http.HttpServletRequest request,
protected void javax.servlet.http.HttpServletResponse response)

This method checks the database to find the user based on the input username and password.

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service

- [Methods inherited from class javax.servlet.GenericServlet](#)

destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
init, log, log

- [Methods inherited from class java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait

-

- [Constructor Detail](#)

- [UserValidation_Ajax](#)

public UserValidation_Ajax()

- [Method Detail](#)

- [processRequest](#)

- protected void processRequest(javax.servlet.http.HttpServletRequest request,

-

javax.servlet.http.HttpServletResponse response)

-

throws

javax.servlet.ServletException,

java.io.IOException

Throws:

javax.servlet.ServletException

`java.io.IOException`

- `doGet`
- `protected void doGet(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP GET method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- `doPost`
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP POST method.

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)

```
public java.lang.String getServletInfo()
```

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

super_airways

Class [ViewAndBook_Servlet](#)

- `java.lang.Object`
 - - `javax.servlet.GenericServlet`
 - - `javax.servlet.http.HttpServlet`
 - - `super_airways.ViewAndBook_Servlet`
 - All Implemented Interfaces:
`java.io.Serializable`, `javax.servlet.Servlet`, `javax.servlet.ServletConfig`

```
public class ViewAndBook_Servlet
extends javax.servlet.http.HttpServlet
See Also:
```

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[ViewAndBook_Servlet\(\)](#)

o Method Summary

Methods

Modifier and Type	Method and Description
protected void	<u>doGet</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)
protected void	<u>doPost</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)
java.lang.String	<u>getServletInfo</u> ()
protected void	<u>processRequest</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)

- [Methods inherited from class javax.servlet.http.HttpServlet](#)

doDelete, doHead, doOptions, doPut, doTrace, getLastModified, service, service

- [Methods inherited from class javax.servlet.GenericServlet](#)

destroy, getInitParameter, getInitParameterNames, getServletConfig, getServletContext, getServletName, init, init, log, log

- [Methods inherited from class java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

•

- Constructor Detail

- [ViewAndBook_Servlet](#)

```
public ViewAndBook_Servlet()
```

- Method Detail

- [processRequest](#)

- protected void processRequest(javax.servlet.http.HttpServletRequest request,
 - javax.servlet.http.HttpServletResponse response)
 - throws javax.servlet.ServletException, java.io.IOException

Throws:

javax.servlet.ServletException

java.io.IOException

Find the total cost of the travel packages and the flights information.

- [doGet](#)

- protected void doGet(javax.servlet.http.HttpServletRequest request,
 - javax.servlet.http.HttpServletResponse response)
 - throws javax.servlet.ServletException, java.io.IOException

Overrides:

doGet in class javax.servlet.http.HttpServlet

Throws:

javax.servlet.ServletException

java.io.IOException

- [doPost](#)

- protected void doPost(javax.servlet.http.HttpServletRequest request,
 - javax.servlet.http.HttpServletResponse response)
 - throws javax.servlet.ServletException, java.io.IOException

Overrides:

doPost in class javax.servlet.http.HttpServlet

Throws:

javax.servlet.ServletException

`java.io.IOException`

- [getServletInfo](#)

```
public java.lang.String getServletInfo()  
Specified by:
```

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Banking Servlet

`super_airways`

[Class Banking_Servlet](#)

- `java.lang.Object`
 - - `javax.servlet.GenericServlet`
 - - `javax.servlet.http.HttpServlet`
 - - `super_airways.Banking_Servlet`
 - All Implemented Interfaces:
`java.io.Serializable`, `javax.servlet.Servlet`, `javax.servlet.ServletConfig`

```
public class Banking_Servlet  
extends javax.servlet.http.HttpServlet  
See Also:
```

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[Banking_Servlet\(\)](#)

o Method Summary

Methods

Modifier and Type	Method and Description
protected void	<u>doGet</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) Handles the HTTP GET method.
protected void	<u>doPost</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) Handles the HTTP POST method.
java.lang.String	<u>getServletInfo</u> () Returns a short description of the servlet.
protected void	<u>processRequest</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) Processes requests for both HTTP GET and POST methods.

▪ Methods inherited from class javax.servlet.http.HttpServlet

doDelete, doHead, doOptions, doPut, doTrace,
getLastModified, service, service

▪ Methods inherited from class javax.servlet.GenericServlet

destroy, getInitParameter, getInitParameterNames,
getServletConfig, getServletContext, getServletName, init,
init, log, log

- [Methods inherited from class java.lang.Object](#)

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

-

- [Constructor Detail](#)

- [Banking_Servlet](#)

```
public Banking_Servlet()
```

- [Method Detail](#)

- [processRequest](#)

- `protected void processRequest(javax.servlet.http.HttpServletRequest request,`
 - `javax.servlet.http.HttpServletResponse response)`
 - `throws`
 - `javax.servlet.ServletException,`
 - `java.io.IOException`

Processes requests for both HTTP GET and POST methods. Deducts the banking amount from the users bank account if the transaction is successful.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doGet](#)

- `protected void doGet(javax.servlet.http.HttpServletRequest request,`
 - `javax.servlet.http.HttpServletResponse response)`
 - `throws javax.servlet.ServletException,`
 - `java.io.IOException`

Handles the HTTP GET method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

request - servlet request

response - servlet response

Throws:

javax.servlet.ServletException - if a servlet-specific error occurs

java.io.IOException - if an I/O error occurs

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP POST method.

Overrides:

doPost in class javax.servlet.http.HttpServlet

Parameters:

request - servlet request

response - servlet response

Throws:

javax.servlet.ServletException - if a servlet-specific error occurs

java.io.IOException - if an I/O error occurs

- [getServletInfo](#)
- `public java.lang.String getServletInfo()`

Returns a short description of the servlet.

Specified by:

getServletInfo in interface javax.servlet.Servlet

Overrides:

getServletInfo in class javax.servlet.GenericServlet

Returns:

a String containing servlet description

Update Booking History Servlet

super_airways

Class UpdateBooking_Servlet

- java.lang.Object
 - - javax.servlet.GenericServlet
 - - javax.servlet.http.HttpServlet
 - - super_airways.UpdateBooking_Servlet
 - All Implemented Interfaces:
java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig

```
public class UpdateBooking_Servlet  
extends javax.servlet.http.HttpServlet
```

See Also:

[Serialized Form](#)

- - [Constructor Summary](#)

Constructors

Constructor and Description

[UpdateBooking_Servlet\(\)](#)

o Method Summary

Methods	
Modifier and Type	Method and Description
protected void	<u>doGet</u> (javax.servlet.http.HttpServletRequest request , javax.servlet.http.HttpServletResponse response) Handles the HTTP GET method.
protected void	<u>doPost</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) Handles the HTTP POST method.
java.lang.String	<u>getServletInfo</u> () Returns a short description of the servlet.
protected void	<u>processRequest</u> (javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response) Processes requests for both HTTP GET and POST methods.

▪ Methods inherited from class javax.servlet.http.HttpServlet

doDelete, doHead, doOptions, doPut, doTrace, getLastModified, service, service

▪ Methods inherited from class javax.servlet.GenericServlet

destroy, getInitParameter, getInitParameterNames, getServletConfig, getServletContext, getServletName, init, init, log, log

▪ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

-

- Constructor Detail

- [UpdateBooking_Servlet](#)

```
public UpdateBooking_Servlet()
```

- Method Detail

- [processRequest](#)

- `protected void processRequest(javax.servlet.http.HttpServletRequest request,`

-

- `javax.servlet.http.HttpServletResponse response)`

- `throws`

- `javax.servlet.ServletException,`
`java.io.IOException`

Processes requests for both HTTP GET and POST methods. Update the booking history of the user.

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doGet](#)

- `protected void doGet(javax.servlet.http.HttpServletRequest request,`

-

- `javax.servlet.http.HttpServletResponse response)`

- `throws javax.servlet.ServletException,`
`java.io.IOException`

Handles the HTTP GET method.

Overrides:

`doGet` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [doPost](#)
- `protected void doPost(javax.servlet.http.HttpServletRequest request,`
- `javax.servlet.http.HttpServletResponse response)`
- `throws javax.servlet.ServletException,`
- `java.io.IOException`

Handles the HTTP POST method.

Overrides:

`doPost` in class `javax.servlet.http.HttpServlet`

Parameters:

`request` - servlet request

`response` - servlet response

Throws:

`javax.servlet.ServletException` - if a servlet-specific error occurs

`java.io.IOException` - if an I/O error occurs

- [getServletInfo](#)
- `public java.lang.String getServletInfo()`

Returns a short description of the servlet.

Specified by:

`getServletInfo` in interface `javax.servlet.Servlet`

Overrides:

`getServletInfo` in class `javax.servlet.GenericServlet`

Returns:

a String containing servlet description

