**FlyAway (An Airline Booking Portal)Developed By Surekha Jagtap**

FlyAwayapplication is used for booking and schedule Airline. This application provide help for the user to book their flight tickets without visiting booking counter or to any other booking vendors. It has a back-office application with a single administrator login.

Project is divided into 3 Sprints each of 3 week.

**1st Sprint:-**

* Created Admin Login Form with single user name As admin and Password as admin
* Added Session Management feature.
* Created Home page which holds the admin login and change password.
* Created Servlet Controller which handles all request
* Created Database design.
* Established Database connection through application

**2nd Sprint:-**

* A search form in the homepage to allowed entry of travel details, like the date of travel, source, destination, and the number of persons.
* Based on the travel details entered, it will show the available flights with their ticket prices.
* Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details. In the next page, they are shown the flight details of the flight that they are booking, and the payment is done via a dummy payment gateway. On completion of the payment, they are shown a confirmation page with the details of the booking.

**3rd Sprint:-**

* A master list of places for source and destination
* A master list of airlines
* A list of flights where each flight has a source, destination, airline, and ticket price

**Methods and Operation’s:-**

We have 6 operations that user can perform.

* Admin Login, Change Password
* Add Places, Airlines
* Schedule Flight.
* Book Flight
* Payment for selected flight
* Booking Confirmation

**Core concepts**

The Whole Application is based on Hibernate, Jsp ,Java, Servlets ,MySql database. For Login/Logout I have used Jsp as view and Servlet as controller that handles the operation of Login/Logout.

I have created the MYSQL connection through hibernate.properties file which establishes the connection between database and the eclipse editor.

I have created Servlets for operations like Inserting data into the database & retrieving data from database and also displaying with the corresponding files.

I have created a Home Page which holds the address of adding displaying the details of Airlines and admin.

* Search Screen is used to search flight on particular day with selected root.
* Displayed available flights on selected criteria.
* Can be booked flight as per user need.
* Make payment for selected flight booking.
* Lastly Booking Confirmation Done

**Application Flow**

1. **Home screen.**

Graphical user interface, application, Word

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2.Click on Admin login.

Graphical user interface, text, application

Description automatically generated

3.Login successful.

Graphical user interface, application

Description automatically generated

4.If Login Fails

A screenshot of a computer

Description automatically generated

5.Change password

Graphical user interface, text, application

Description automatically generated

6.Change password success

Graphical user interface, text

Description automatically generated

7.If Fails

Graphical user interface, text

Description automatically generated

8.Admin>Add places vs Add Airlines

Graphical user interface

Description automatically generated with low confidence

9. Add airlines by textbox dynamically

Graphical user interface

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10. View city and Airlines details

Graphical user interface

Description automatically generated with low confidence

11.Admin>Schedule Flight

Graphical user interface

Description automatically generated

12.View Scheduled Files

Graphical user interface

Description automatically generated with medium confidence

1.End User Flow>Search for flight(select source , destination, date, No of Bookings)

Graphical user interface, application, Word

Description automatically generated

2.End User>Show available flights.

Graphical user interface, application

Description automatically generated

3.End User>Book flight (Select seat no and fill personal details )

Timeline

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4.Proceed to Payment

Graphical user interface, application

Description automatically generated

5.After Payment accomplishment -Booking Confirmation

Graphical user interface, text, application

Description automatically generated

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