

Fly Away

(An Airline Booking Portal)

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Fly Away (An Airline Booking Portal)

1. Project and Developer Details

Project Objective ->

- As a Full Stack Developer, design and develop an airline booking portal named as Fly Away. Use the GitHub repository to manage the project artifacts.

Application Features ->

- After running of application on server, User/Admin will be redirected to Home Page.
 - On Home Page, there are two options either login as User or Admin.
- A. If logged in as **User** – User can search for flights
- Fill the criteria for search of flight and submit.
 - List of all available flights matching your criteria will be displayed.
 - User can click on book now to book his seat for that flight.
 - If payment is success and booking is done, user will get success message with his flight id.
 - Else user will get booking failure message.
- B. If logged in as **Admin** – Admin can search flights and add new flights.
- I. Search Flight
- a. Fill the criteria for search of flight and submit.
 - b. List of all available flights matching your criteria will be displayed.
 - c. Admin can click on book now to book his seat for that flight or he can click on delete flight to delete that flight from database.
 - d. In case of booking, if payment is success and booking is done, admin will get success message with his flight id.
 - e. Else admin will get booking failure message.
- II. Add New Flight
- a. Admin has to fill all the required details of the new flight.
 - b. On clicking of submit, flight will be added to database.
- III. View All Available Flights
- a. Admin can click on View All Available Flights link on Home page and all the available flights will be displayed.
- IV. Delete Flights
- a. Admin can delete flights by checking on View all available flights and selecting delete option for respective flight.

Fly Away (An Airline Booking Portal)

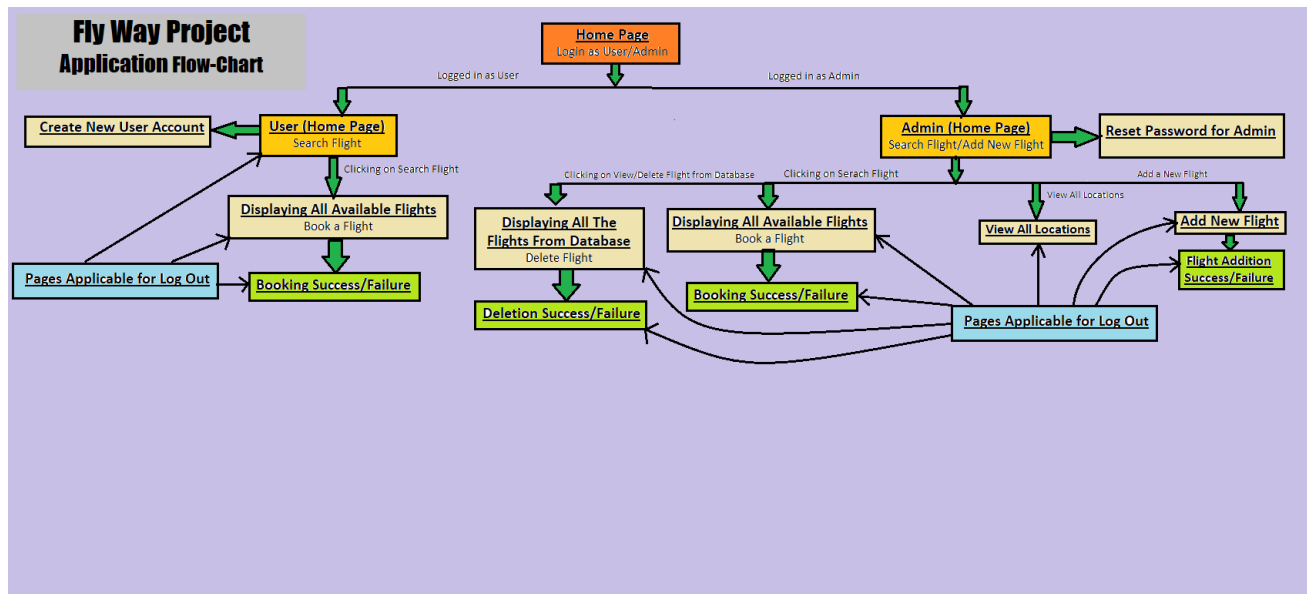
Developer Details ->

- i. **Name** : Shreyash Vijay Pawar
- ii. **Designation** : Developer
- iii. **IDE used** : Eclipse & VS Code
- iv. **Server Used** : Tomcat
- v. **Database Used** : SQL (Oracle)
- vi. **Framework for DB Connection** : Hibernate 5.4

2. Sprints Planned and the Tasks Achieved in them

Sprint	Task	Developer	Estimated Time (Hrs)	Actual Time (Hrs)	Remaining Time (Hrs)	Status
#1	Analysis Finished	Shreyash	1	1	0	Complete
	UI for Application	Shreyash	3	3	0	Complete
	Login/Log Out Functionality	Shreyash	3	3	0	Complete
	Create New User/Password Reset	Shreyash	3	3	0	Complete
#2	Search Flight & Flight Booking	Shreyash	3	3	0	Complete
	Add Flight & Delete Flight	Shreyash	3	3	0	Complete
	View All Locations & Session Management	Shreyash	2	2	0	Complete
	Documentation	Shreyash	2	2	0	Complete

3. Algorithms and Flowcharts of the Application



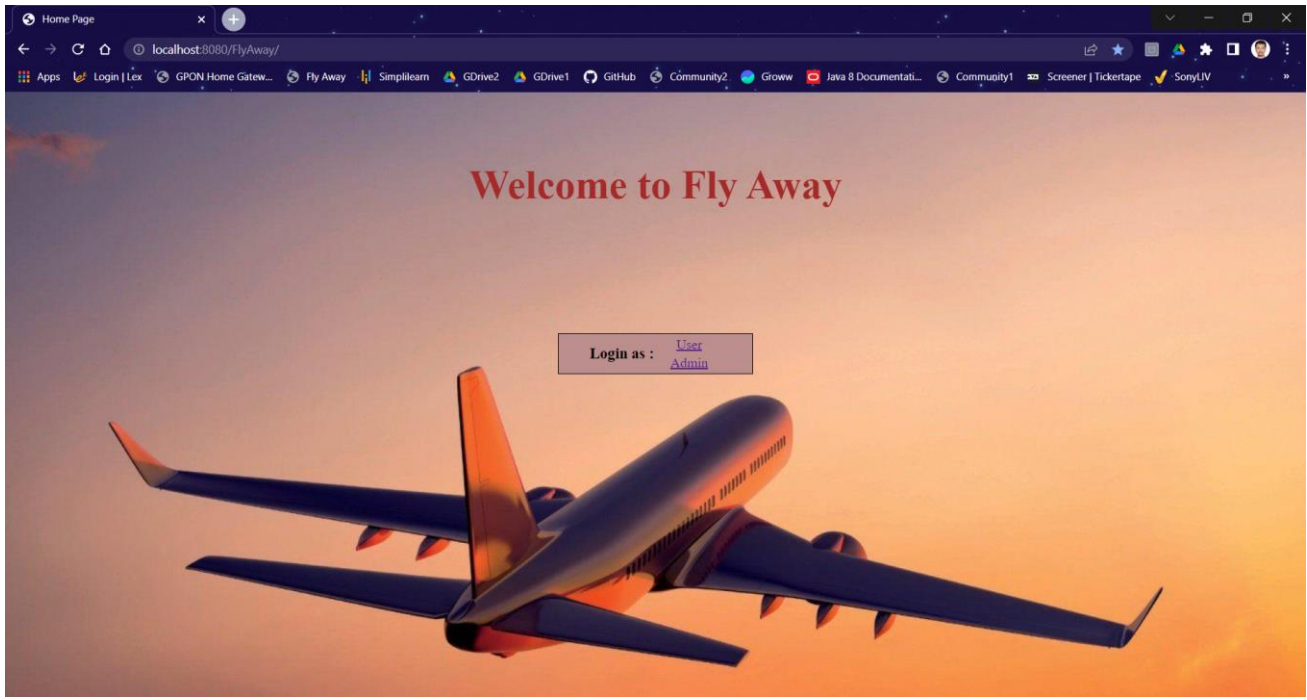
4. Core Concepts Used in the Project

1. Java 8 & Above
2. Servlets
3. Annotation
4. Hibernate
5. SQL
6. JSP
7. Maven
8. MVC Model
9. Session Handling

5. Functionality & Features of Locker Project

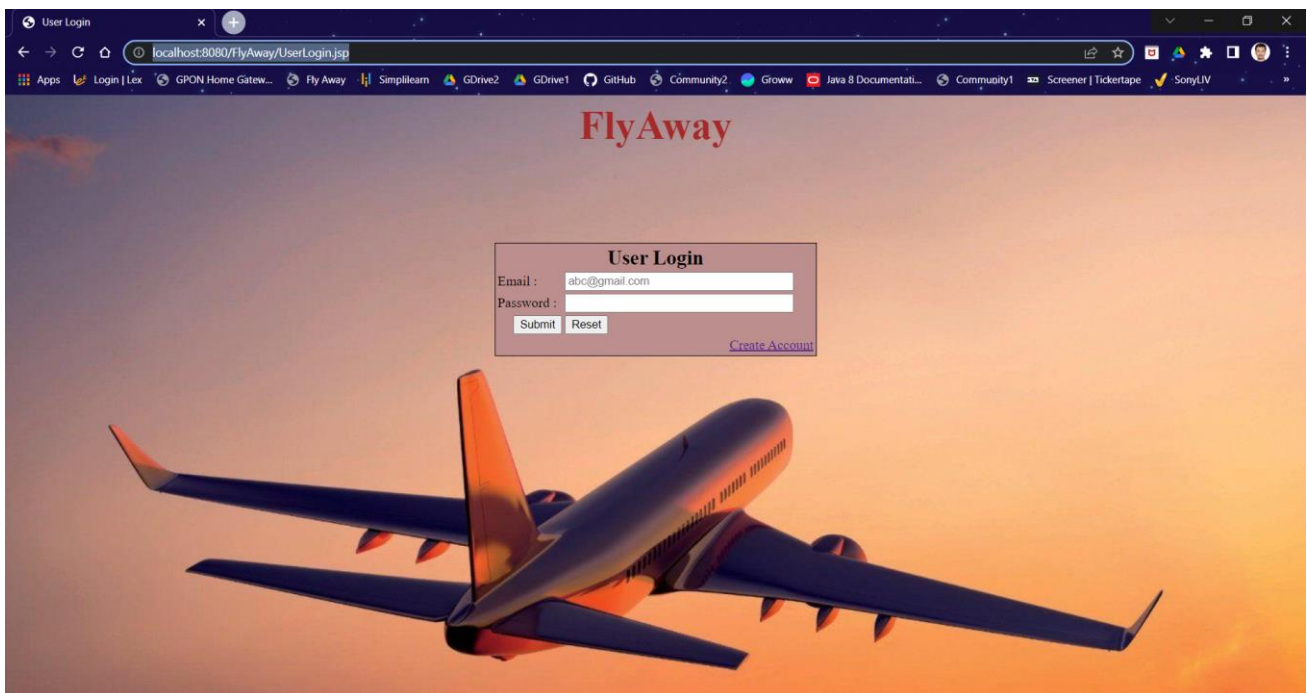
Home Page for Web Application

URL: <http://localhost:8080/FlyAway/>



A. Login as User

URL: <http://localhost:8080/FlyAway/UserLogin.jsp>

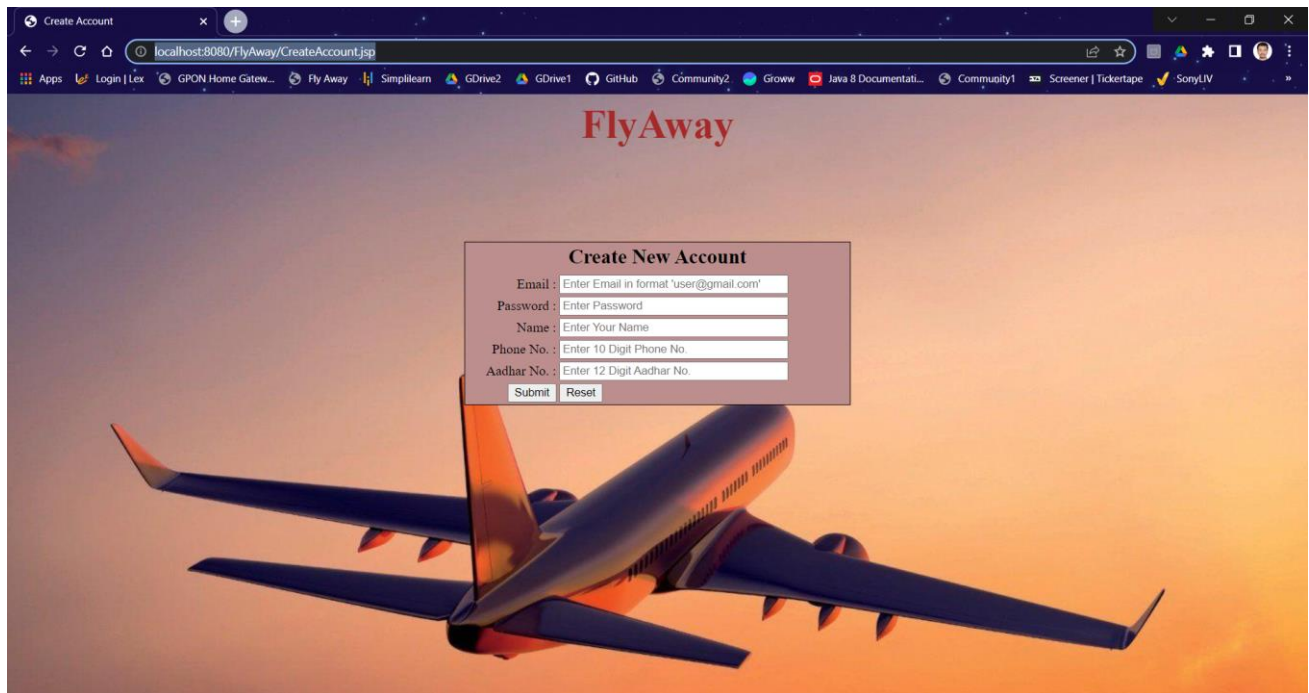


Fly Away (An Airline Booking Portal)

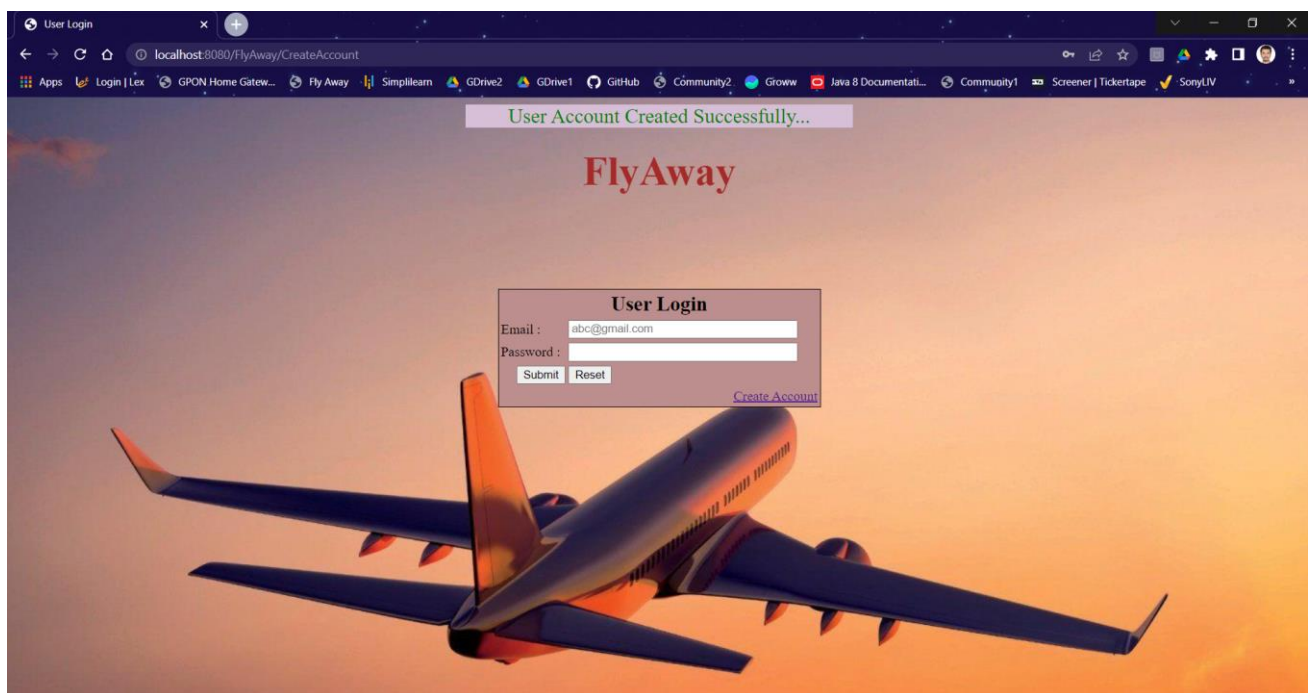
I. Account Creation Functionality

URL: <http://localhost:8080/FlyAway/CreateAccount.jsp>

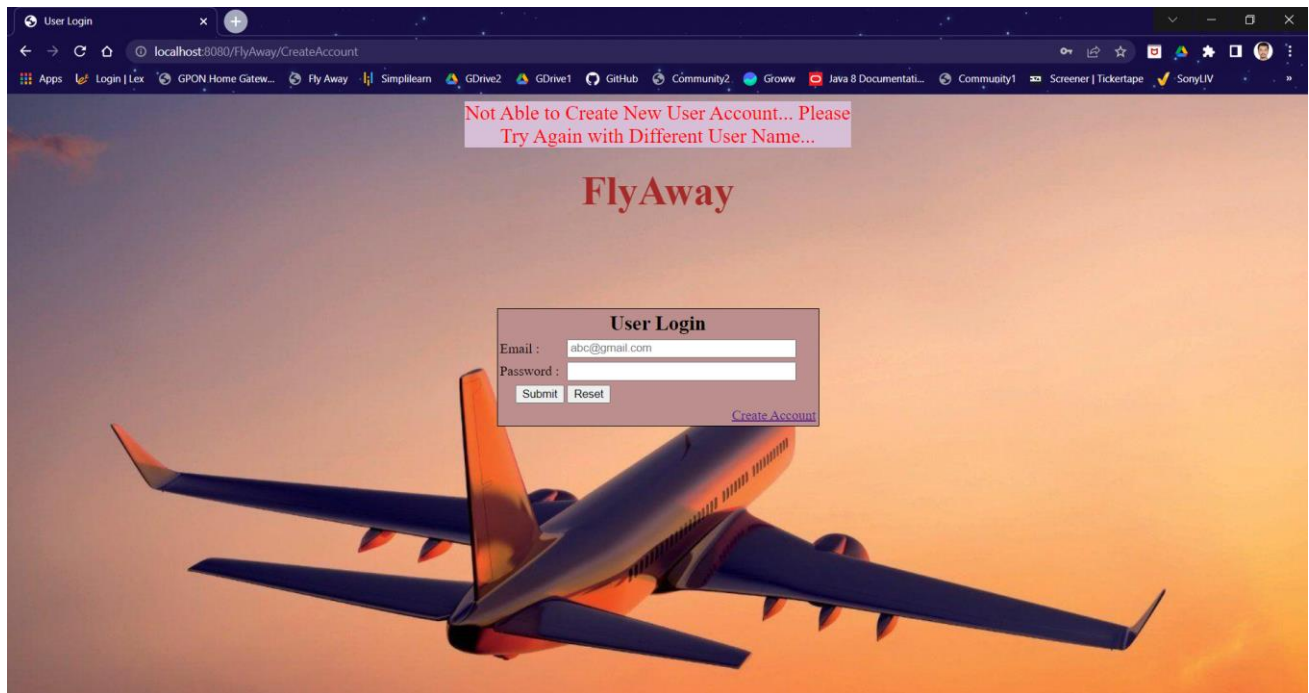
Create Account Page



On Successful Account Creation



On Unsuccessful Account Creation

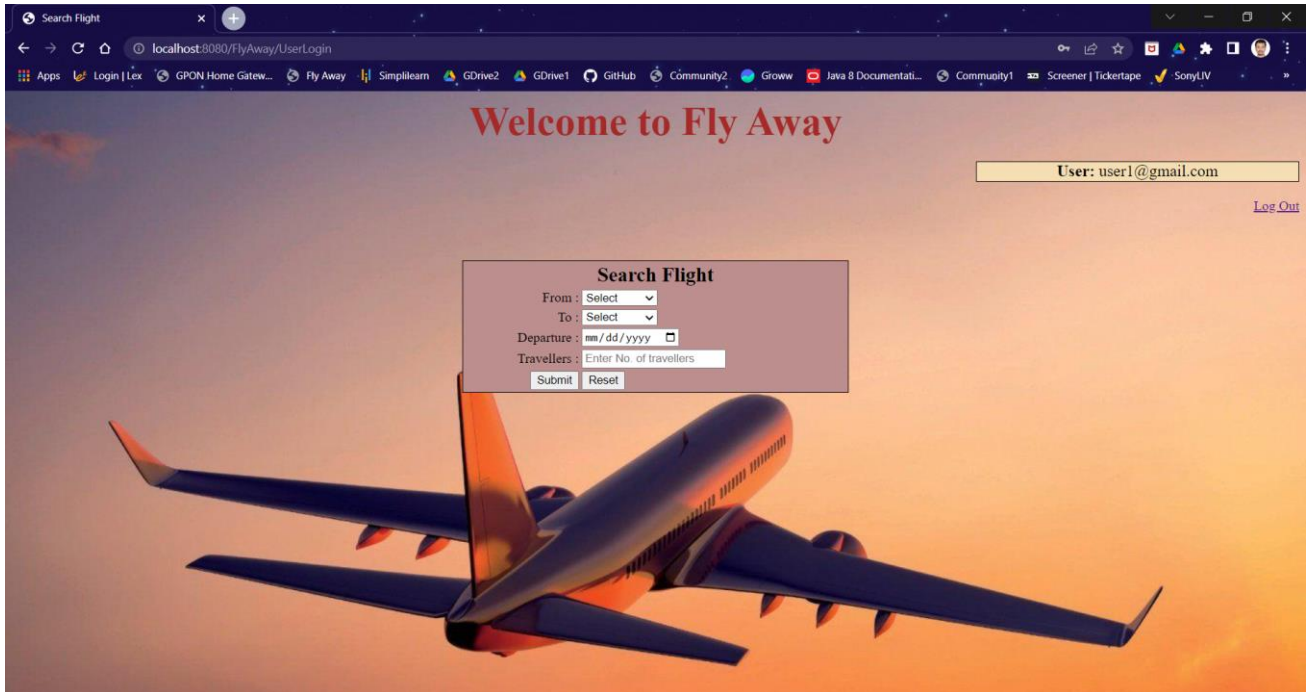


Fly Away (An Airline Booking Portal)

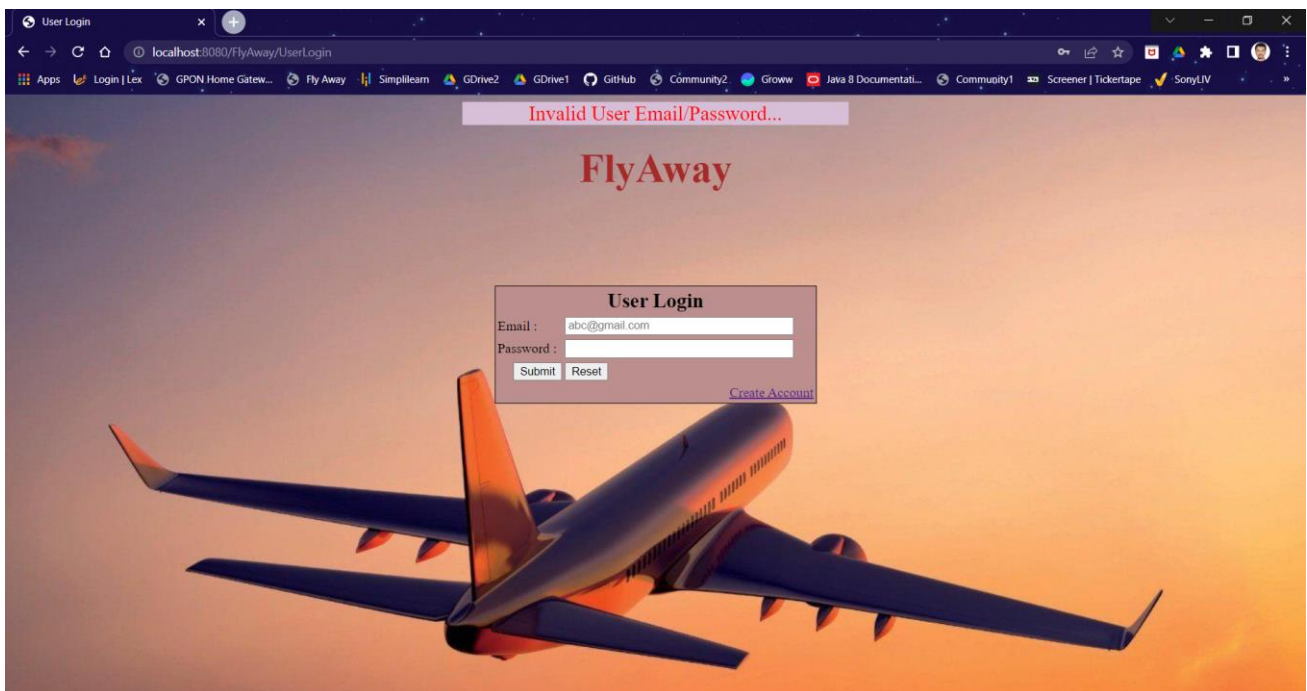
II. Login Functionality

URL: <http://localhost:8080/FlyAway/UserLogin.jsp>

On Successful Login



In Case of Login Failure

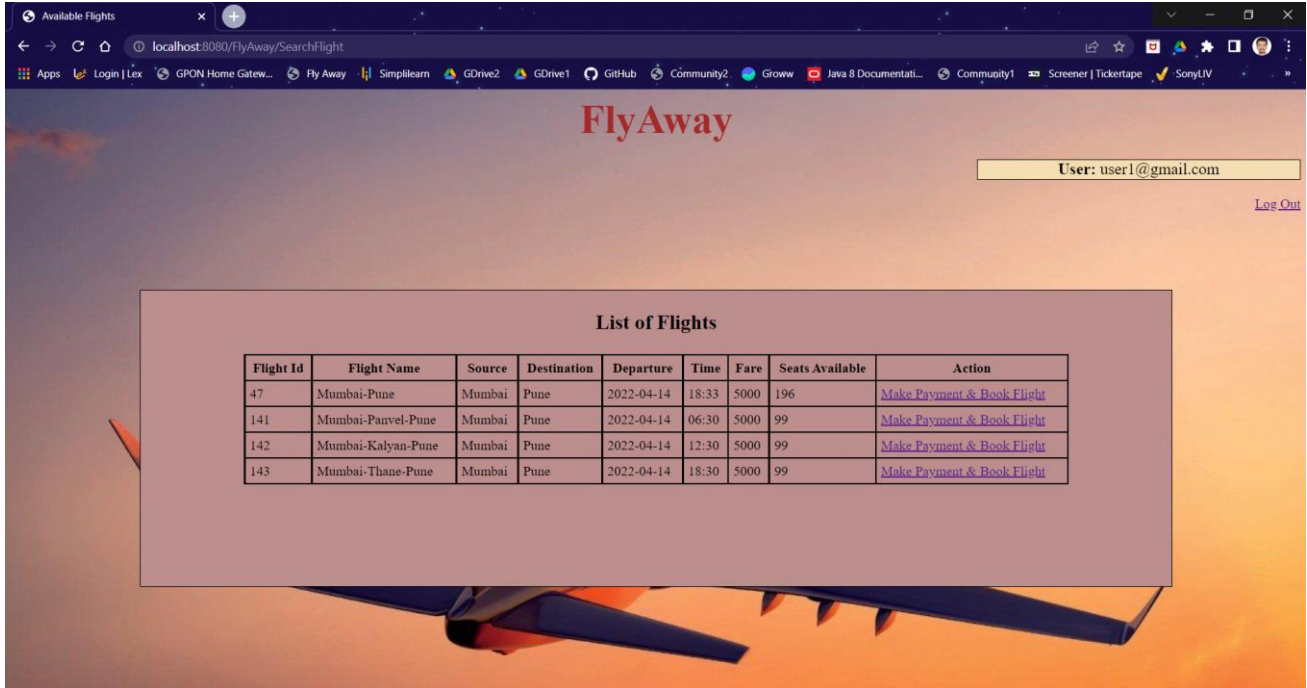


Fly Away (An Airline Booking Portal)

III. Flight Search Functionality

URL: <http://localhost:8080/FlyAway/SearchFlight.jsp>

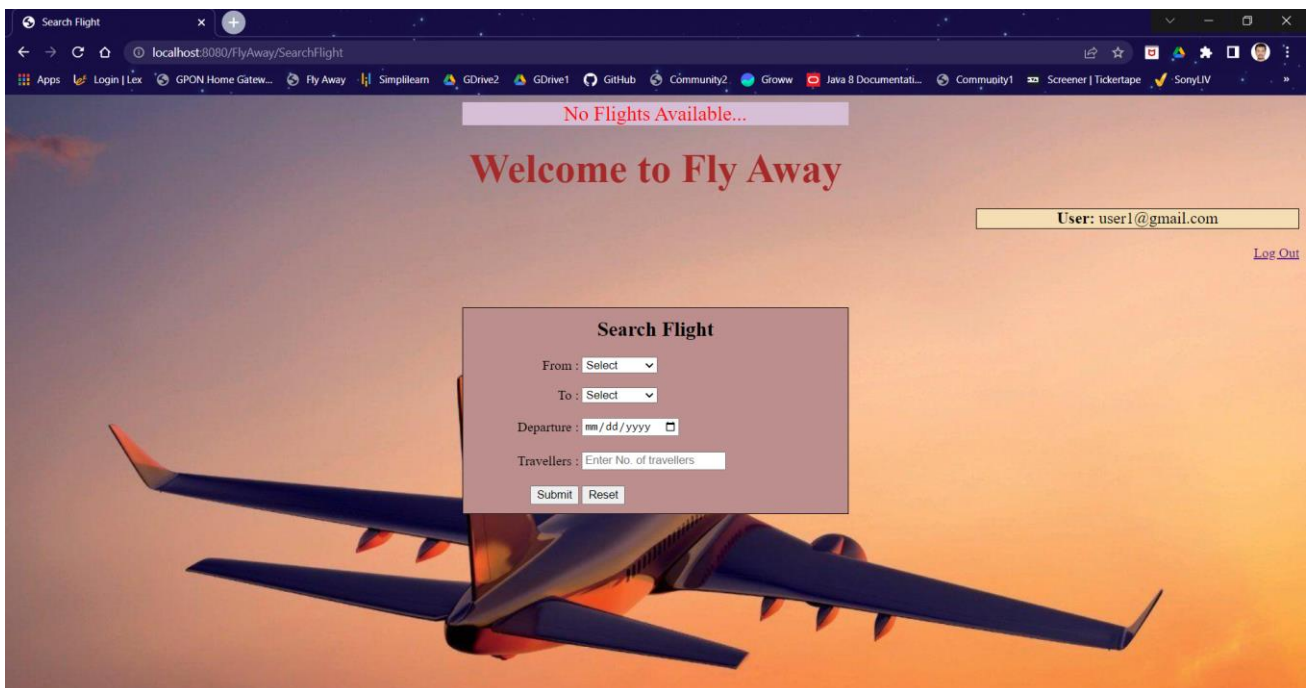
Flights Available Case



The screenshot shows the FlyAway website interface. At the top, the logo "FlyAway" is displayed in red. A user is logged in as "User: user1@gmail.com" with a "Log Out" link. The main content area is titled "List of Flights" and contains a table with the following data:

Flight Id	Flight Name	Source	Destination	Departure	Time	Fare	Seats Available	Action
47	Mumbai-Pune	Mumbai	Pune	2022-04-14	18:33	5000	196	Make Payment & Book Flight
141	Mumbai-Panvel-Pune	Mumbai	Pune	2022-04-14	06:30	5000	99	Make Payment & Book Flight
142	Mumbai-Kalyan-Pune	Mumbai	Pune	2022-04-14	12:30	5000	99	Make Payment & Book Flight
143	Mumbai-Thane-Pune	Mumbai	Pune	2022-04-14	18:30	5000	99	Make Payment & Book Flight

Flights Not Available Case



The screenshot shows the FlyAway website interface when no flights are available. A red banner at the top reads "No Flights Available...". Below it, the text "Welcome to Fly Away" is displayed. A user is logged in as "User: user1@gmail.com" with a "Log Out" link. The main content area is titled "Search Flight" and contains a form with the following fields:

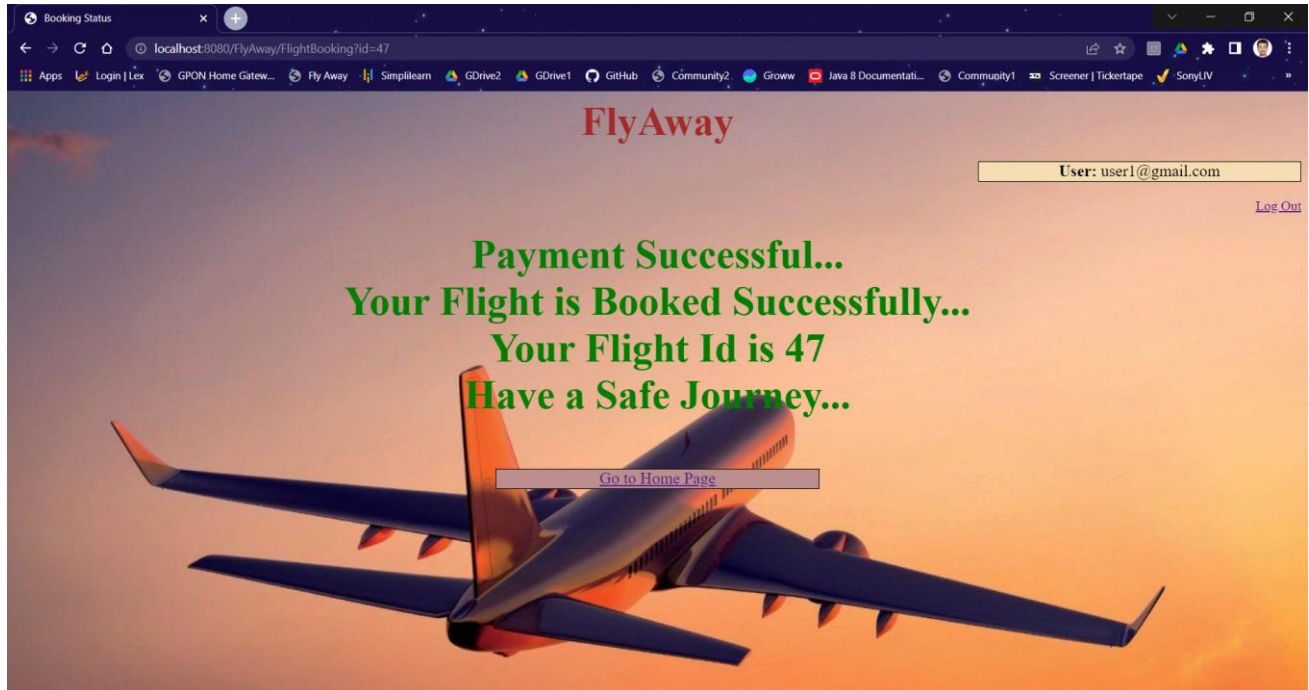
- From:
- To:
- Departure:
- Travellers:

Buttons for "Submit" and "Reset" are located at the bottom of the form.

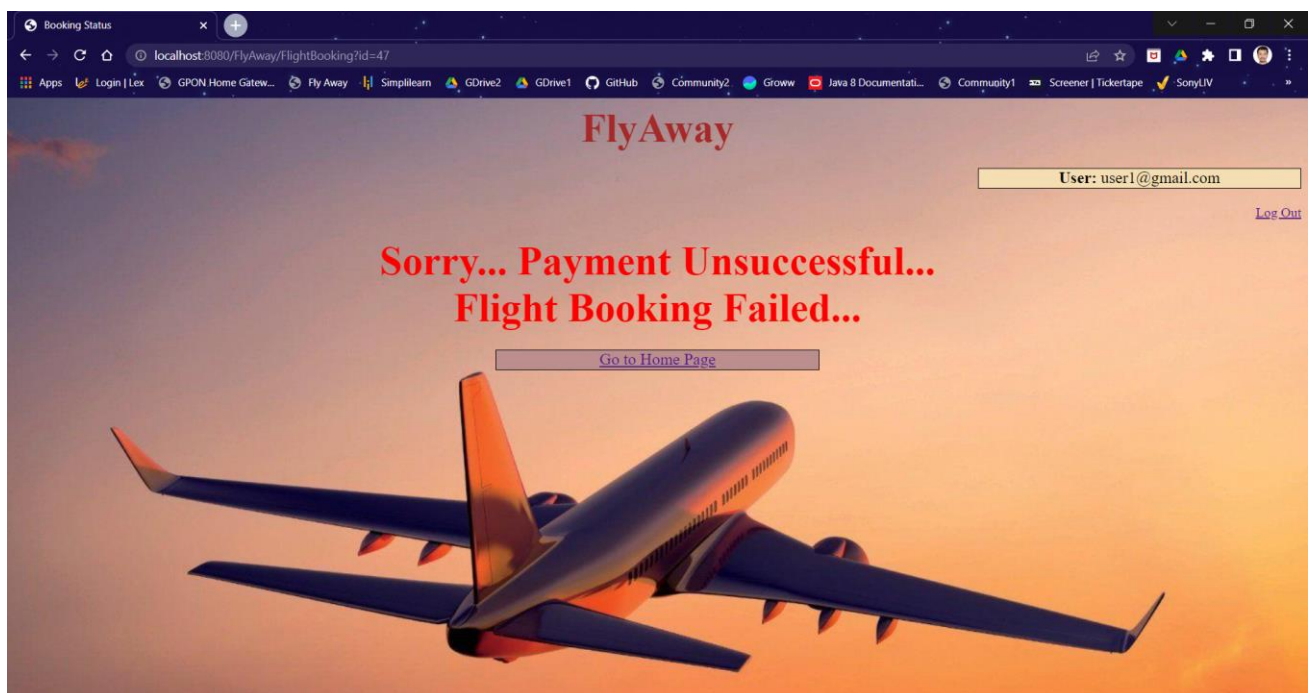
IV. Flight Booking Functionality

URL: <http://localhost:8080/FlyAway/FlightBooking.jsp>

On Successful Flight Booking



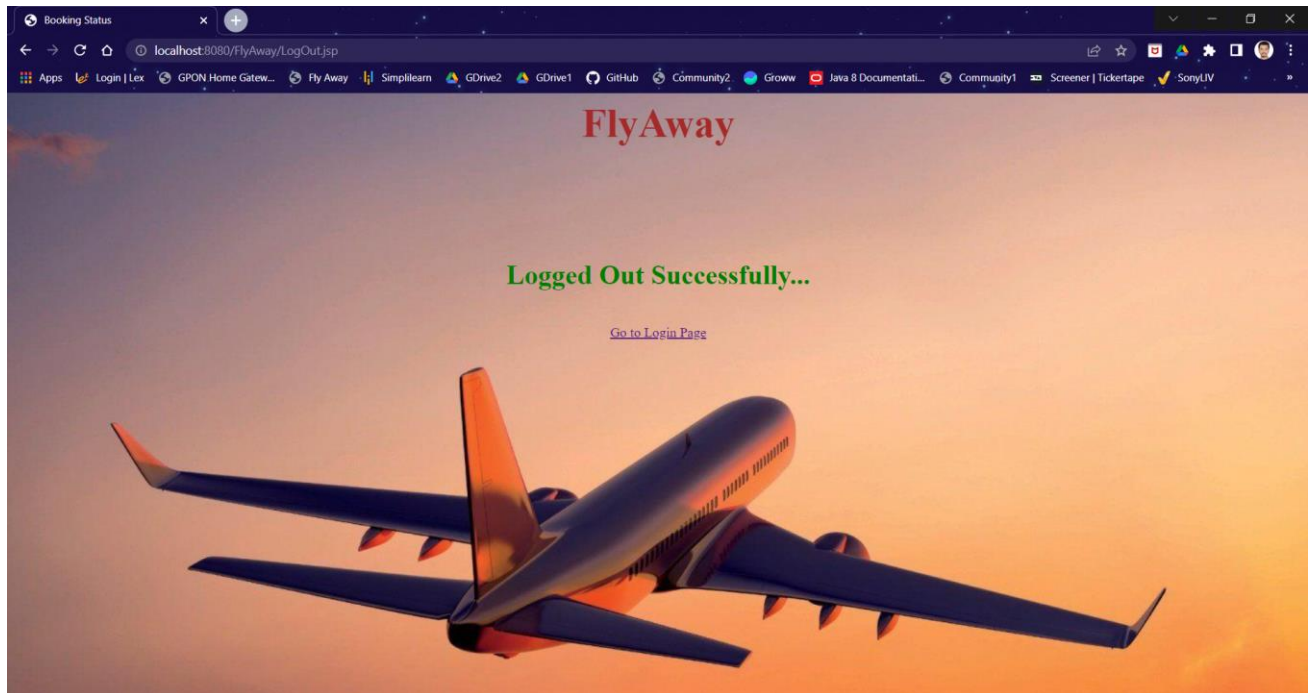
On Unsuccessful Flight Booking



Fly Away (An Airline Booking Portal)

V. Log Out Functionality

URL: <http://localhost:8080/FlyAway/LogOut.jsp>



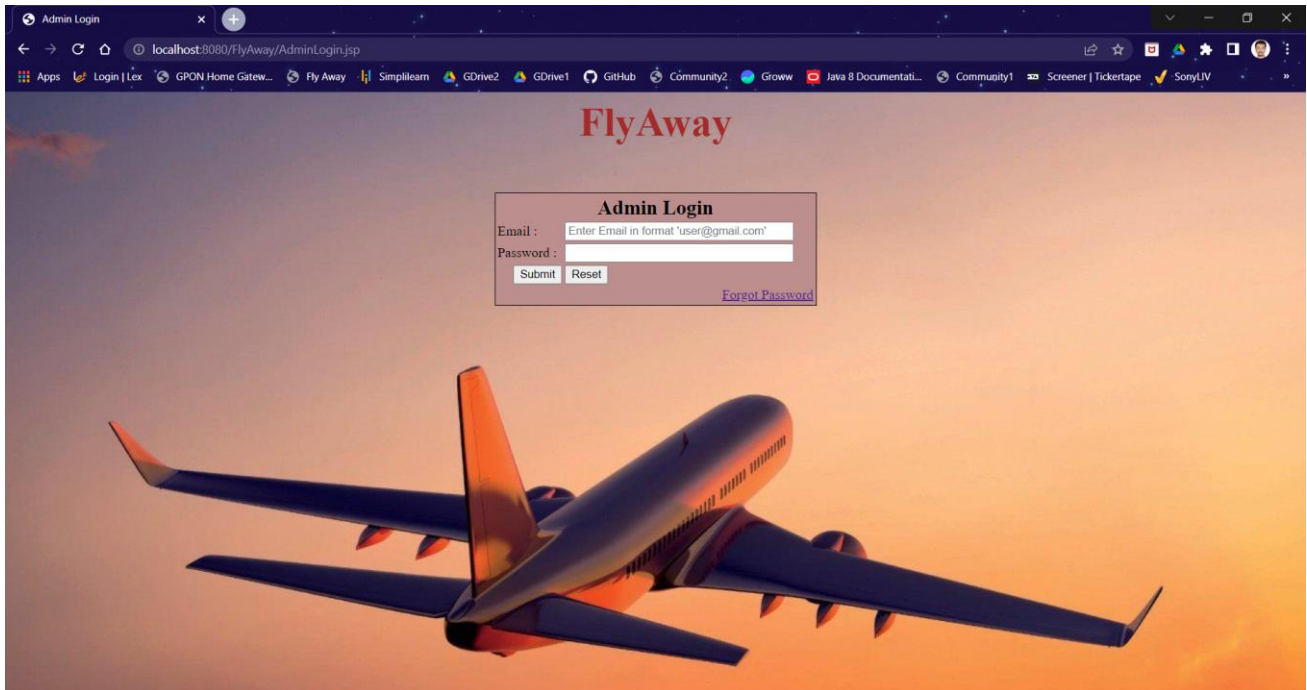
Fly Away (An Airline Booking Portal)

B. Login as Admin

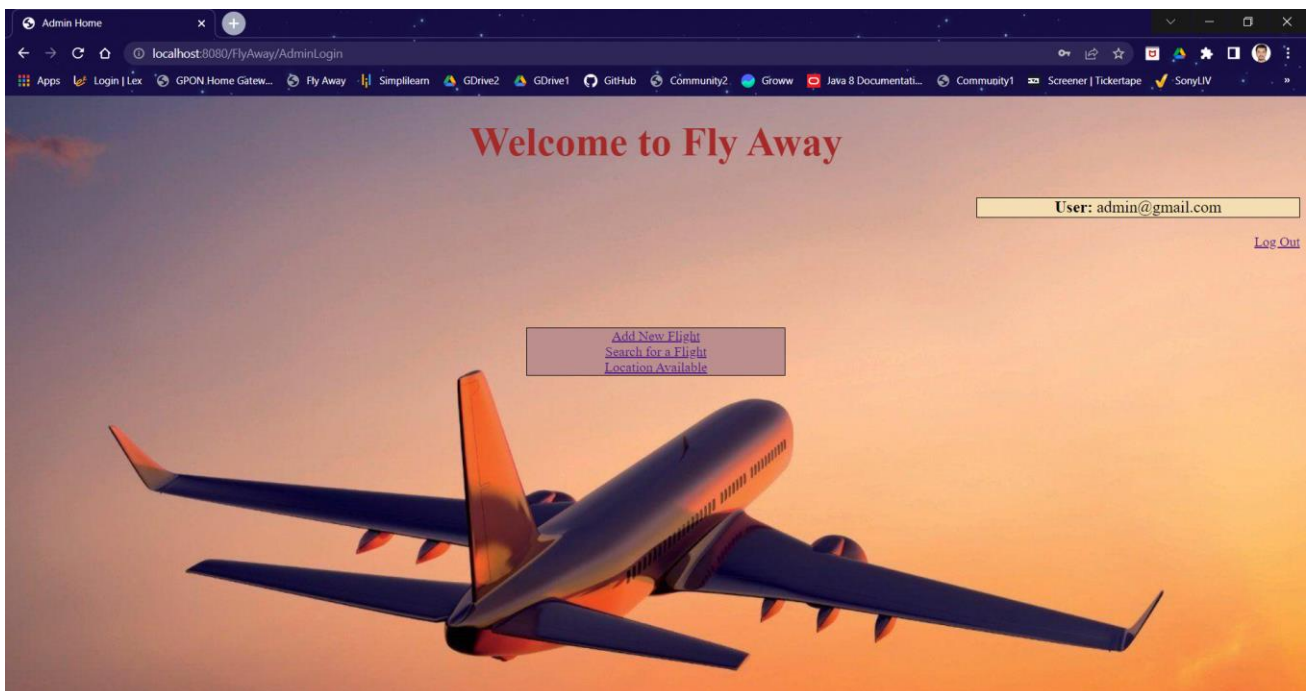
URL: <http://localhost:8080/FlyAway/AdminLogin.jsp>

I. Login Functionality

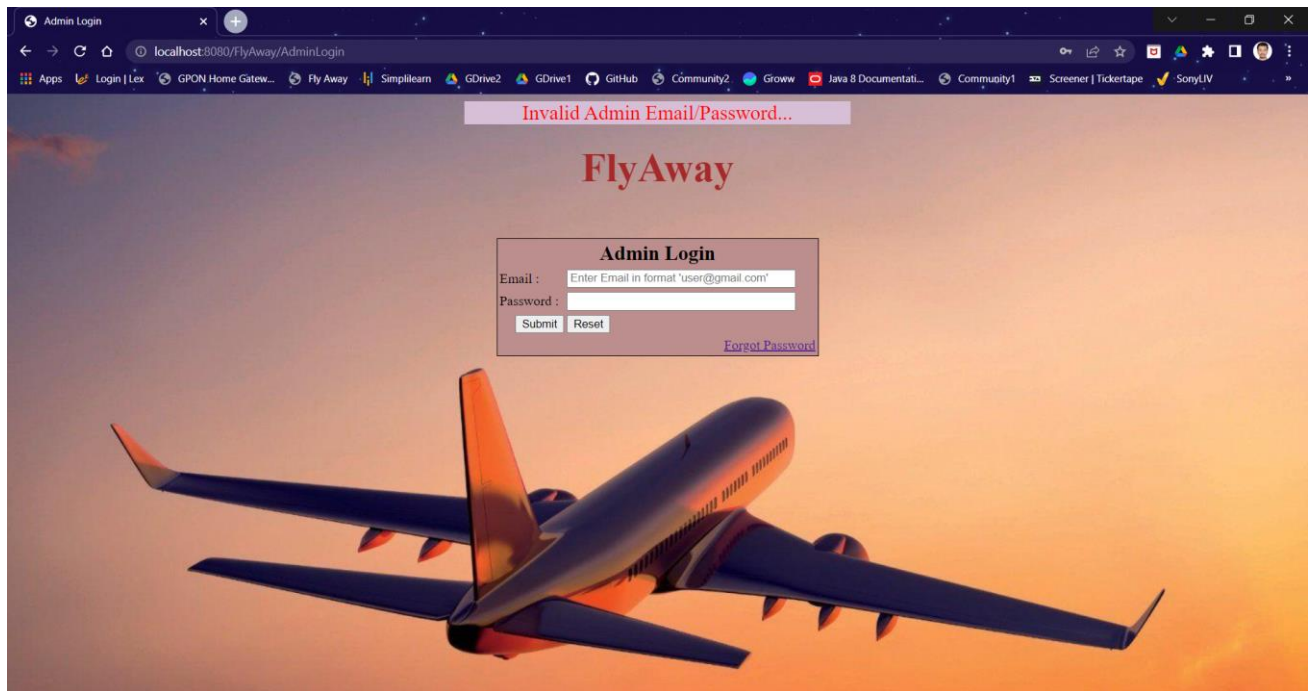
Admin Login Page



On Successful Login



In Case of Login Failure

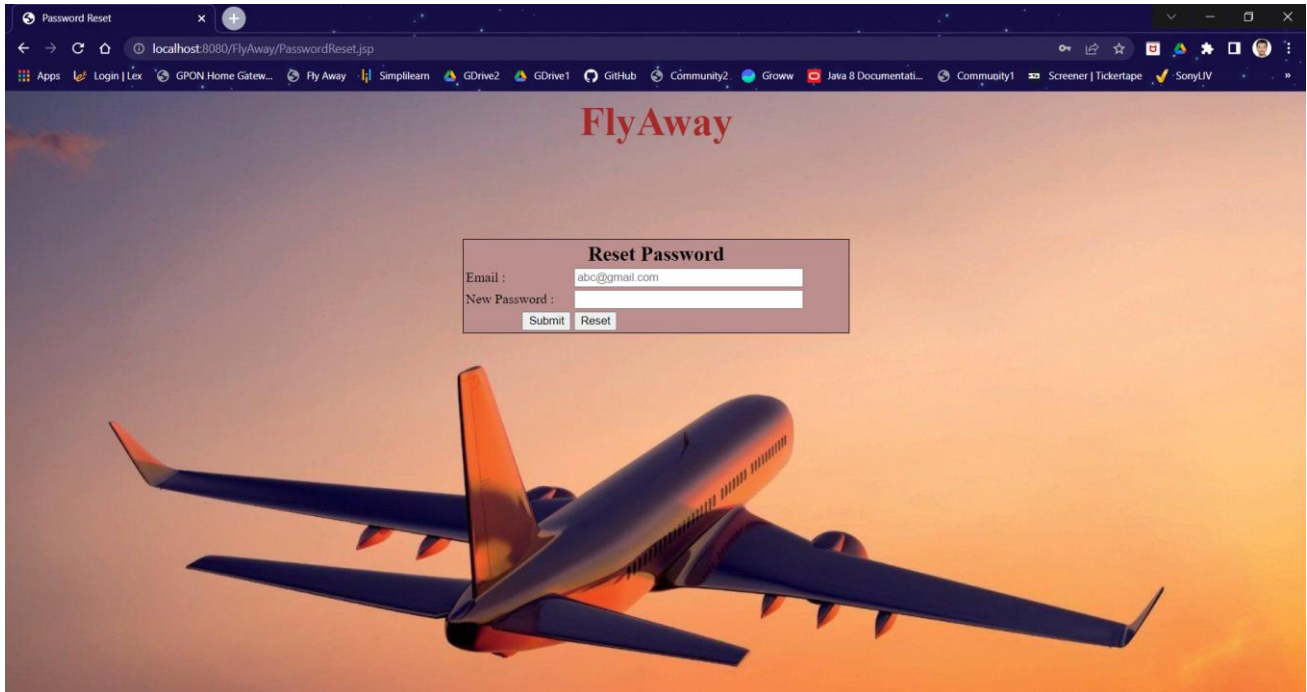


Fly Away (An Airline Booking Portal)

II. Password Reset Functionality

URL: <http://localhost:8080/FlyAway/PasswordReset.jsp>

Password Reset Page

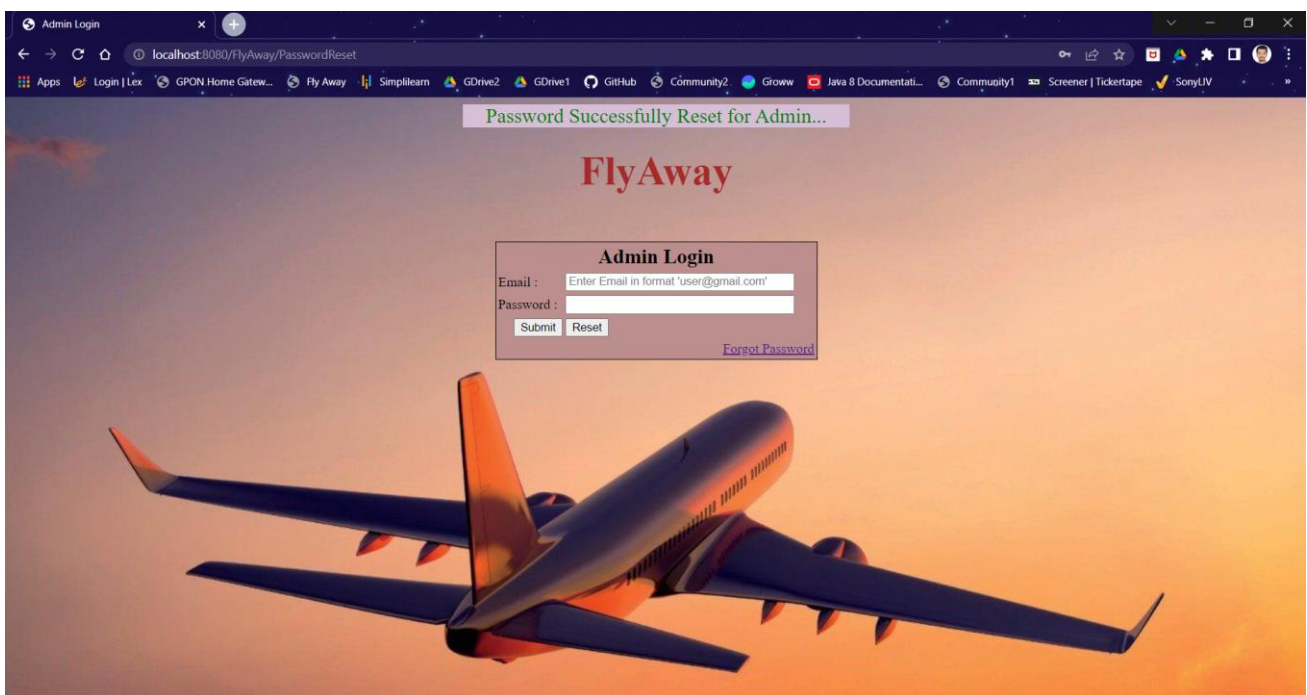


Reset Password

Email :

New Password :

On Successful Password Reset



Password Successfully Reset for Admin...

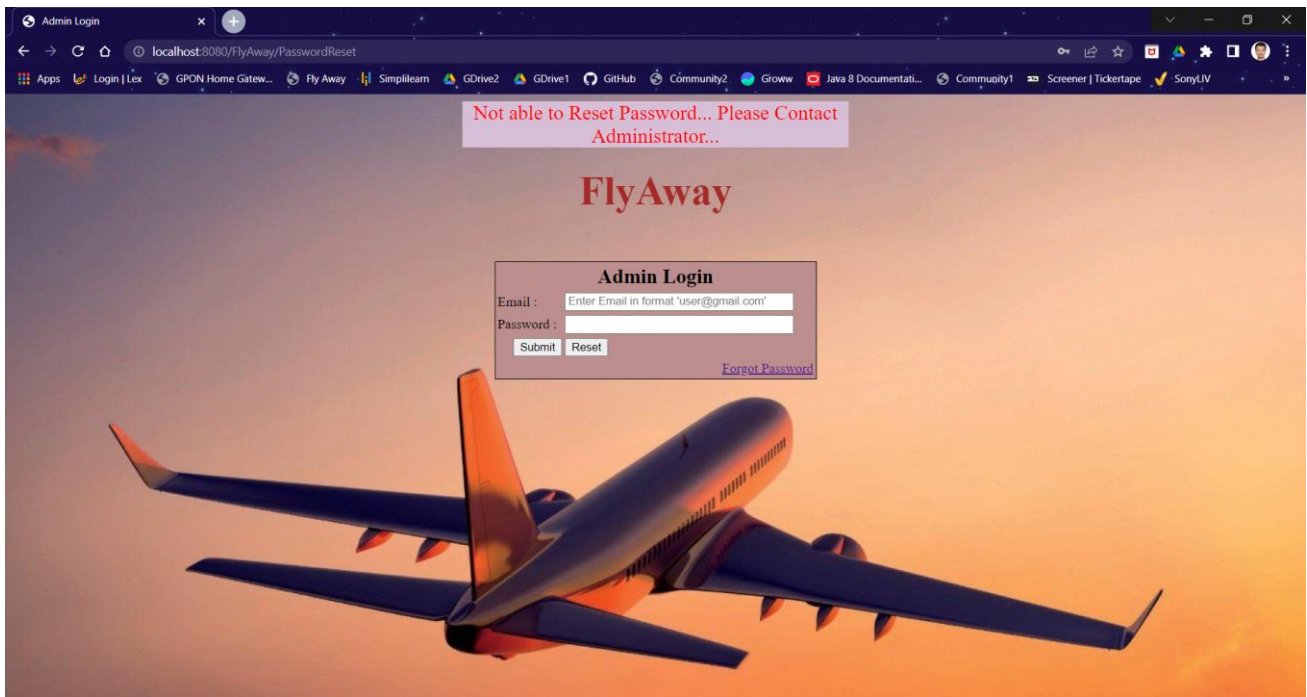
Admin Login

Email :

Password :

[Forgot Password](#)

On Unsuccessful Password Reset

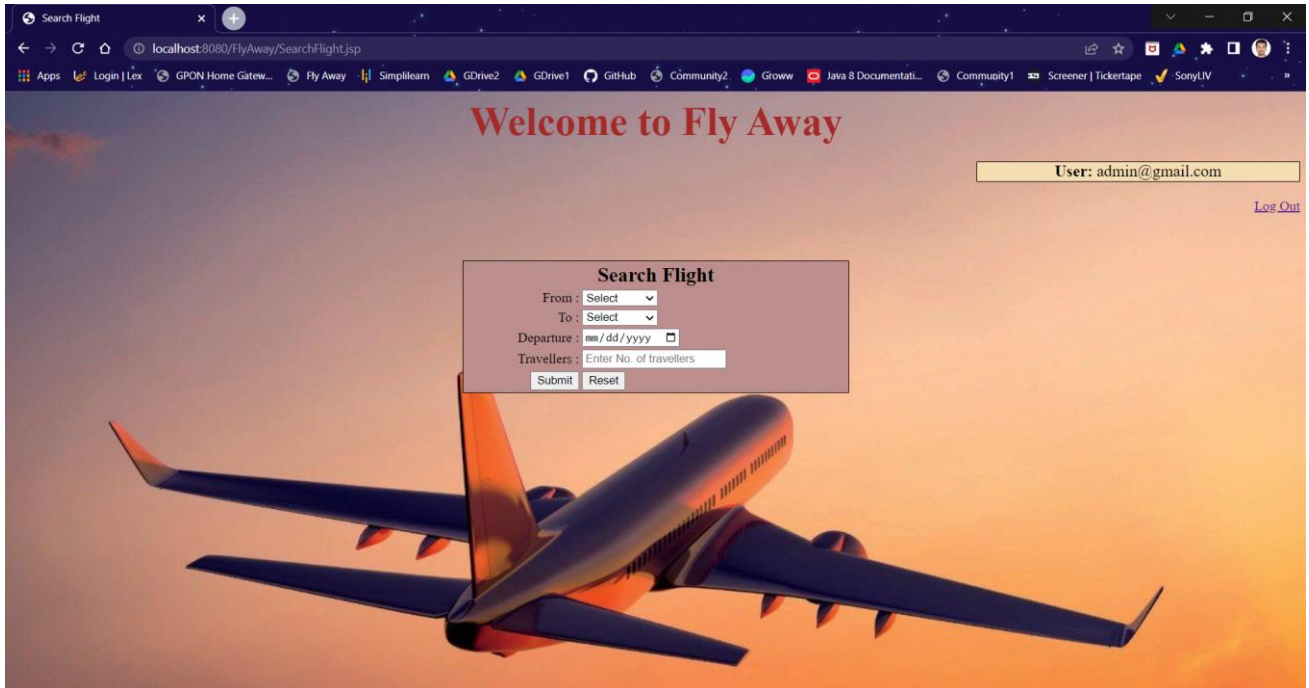


Fly Away (An Airline Booking Portal)

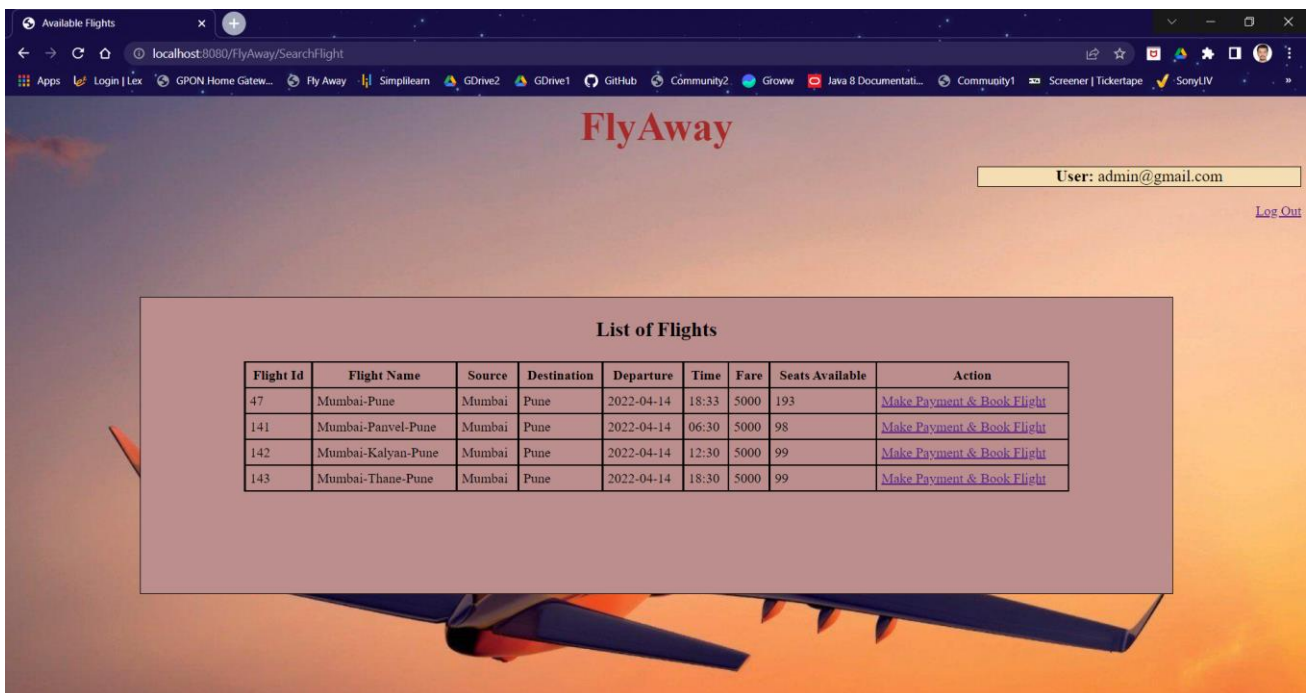
III. Flight Search Functionality

URL: <http://localhost:8080/FlyAway/SearchFlight.jsp>

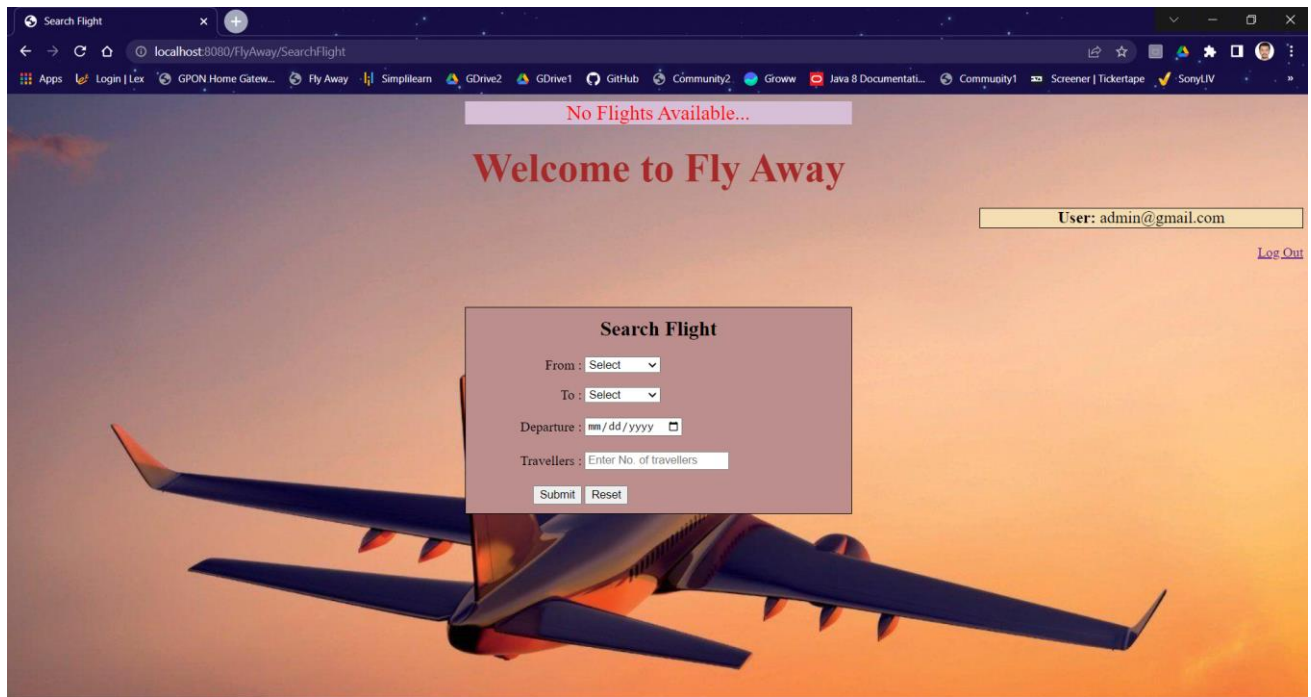
Search Flight Page



Flights Available Case



Flights Not Available Case

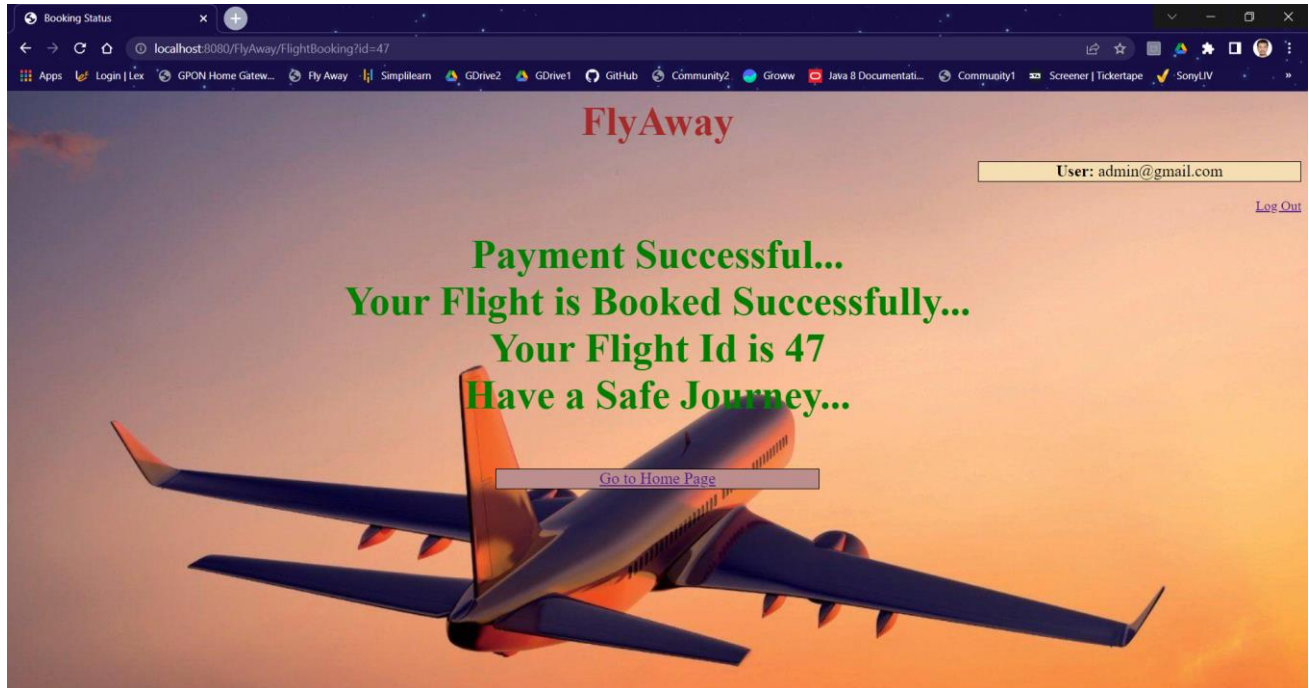


Fly Away (An Airline Booking Portal)

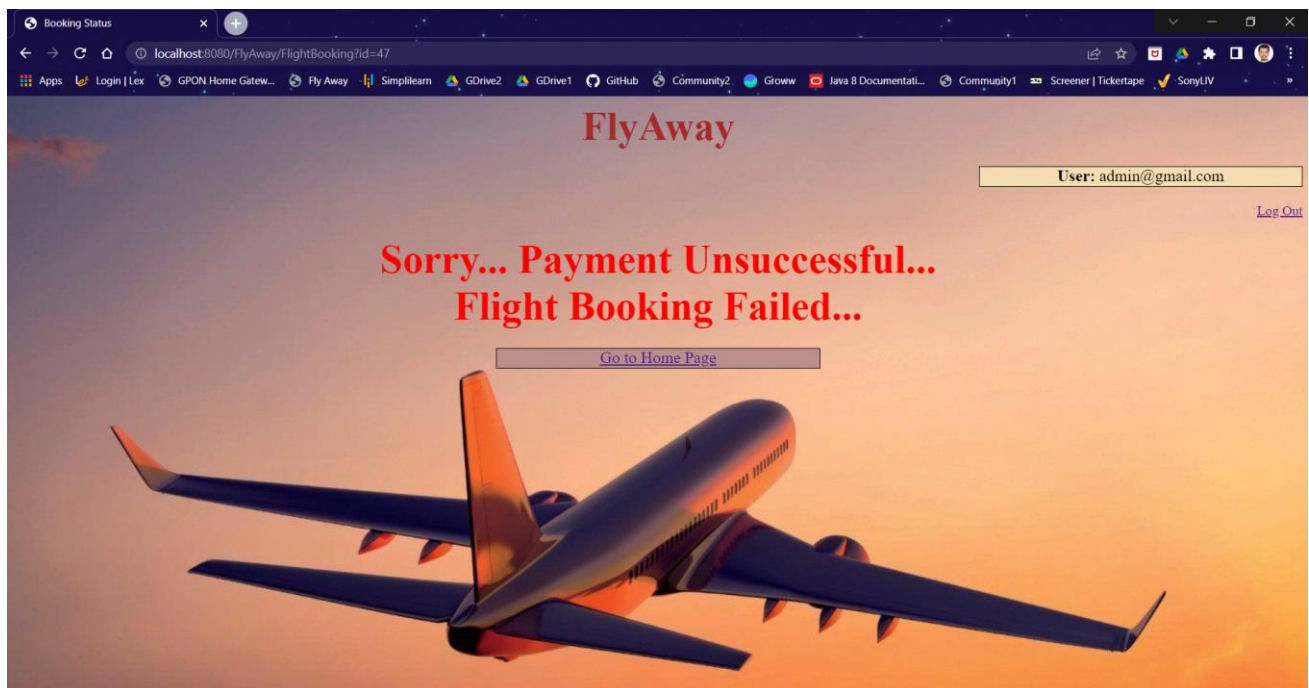
IV. Flight Booking Functionality

URL: <http://localhost:8080/FlyAway/FlightBooking.jsp>

On Successful Flight Booking



On unsuccessful Flight Booking

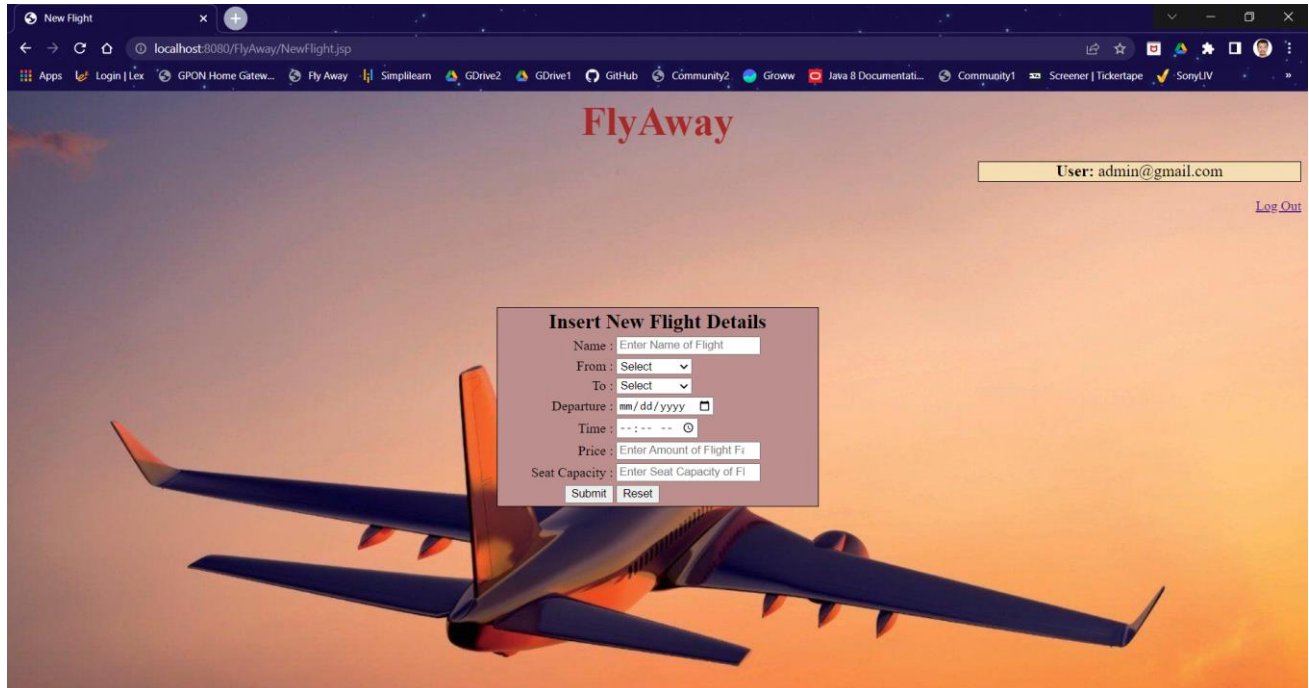


Fly Away (An Airline Booking Portal)

V. Adding New Flight Functionality

URL: <http://localhost:8080/FlyAway/NewFlight.jsp>

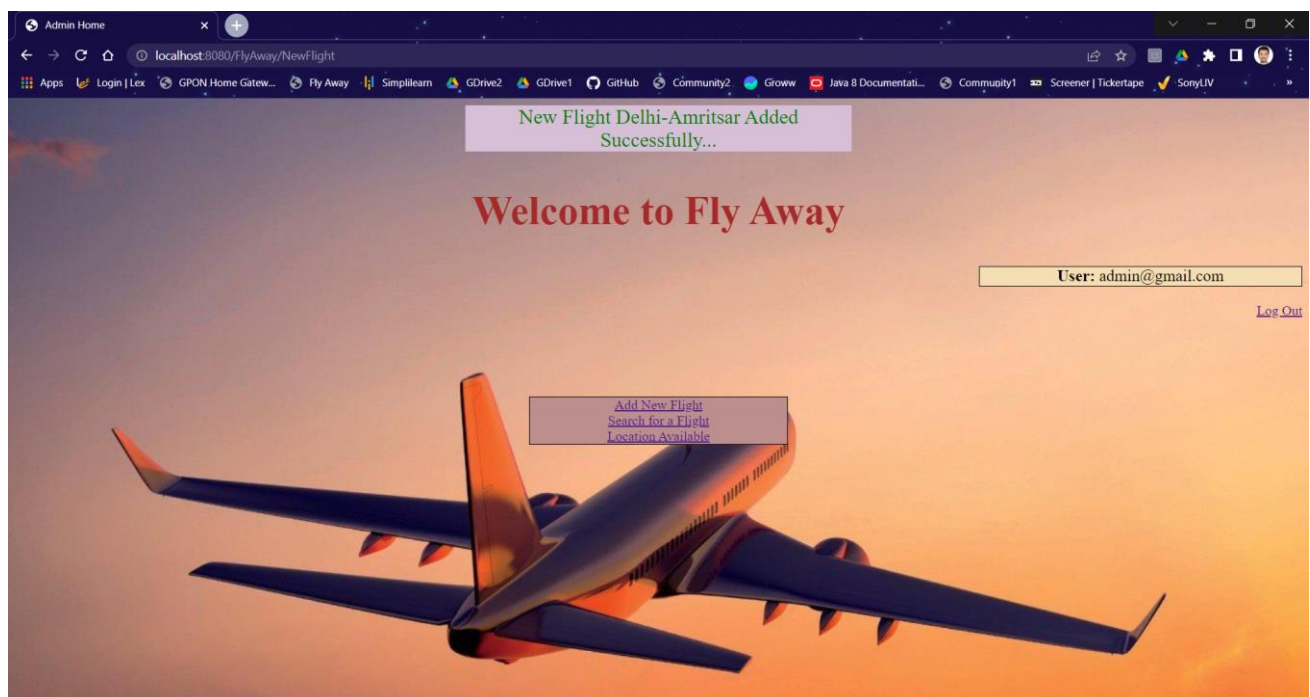
Insert New Flight Page



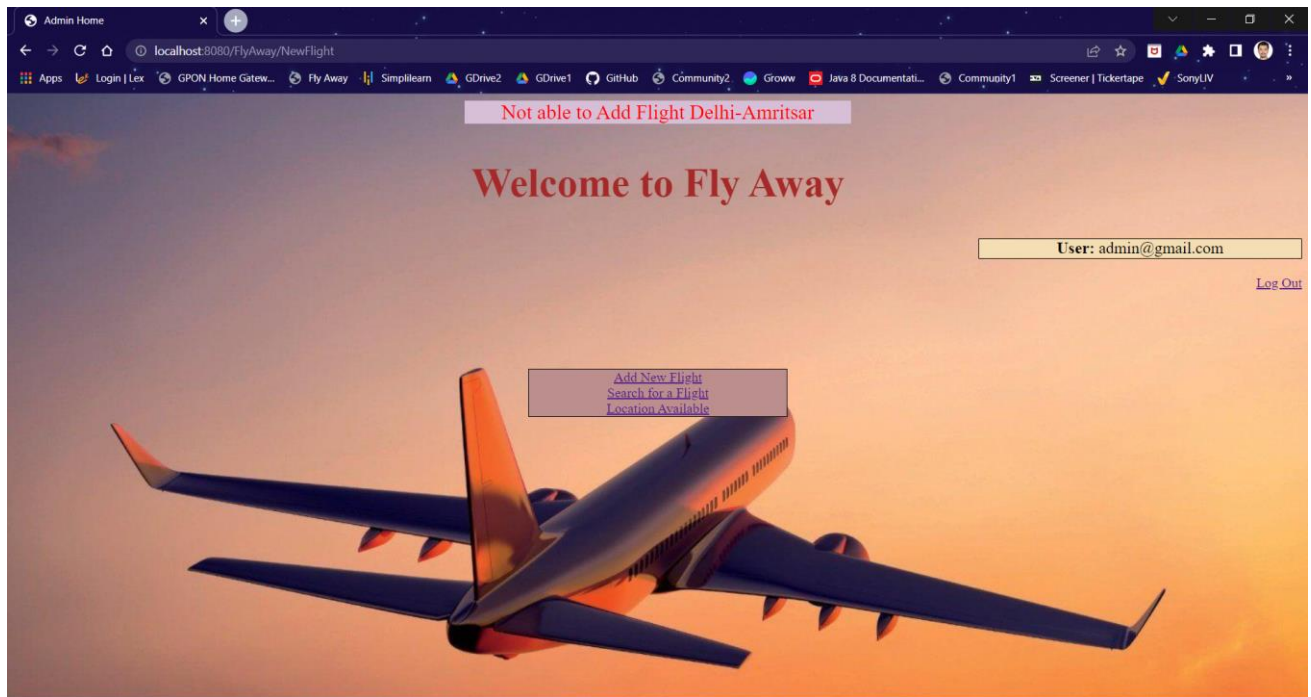
The screenshot shows a web browser window with the URL `localhost:8080/FlyAway/NewFlight.jsp`. The page has a header with the "FlyAway" logo and a user login bar showing "User: admin@gmail.com" with a "Log Out" link. The main content area features a large image of a blue and orange airplane flying over a sunset. Overlaid on this image is a form titled "Insert New Flight Details". The form contains the following fields and controls:

- Name:
- From:
- To:
- Departure:
- Time:
- Price:
- Seat Capacity:
-

Successful Insertion of Flight



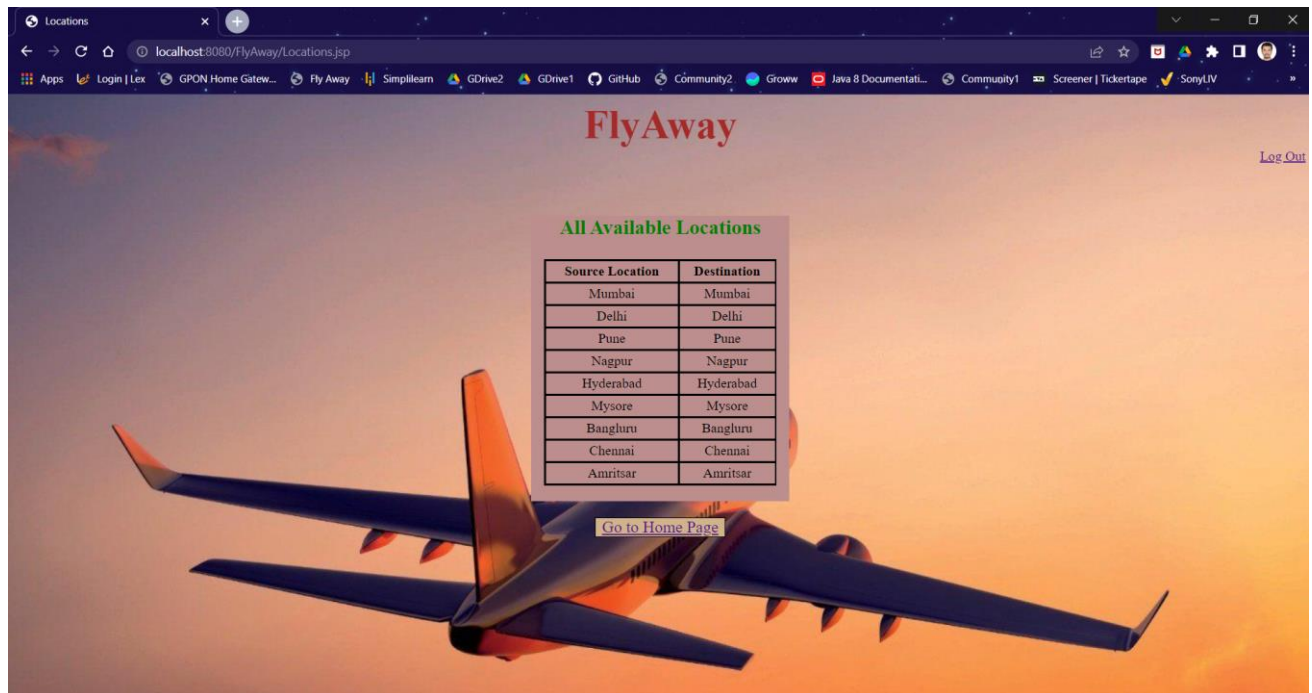
Unsuccessful Insertion of Flight



VI. All Available Locations Functionality

URL: <http://localhost:8080/FlyAway/Location.jsp>

Locations



Fly Away (An Airline Booking Portal)

VII. All Available Flights & Delete Flight Functionality

URL: <http://localhost:8080/FlyAway/ViewAvailableFlights.jsp>

Displaying All Available Flights

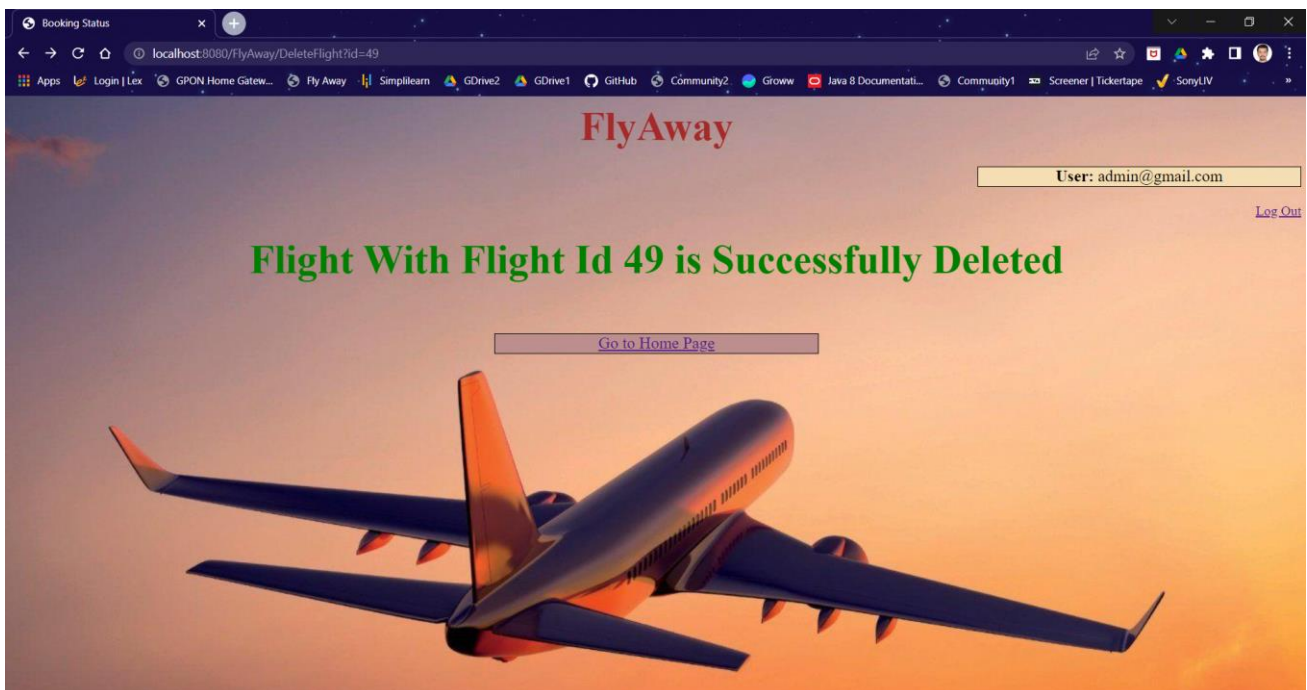


The screenshot shows the FlyAway portal interface. At the top, the logo "FlyAway" is displayed in red. To the right, the user is logged in as "User: admin@gmail.com" with a "Log Out" link. Below this, a section titled "List of All Flights" contains a table with the following data:

Flight Id	Flight Name	Source	Destination	Departure	Time	Fare	Seats Available	Delete Flight
47	Mumbai-Pune	Mumbai	Pune	2022-04-14	18:33	5000	191	Delete Flight
141	Mumbai-Panvel-Pune	Mumbai	Pune	2022-04-14	06:30	5000	98	Delete Flight
142	Mumbai-Kalyan-Pune	Mumbai	Pune	2022-04-14	12:30	5000	99	Delete Flight
144	Pune-Nashik-Mumbai	Pune	Mumbai	2022-04-15	03:15	5000	100	Delete Flight
145	Pune-Nagpur-Mumbai	Pune	Mumbai	2022-04-15	11:33	5000	100	Delete Flight
146	Pune-Delhi-Mumbai	Pune	Mumbai	2022-04-15	21:40	5000	100	Delete Flight
49	Delhi-Amritsar	Delhi	Amritsar	2022-04-20	02:51	10000	35	Delete Flight
50	Delhi-Amritsar	Delhi	Amritsar	2022-04-20	13:53	15000	50	Delete Flight

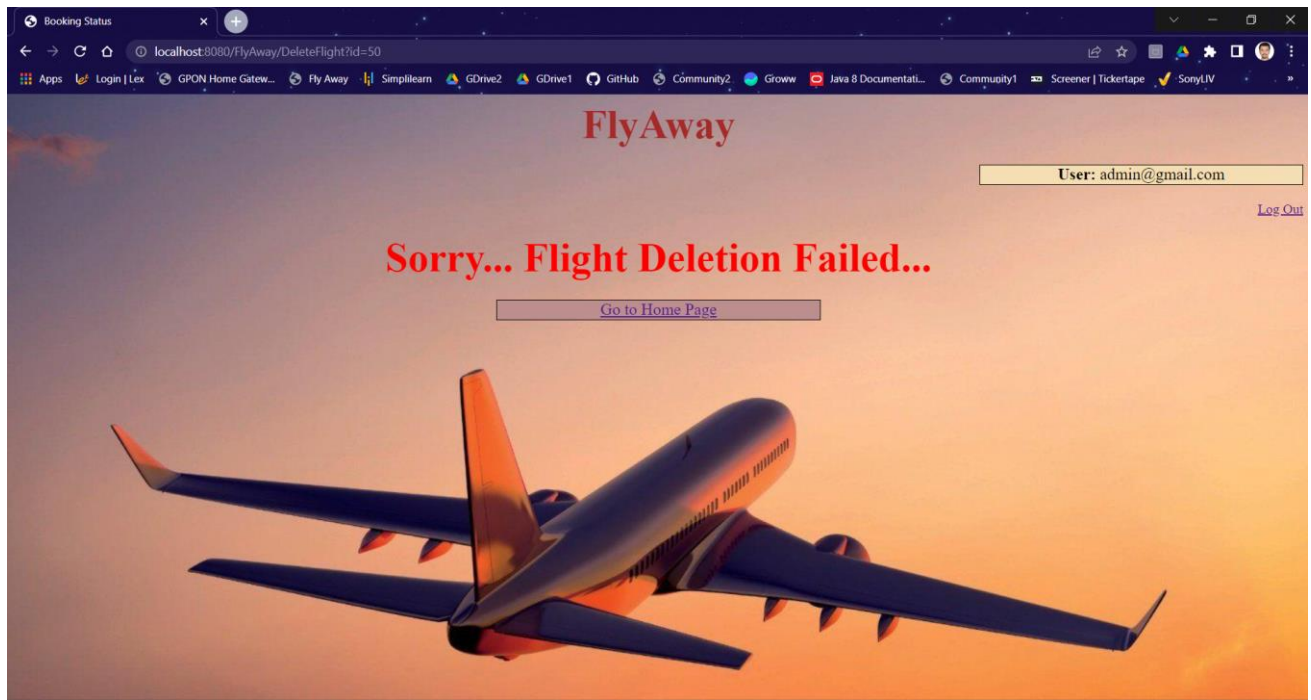
The background of the page features a large, stylized image of a blue and orange airplane flying against a sunset sky.

Successful Deletion of Flight



The screenshot shows the FlyAway portal interface after a flight has been successfully deleted. The message "Flight With Flight Id 49 is Successfully Deleted" is displayed in green text. Below the message is a button labeled "Go to Home Page". The user is still logged in as "User: admin@gmail.com" with a "Log Out" link. The background features the same large, stylized image of a blue and orange airplane flying against a sunset sky.

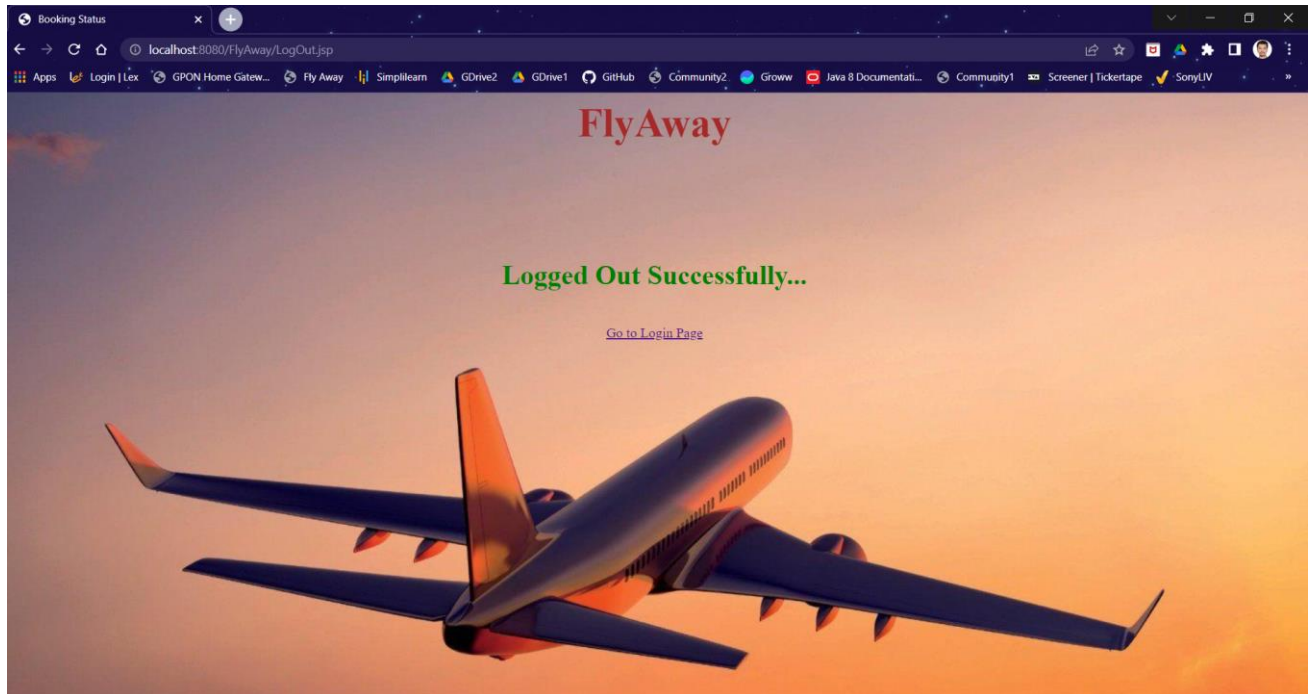
Unsuccessful Deletion of Flight



VII. Log Out Functionality

URL: <http://localhost:8080/FlyAway/LogOut.jsp>

Log Out Page



6. Links to the GitHub Repository & Notes

1) **Link:** <https://github.com/ShreyashVijayPawar/FlyAway.git>

2) **Note:**

- i. Code present in master branch
- ii. Admin email should be admin@gmail.com only. Which will not change in any condition and respective Insert statement is available in below attached Database.sql file.
- iii. Before Running Web Application, please execute below Database.sql file in SQL DB.



Database.sql

- iv. Please configure database details in hibernate.cfg.xml file present in /FlyAway/src/main/java/hibernate.cfg.xml

7. Your conclusion on enhancing the application and defining the USPs (Unique Selling Points)

A. Enhancements –

- Functionality for Admin to Updated flights details.
- Functionality for User to View previous bookings.

B. Unique Selling Points (USP)

- User Friendly Application
- Versatile and Scalable