# FlyAway

#### Flight Booking App in JAVA - Servlet & JSP

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#### This document contains sections for:

- ✔ Project overview
- ✔ Project's core concepts
- ▼ Flow of the Application
- → Agile and Scrum: User Stories from the Project
- ✓ Demonstrating product capabilities, its presentation and user interactions.
- ✓ Pushing code on Github
- Conclusions

The code for this project is hosted at: <a href="https://github.com/shruti-bhrdwj/FlyAway">https://github.com/shruti-bhrdwj/FlyAway</a>

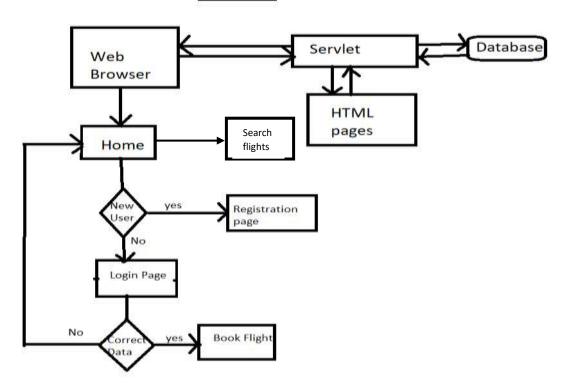
#### **Project Overview:**

- 1. Technologies used
  - ✓ Frontend JSP, HTML, CSS Backend JAVA Servlets Database MySQL Application Server Tomcat 8.5
- 2. Features
  - → Book Flights The user fills out flight information (date, source, destination, number of travelers). A query is made to a remote database in order to retrieve associated flights, which are then displayed to the user. User can proceed to book the flight.
  - ✓ Admin A username and password are required to access the admin dashboard. After logging in, the administrator can change his password or can insert the new flights.

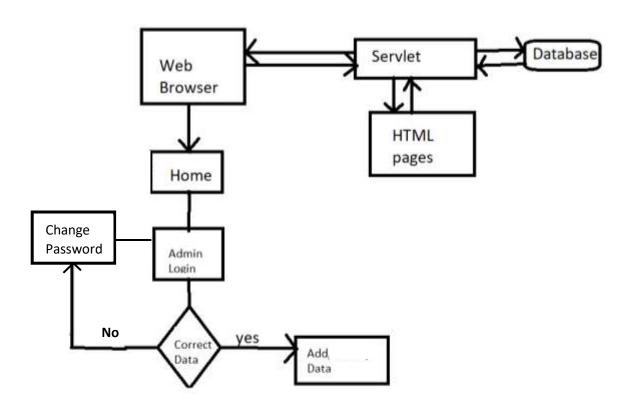
## **Project's Core concepts:**

- ✓ Language: Java (Eclipse IDE)
- Concepts:
  - File Handling,
  - Collections framework,
  - Exception Handling,
  - MYSQL-workbench,
  - Recursion,
  - Sorting,
  - Flow Control.

#### **User Login**



# Admin Login



## **Agile and Scrum: Users Stories**

The project will be finished in three sprints. The following tasks are expected to be performed throughout the sprint:

- $\Rightarrow$  Creating the application's flow
- ⇒ Setting up a git repository to track changes as the project develops.
- ⇒ Writing a Java programme to meet the project's requirements.
- ⇒ Putting the Java software through its paces with various types of user input
- $\Rightarrow$  Using GitHub to push code.

#### **Users Stories to be covered per sprint:**

#### **Sprint 1**

- 1. As a user, I want to create account on website.
- 2. As a user, I can login and logout.

## Sprint 2

- 3. As a user, I want to search flight options available to me based on date, source and destination.
- 4. As an administrator, I can login to website.

## Sprint 3

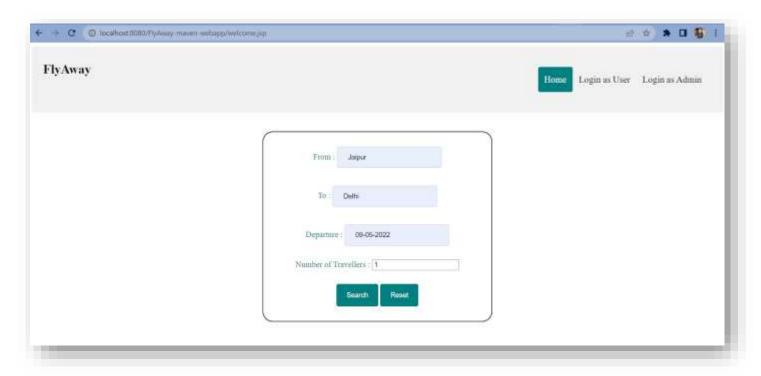
- 5. As an administrator, I can add more flights.
- 6. As an administrator, I can change my password.

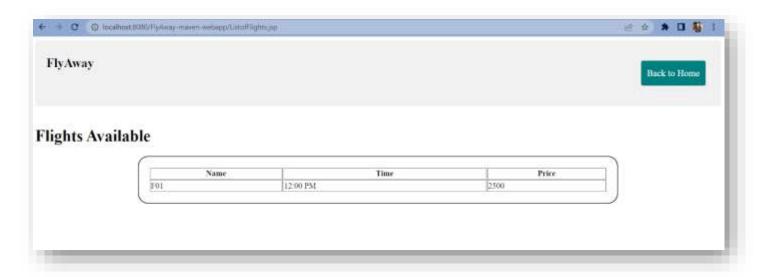
## Demonstrating product capabilities, its presentation and user interactions.

The following sub-sections have been adjusted to showcase the project's aesthetic and user interactions in order to demonstrate the product's capabilities:

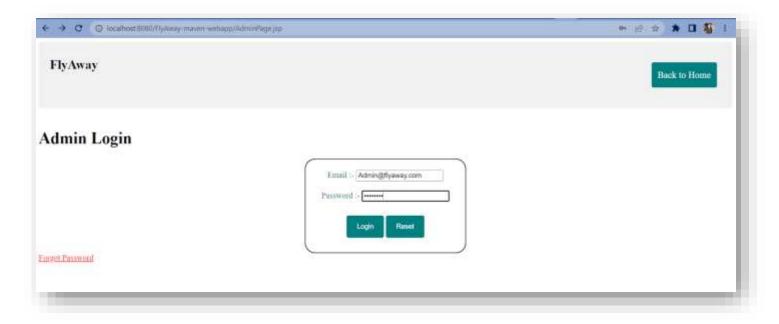
## Home page:

Search for available Flights at homepage.

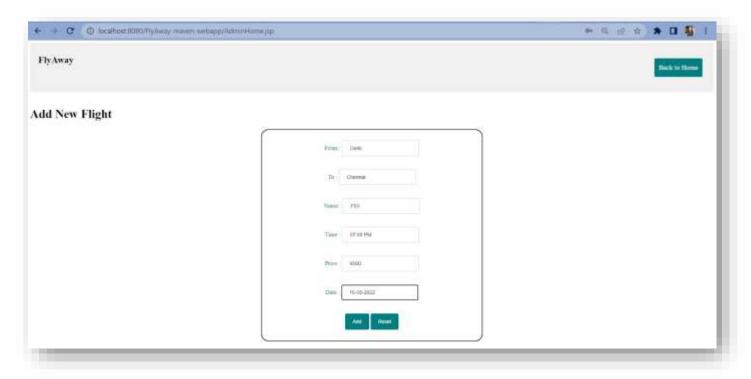


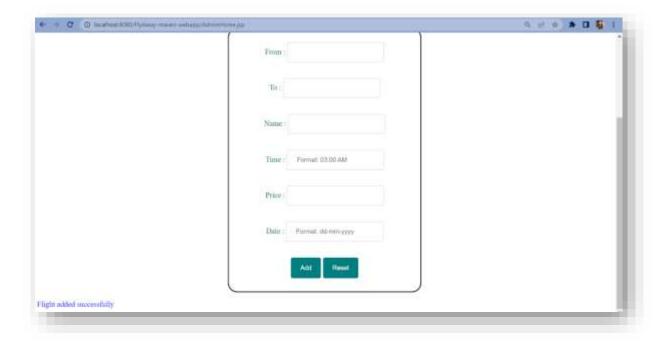


# Admin Login:

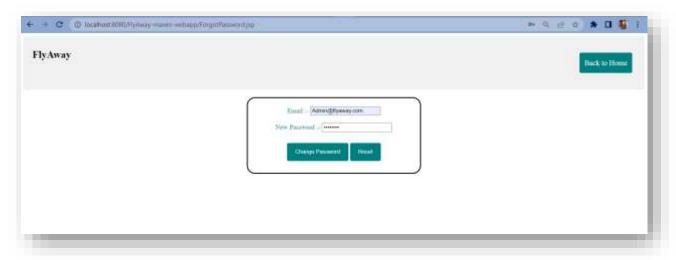


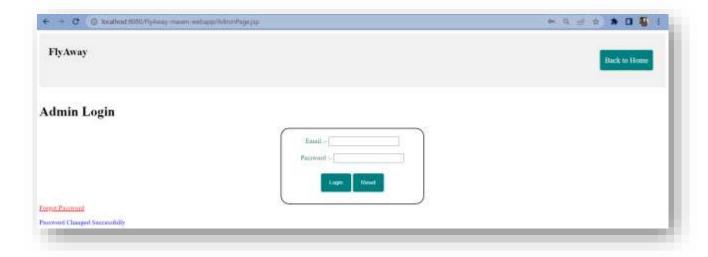
# Insert New Flight as Admin





## Create new Password as Adm



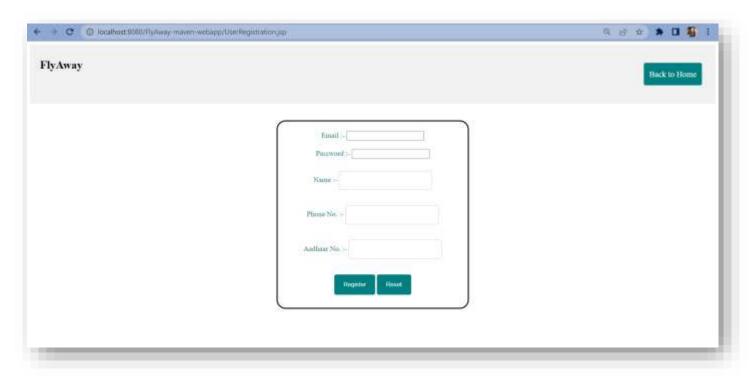


# Login or Create Account as User:

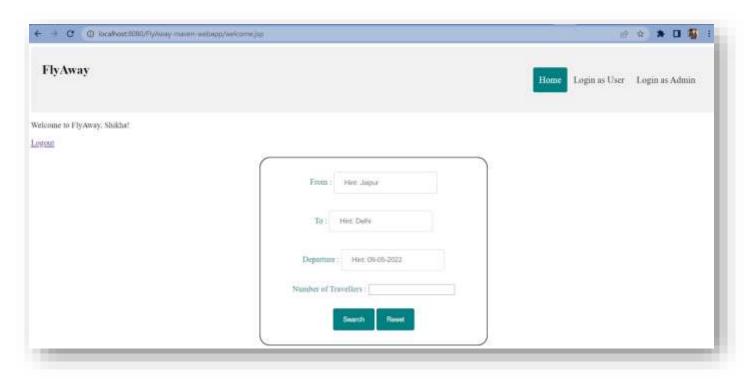
a) Login

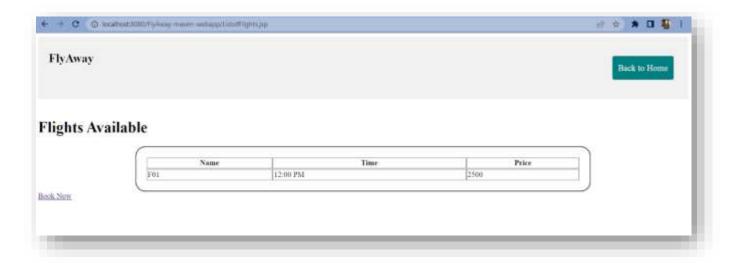


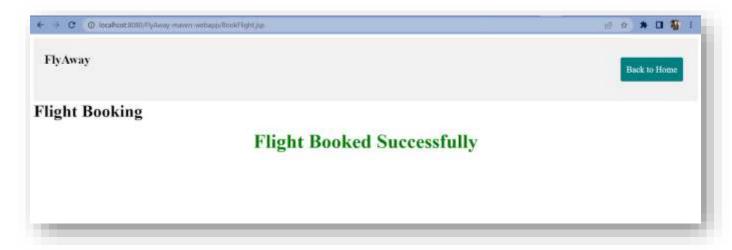
## b) Create account



# Search and Book Flight as User:







#### Pushing the code to GitHub repository

• Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

• Initialize repository using the following command:

git init

• Add all the files to your git repository using the following command:

git add.

• Commit the changes using the following command:

git commit . -m <commit message>

• Push the files to the folder you initially created using the following command:

git push -u origin master

#### **Conclusions**

An application with a sprint duration of three sprints has been developed in the programme. This application manages the *FlyAway* data. The user can create account and search or book a flight. The administrator can manipulate the flights data by logging in with an email ID and password. This application will be improved further by adding following features:

- ➤ Form/Input Validation
- ➤ Better CSS/Frontend Styles
- > Modify available flights data
- ➤ Show previous flight bookings
- > Ticket Payment