

FlyAway

An Airline Booking Portal

Developer Details

This project was developed by Ashraf M. Husain and stored in a repository in GitHub created using the email account ashhusai@cisco.com.

GitHub Repo Link: <https://github.com/AshrafMH22/FlyAway.git>

Project Details

The project consists of an application that displays a welcome screen and performs the following operations:

- A search form in the homepage to allow 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.

For the above features to work, there will be an admin backend with the following features:

- An admin login page where the admin can change the password after login, if he wishes
- 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

Sprint Planning

Three sprints will be used to complete the project. Throughout the sprint, the following tasks should be completed:

- Creating the flow of the application
- Establishing a git repository to monitor changes as the project progresses.
- Creating a Java program that complies with the project's specifications.
- Testing the Java Software with various forms of user input
- Pushing code using GitHub.

Stories created in each 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.

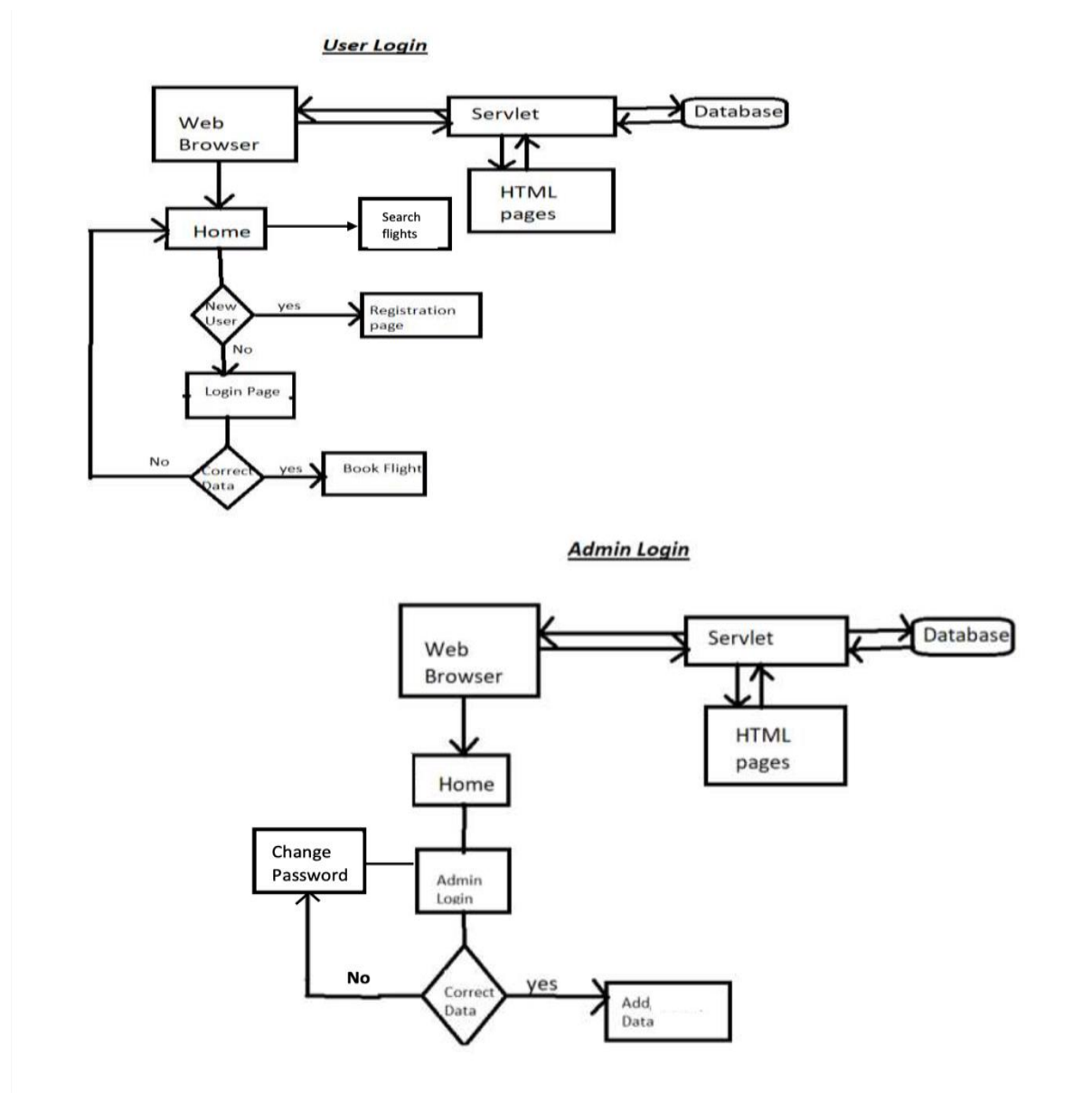
Sprint 3

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

Core Concepts used in the Project.

- File Handling
- Collections framework
- Exception Handling
- MYSQL-workbench
- Recursion
- Sorting
- Flow Control
- Object Oriented Programming
- Data Structures
- JAVA Servlet
- JSP

Flowchart of the Application



Demonstrating the product capabilities, appearance, 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.

FlyAway

Home

Login as User

Login as Admin

From :

To :

Departure :

Number of Travellers :

Search

Reset

FlyAway

Back to Home

Flights Available

Name	Time	Price
F01	12:00 PM	2500

[Book Now](#)

Admin Login

FlyAway

Back to Home

Admin Login

Email :- Admin@flyaway.com

Password :- *****

LoginReset

[Forgot Password](#)

Insert New Flight as Admin

FlyAway

Back to Home

Add New Flight

From : Delhi

To : Chennai

From : F10

To : 07:50 PM

Price : 10001

Date : 16-05-2022

AddReset

Flight added successfully

From :

To :

Name :

Time :

Price :

Date :

Add

Reset

Create New Password as Admin

FlyAway

Back to Home

Email :-

New Password :-

Change Password

Reset

FlyAway

Back to Home

Admin Login

Email :-

Password :-

Login

Reset

Forgot Password

Password Changed Successfully

Login or Create Account as User:

a) Login

FlyAway

User

Back to Home

Login as Admin

User Login

Email

shikha@flyaway.com

Password

Login

Reset

New User-Create account

[CreateAccount](#)

b) Create account

FlyAway

Back to Home

Email :-

Password :-

Name :-

Phone No. :-

Aadhaar No. :-

Register

Reset

Search and Book Flight as User:

FlyAway

[Home](#) [Login as User](#) [Login as Admin](#)

Welcome to FlyAway, Shikha!

[Logout](#)

From :

To :

Departure :

Number of Travellers :

FlyAway

Flights Available

Name	Time	Price
F01	12:00 PM	2500

[Book Now](#)

FlyAway

Flight Booking

Flight Booked Successfully

Scope for Improvement

FlyAway is a ticket-booking portal that lets people book flights on their website. This application was developed in 3 sprints. The FlyAway data is handled via this application. The user can sign up, search for flights, and book whichever he/she may find the most suitable. The following features will be added to this application to make it even better:

- Better CSS/Frontend Styles
- Form/Input Validation
- The ability to modify the information about flights that are available.
- Display earlier reservations.
- Payment gateway for the ticket.