

FlyAway (An Airline Booking Portal).

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Product Capabilities

FlyAway is a backend application for airline booking which can be used to perform the following tasks.

- Search for a flight
- Book from the searched flights
- Dummy payment Gateway for booking a flight
- Display the details of a booked flight
- Confirmation of a booking and details of the booked flight
- Admin login page where user can change password after successful login
- A master list of places with source and destination for admin
- A master list of airlines for admin
- A list of all the available flights for admin

Appearance

FlyAway has a minimalistic user interface which mainly focuses on usability and user interaction.

User Interactions

The application consists of multiple screens which can be redirected based on the user interactions.

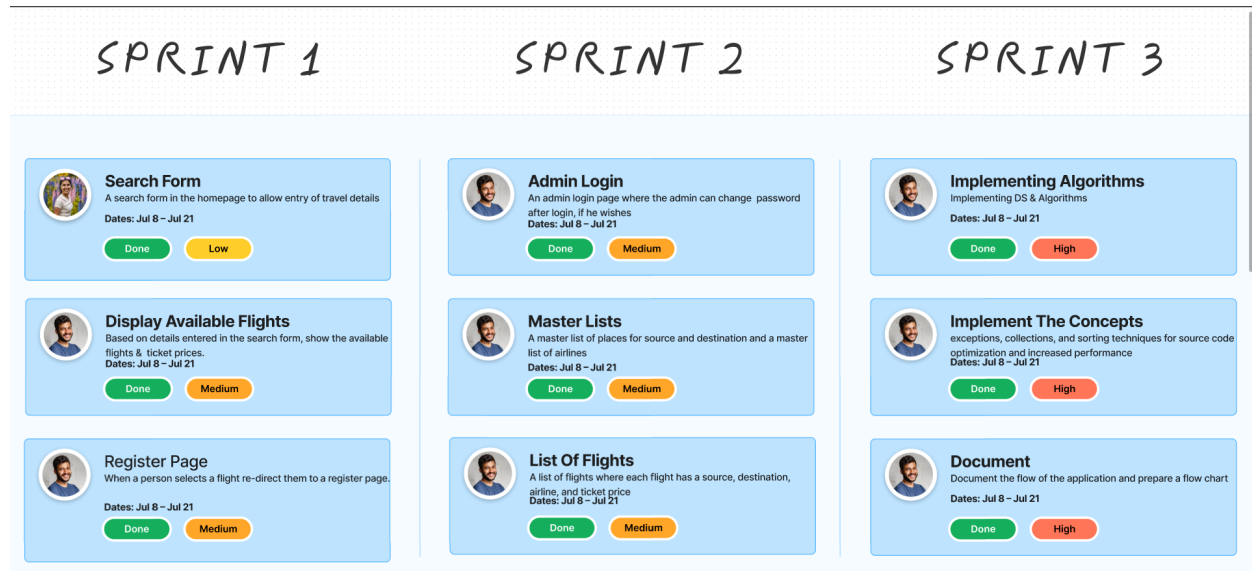
The home page consists of two separate sections user and admin, when the user selects the User section then:

- The user is directed to a search form where he can enter the flight details to search for the available flights
- After the user inputs the flight details he will be directed to a page of available flights where the user can choose from the available flights
- On selecting a flight the user is redirected to the registration page
- On successful registration the user is taken to the payment page for the selected flight
- On successful payment the user will be redirected to a confirmation page where the user can see the booking details.

When the user selects the admin section,

- The user is asked to login where he must enter the admin login details
- On successful login user can either change password or he can go the dashboard
- If the user chooses to change password he must enter the new password and login again
- If the user chooses to view the dashboard, he will be redirected to the dashboard page where he can view the details of all the flights, airlines, ticket prices and the seats available.

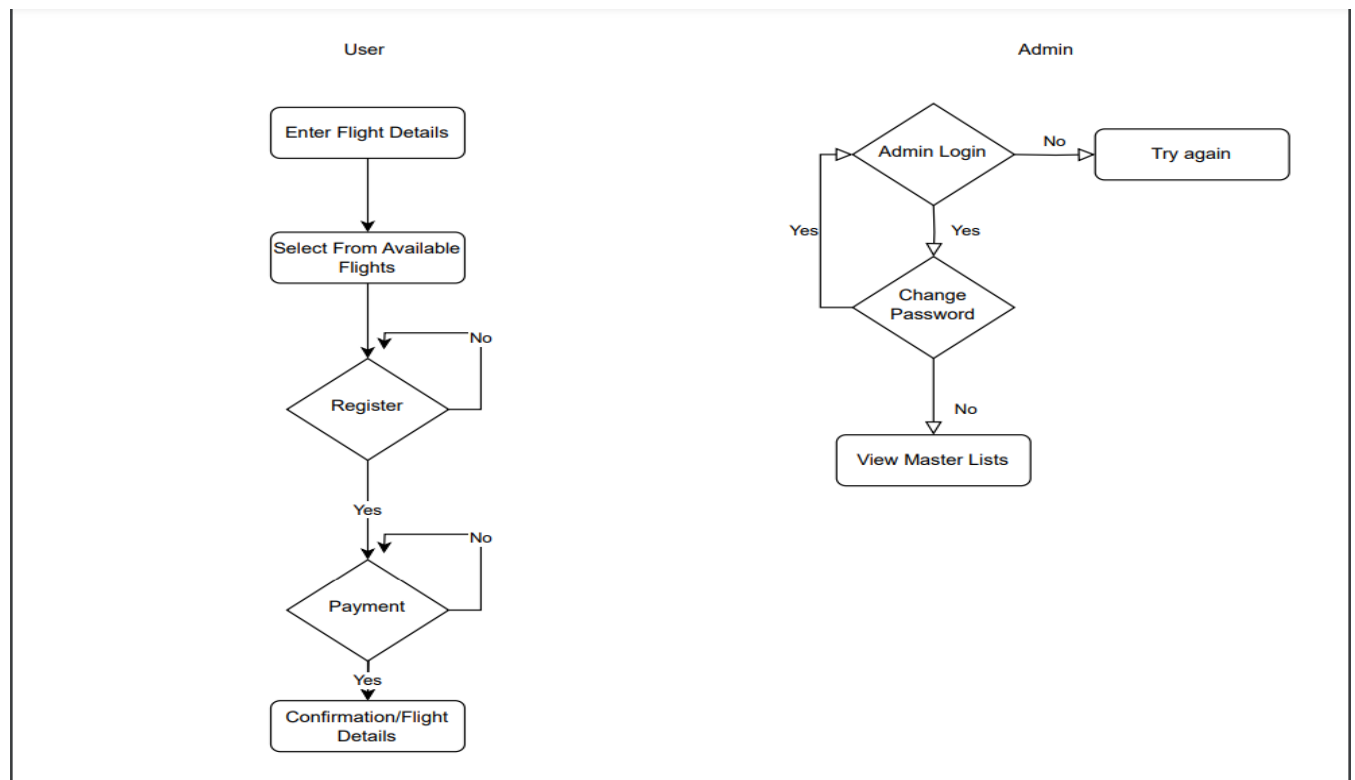
Sprint planning



Java Concepts

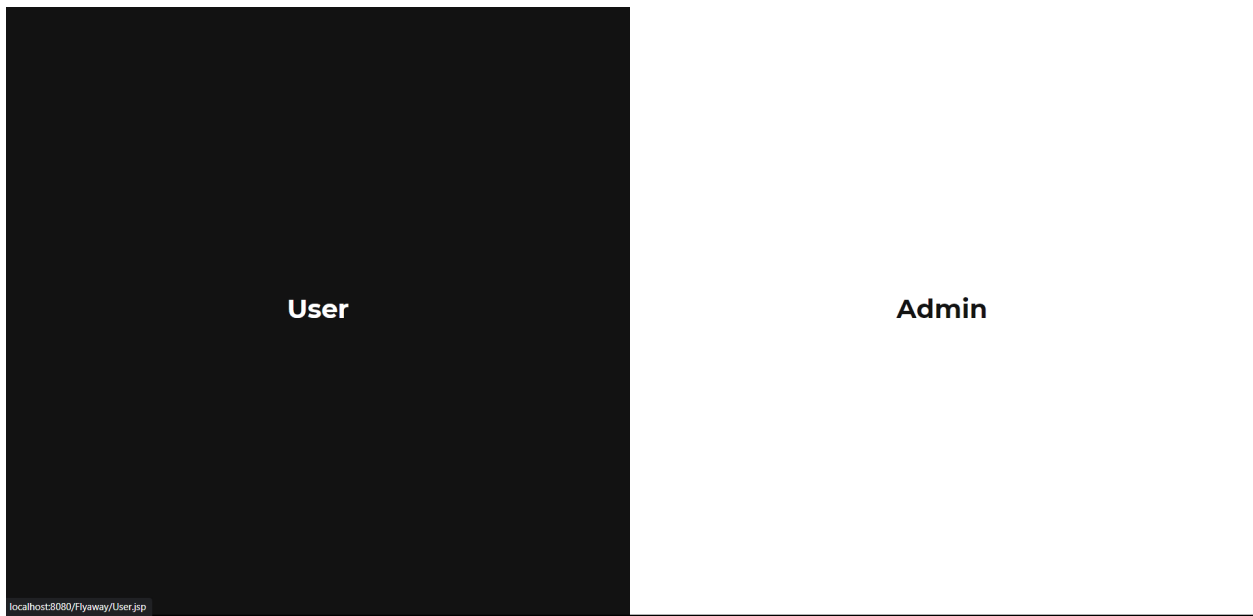
- Collections
- JDBC
- Servlets
- JSP
- Exception Handling
- Logging

Flow chart



Execution

Index page/home page



When the we click on user we are redirected to the search page

A screenshot of a web application's search page. The page has a dark blue header with the text 'FlyAway' in white. Below the header, there is a search form with four input fields: 'Source' (containing 'Mum'), 'Destination' (containing 'Del'), 'Travellers' (containing '1'), and 'Date' (containing '07-2023'). Below the input fields is a large blue button labeled 'SEARCH'.

After entering the flight details the user is directed to the available flights page

Available Flights

Airline	Source	Destination	Price	Seats	Date	Booking
Air Asia	Mum	Del	\$3500	45	2023-07-31	Book Now
Jet Airways	Mum	Del	\$4500	12	2023-07-31	Book Now

localhost:8080/flyaway/register?airline=Air+Asia&source=Mum&destination=Del&price=3500...

When the user clicks on book now he will be asked to register

Flyaway Registration

Username:

Email:

Password:

REGISTER

On registration the user will be shown the payment details

Checkout

- Balance: 1000
- Passengers: 1
- Total Amount: 3500

[Checkout](#)

localhost:8080/Flyaway/FlightDetails.jsp

Here the balance is the account balance, and the total amount is calculated by multiplying the ticket price by passengers and when the user clicks on checkout he will be taken to the confirmation page

Congratulations Your Flight Booking Has Been Confirmed Successfully!

Booking Details

Airline	Source	Destination	Travellers	Ticket Price	Total Ticket Price	Departure Date
Air Asia	Mum	Del	1	\$3500	\$3500	2023-07-31

Here the user can see the booked flight details.

Whereas when the user selects admin section in the home page he will be taken to the admin login page

Flyaway Administrator

Admin Name:

Email:

Password:

If the login fails he will be asked to try again

Invalid credentials. Please try again.

Flyaway Administrator

Admin Name:

Email:

Password:

On successful login he will be taken to the admin details page where he can either change password or view the dashboard

Admin login details

Admin User Name	admin
Email	admin@flyaway.com
Password Change Password	0000

[Flyaway Dashboard](#)

If the user selects change password then he must enter the new password and login again with the new password

New Password:

CHANGE PASSWORD

If the user clicks on the Flyaway dashboard then he can view the flight details as follows

List of places for Travelling

Source	Destination
Mum	Del
Del	Pun
Hyd	Del
Pnb	Del
Del	Hyd
Mum	Del
Del	Hyd

Available Airlines

Airlines
SpiceJet
Air India
Air Asia
Kingfisher
Jet Airways
Indigo

List of Flights

Source	Destination	Airline	Price
Mum	Del	Air Asia	3500
Del	Pun	SpiceJet	2500
Hyd	Del	Air India	4500
Pnb	Del	Indigo	4800
Del	Hyd	Kingfisher	6000
Mum	Del	Jet Airways	4500
Del	Hyd	Air Asia	3500

Unique selling points: This application is easy to use and is not as complex as other applications, the interface is minimal and there is no need to learn how to operate it. All the exceptions all handled well and it is easy to find the details that on is looking for.