# Project Detail

FlyAway is a ticket-booking portal that lets people book flights on their website.

Application must have the following features:

● 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  
  
The goal of the company is to deliver a high-end quality product as early as possible.

# Developer Detail

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Experience: 2 Years Frontend development

Country: Singapore

# Sprint Planning

Total number of Sprints: 2

Sprint 1 – 3 Aug 2022 to 10 July 2022

Sprint 2 – 10 Aug 2022 to 17 Aug 2022

Total number of user Stories: 5

Total number of task: 9

|  |  |  |  |
| --- | --- | --- | --- |
| Sprint | User Story | Tasks | Story point |
| 1 | I want to create user/admin login | - user/admin login interface  - user/admin login handler | 3 |
| 1 | I want to create all database content | - create all tables with appropriate schemas  - Insert mock data | 8 |
| 1 | I want to create search flight | - search flight interface  - search flight handler  - flight details interface | 5 |
| 1 | I want to create register user details | - Logic to handle flight details to register page without JS  - Register user detail interface  - Register user detail handler | 5 |
| 2 | I want to create review details | - Review detail interface | 3 |
| 2 | I want to create payment page | - payment interface | 3 |
| 2 | I want to create admin dashboard | - admin dashboard interface  - admin dashboard handler | 3 |
| 2 | I want to create admin change password | - admin change password interface  - admin change password handler | 3 |
| 2 | I want to create search user travel history for admin view | - user history interface  - user history handler | 3 |
| 2 | I want to create documentation for this application | - Create functional specification for this application | 5 |

# Flowchart of application

## Admin Flow

Admin Login Page

Admin Dashboard

Change Password

Search user travel history

## User Flow

User Login

Confirmation

Search Flights

Payment

Flight Details

Review Details

Register Detail

# Core concepts used in project

* JSP and JSTL
* JDBC and SQL syntax
* HTML and simple CSS
* For Each loop

# Github Link

https://github.com/kohchanwen/kohchanwen-Simplilearn\_BE\_Project/tree/master

# Conclusion

Airline Booking is a simple server-side web application that allows user to book flights through us. User has a variety of flights to choose from based on their search criteria. It also has admin feature where they are able to search travel history of registered users.