

FlyAway - An Airline Booking Portal

Specification Document

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Introduction

- This is the project report for the Project “FlyAway (An Airline Booking Portal)” under “PG FSD Become a back-end expert” course of Post Graduate Program in Full Stack Web Development from Simplilearn.
- Project submitted by : Krishnaveni Rajan
- Email Id: krishnaveni07.rajan@gmail.com
- Submission Date: 16-June-2022
- Language/Tools Used : Java, Servlets, JSP, HTML, Maven, Dynamic Web Project written in Eclipse and committed to GitHub
- SCDL : Agile Scrum

Problem Statement

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

Features Requirements

- 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.

Software Development Life Cycle

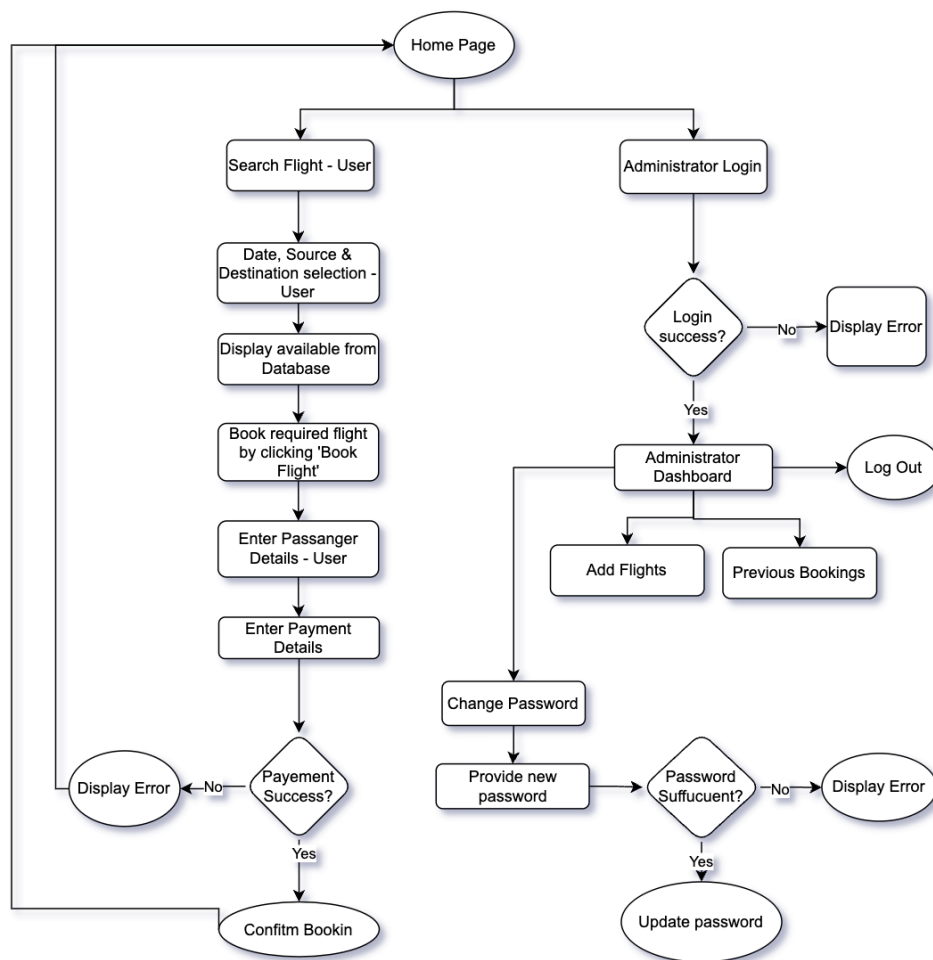
This project uses the Agile Scrum methodology for the Software Development Life Cycle.

- Total no. of Sprints -3
- Duration of the Sprint – 5 days each
- No. of Resources
 - Dev – 2, QA – 1

Concepts Used

- Servlet Mappings
- HTML
- Servlets
- JSP
- JDBC connectivity
- Exception Handling
- Constructor

FlowChart



Conclusion

Using HTML, Servlets, JSP, Web xml mappings and Maven for adding dependencies, it was feasible and easy to make the 'FlyAway' ticket booking website the user interaction and

simple authentication. It was easy to implement when the tasks are clear, requirement is well understood and implemented with an idea of how to do and which feature to use.

GitHub Link : <https://github.com/krajan07/FlyAway>