**Documentation**

**Project Details:**

The project aims to let travelers book an air ticket to their preferred destination by using this dynamic website Flyway.

**Developer Details: Shubhi Sinha, Full Stack Developer (Java)**

**Product Capabilities**

● 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.

**Sprints**

Number of sprints planned – 2

Tasks to be completed under Sprint 1:

Designing the overall prototype of website which includes the frontend part and all the pages which will be displayed to the user after every specific option selection.

Tasks to be completed under Sprint 2:

This sprint will include all the backend processing steps which will comprise:

● 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

**Flowchart**

WELCOME SCREEN

With flight booking & Admin login links

Flight Booking

Enter the source and destination for availability

Flight details of the flight available

Entering the personal details for booking

Payment Page

Booking Confirmation

**Core concepts used in the project**

* + 1. **Maven Project**
    2. **JSP (Java Server Pages)**
    3. **JSTL**
    4. **HTML**
    5. **Session Object**

**Links to the GitHub repository**

[**https://github.com/shubhisinha2010/Phase1Project**](https://github.com/shubhisinha2010/Phase1Project)

**NOTE**:

The name of the database, its column names, root and password should be changed in the source code before running the code on any other machine.