# Assessment:- FlyAway(An Airline Booking Portal)

* **Project Name :- FlyAway(An Airline Booking Portal)**
* **Developer’s Name:- Asif**
* **Sprints planned and the tasks achieved in them**

Three sprints are planned with time boxed of 1 week each.

1. Time boxed meeting takes place of 8hrs where scrum team decide how to achieve all the requirements of the prototype application like product backlogs and how to deliver the product and how product can be enhanced. Understanding the concept of Agile methodology and terms related to same.
2. Creating basic implementations related to develop a prototype of a application. Deciding what java concepts, Data structure , sorting and searching are to be used to meet the requirement of the application.

Basic implementations include the following-:

* Code to display the welcome screen. It displays application name and developer’s details.
* The details of the user interface such as options displaying the user interaction information.
* Features to accept the user input to select one of the options listed.

1. **The third sprint includes business level operations that include the following points-:**

● 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.

* **Core concept used in the application**

Core java concept

Collection framework

Exception handling

File handling

While loop

ArrayList

* **Advance java Concept**

JDBC : To make connection with the database

Servlet : It receives request of client(any web browser) handles it and returns response to the client

Jsp : It helps to write java code in web page using scriptlet tag

* **MySQL**

Mysql database is used to store user’s details as well as admin’s login details. It also contains dummy data related to available flights

Database

flyaway

Tables

1. adminlogindetails(EmailId, password)
2. bookingdetails(booking\_id,flight\_Number,class,travel\_date,No\_of\_passengers,total\_fare,customer\_id,airline,source, destination,status)
3. class\_fare(flightNo,fare,fclass)
4. flight\_details(flightNo,airline,weekdays,src\_airport\_code,dest\_airport\_code)
5. register(fName,lName,email,pass,Phonenumber,customer\_id)

* **Link to the GitHub repository**

https://github.com/AsifQureshi04/Virtual-Key-Repository/upload