**Backend Admin for Learner’s Academy.**

## Project Details

This project was done to fulfil the mandatory criteria of end of phase 2 of Simpli learn’s full stack java developer course.

Here as a Full Stack Developer, I have designed and developed an airline booking portal named FlyAway. Used the Git Hub repository to manage the project artefacts.

## Developer Details

This project is designed, developed & deployed to git hub by Vibhore Manjrekar, student at SimpliLearn – Full Stack Java Developer Course.

## Background of the problem statement:

FlyAway is a ticket-booking portal that lets people book flights on their website. It has two kind of pages for users and admin. Admin can manage all the flights while users can book tickets.

## Functionalities of the Web Application

* 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, the admin can change the password after login
  + 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

## Sprint Plan

### Sprint 1:

* Task 1: Create Logical flow chart
* Task 2: Create the project and import all dependencies
* Task 3: Create the index.html webpage
* Task 4: POC for drop down on JSP
* Task 5: Create Specification document, sprint plan document
* Task 6: Create the Database and all tables
* Task 6: Create Github repository

### Sprint 2:

* Task 1: Create the Html pages (View)
* Task 2: Create all servlets (Controller)
* Task 3: Create all java classes (Model)
* Task 4: Test all functionalities working as expected
* Task 5: Upload/commit the code to Github
* Task 6: Product release and share github URL for assessment

## Flowchart of the application

Please find the flowchart on below link:-

https://whimsical.com/flyaway-X6Rqv8wrcyQAibsCDo2k8B

## DB Details

All DB & table related info can be found in “DB Details.pptx” file.

## Core Concepts Used

List of core concepts for building the application:-

1. JAVA - OOPS
2. Servlets
3. HTML
4. JSP
5. JDBC
6. Maven
7. MySQL – v5.1.5
8. Git, GitHub
9. Scrum-Agile

## Git Hub Repository Link

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