

FlyAway (Airline Booking Portal)

Developed by Liladhar Patil

Email : patilliladhar210@gmail.com

GitHub link : <https://github.com/patilliladhar210/airline>

Overview :

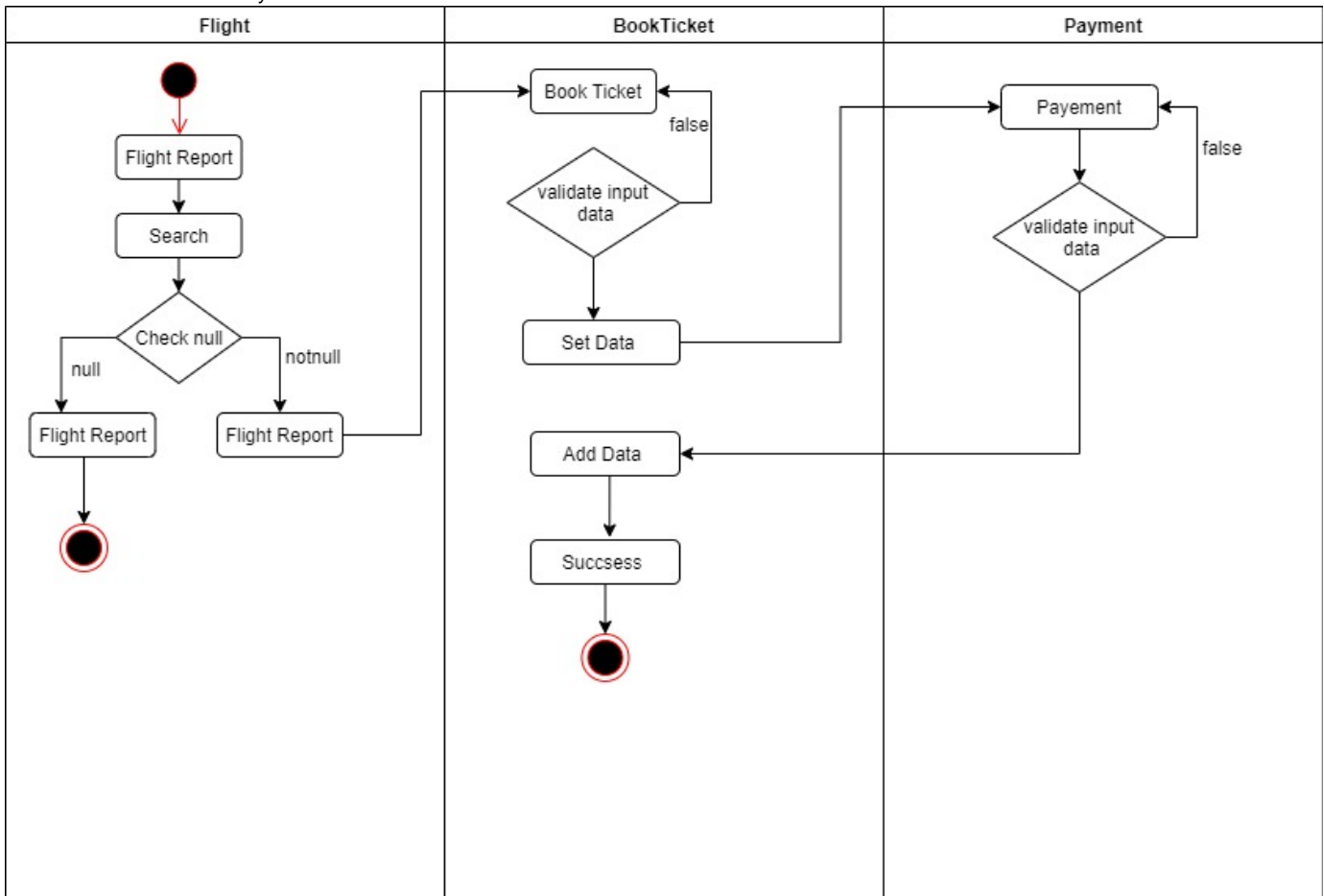
A detailed explanation of the project will be provided in this document.

Contents :

1. Flowchart
2. Algorithm
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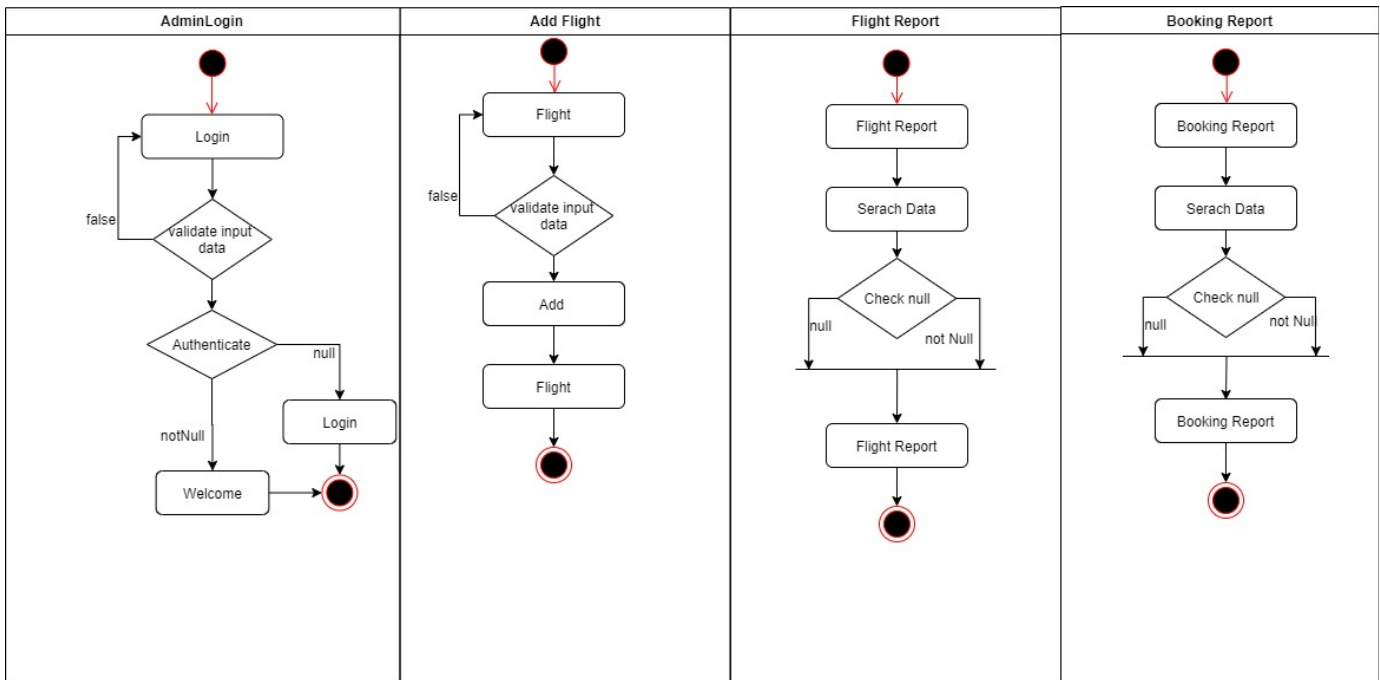
1. Flowcharts :

- Flowchart for Activity on User Side:



(Image attached separately on GitHub and Simplilearn)

- Flowchart for Activity on Admin Side:



(Image attached separately on GitHub and Simplilearn)

3. Algorithm :

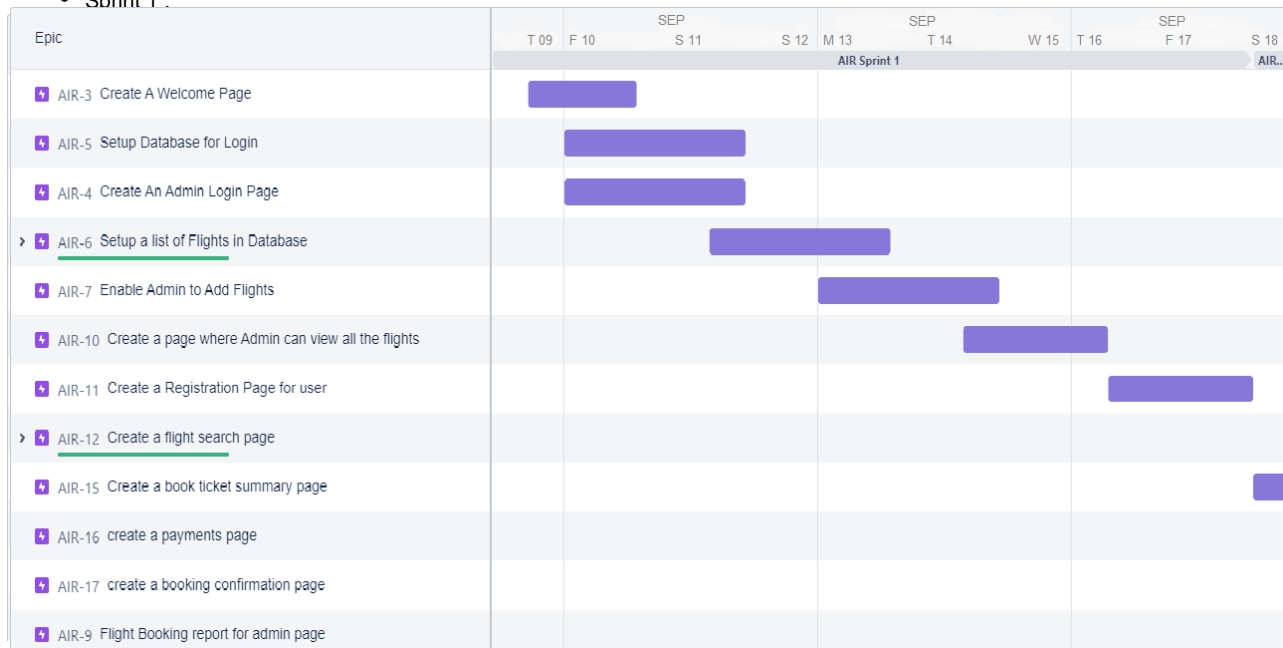
- Welcome page displays the name of the project.
- The Header file (available through all the pages) displays 4 options namely:
 - Home - To take the user to Home page.
 - Flight - Enables user to search for flight using Source, Destination and Dates.
 - Login -
 - Admin can login using admins login and password to access Admin Features.
 - User can register themselves if not already done so, and can login.
- The Footer file includes the name of Developer and Simplilearns name (available through all the pages).
- **On User Side :**
 - Based on the travel details entered in the Flights section, the available flights are shown to the user.
 - Once the user selects a flight to book, they are taken to a Login/register page where they must either login if already registered or fill in their personal details to Register.
 - A demo user login details is as follows:
 - Username : Abc@gmail.com
 - Password : Abc@123
 - In the next page, user is shown the flight details of the flight that they are booking.
 - User is shown a dummy payment gateway to make a dummy payment.
 - On completion of the payment, user is shown a confirmation page with the details of the booking.
- **On Admin Side** (Includes additional features, not specified in project requirements) :
 - Admin can Login using the same Login page on the Header.
 - Admin Login and Passwords are as follows :
 - Username : Admin@gmail.com
 - Password : Admin@123
 - Admin has the options to add a flight by entering all its details.
 - Admin can edit existing flights as well.
 - Admin can view all the existing flights and the booking report for the flight.
- **On the Database :**
 - A list of all the Flights with all the details of Source, Destination and cost etc..
 - A list of all the bookings made.
 - A list of all the users registered.

- **Additional Features :**
 - Logout option available on the Header itself.
 - Header greets the logged in person as “Hi, Username”
 - If no account is logged in, the header greets as “Hi, Guest”.
 - Password must have :
 - 1 special case character.
 - 1 uppercase character.
 - 1 number.

4. Sprint Planning :

- Incase the images are not readable be advised that All Images attached separately on GitHub and Simplilearn submission form as well.
- These images represent the sprints planned, each image is for an individual sprint.
- Each sprint represent the start and completion date, actions taken, and the time spent on each action in graphical form.

- **Sprint 1 :**



- **Sprint 2 :**

Epic	SEP												SEP				OCT		
	S18	S19	M20	T21	W22	T23	F24	S25	S26	M27	T28	W29	T30	F01	S02	S03			
	AIR Sprint 2																AIR...		
⚡ AIR-3 Create A Welcome Page																			
⚡ AIR-5 Setup Database for Login																			
⚡ AIR-4 Create An Admin Login Page																			
> ⚡ <u>AIR-6 Setup a list of Flights in Database</u>																			
⚡ AIR-7 Enable Admin to Add Flights																			
⚡ AIR-10 Create a page where Admin can view all the flights																			
⚡ AIR-11 Create a Registration Page for user																			
> ⚡ <u>AIR-12 Create a flight search page</u>																			
⚡ AIR-15 Create a book ticket summary page																			
⚡ AIR-16 create a payments page																			
⚡ AIR-17 create a booking confirmation page																			
⚡ AIR-9 Flight Booking report for admin page																			
⚡ AIR-19 Finishing and Enhancing of the project																			
⚡ AIR-18 Create Documentation																			

- Sprint 3 :

Epic	OCT										OCT				
	S03	M04	T05	W06	T07	F08	S09	S10	M11	T12	W13	T14	F15		
	AIR Sprint 3														
✦ AIR-3 Create A Welcome Page															
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5. Core Concepts Used :

Operating system : Windows Family

Front End : CSS, JSP, HTML

Back End : JAVA, Servlet, JDBC.

- CSS, JSP, HTML have been used to design the header footer and the overall design.
- Backend process have been implemented using JAVA and Servlet.
- To connect the program with the database JDBC was used.
- Database used is MYSQL.
- **Note** : you may have to change the password for the MYSQL depending on your configuration.
- For my MYSQL username is "root" and password is "password".
- The project was built using MAVEN, and all the dependencies have been added in the POM.XML file.
- MYSQL database file will be provided on the GitHub Link.

6. GitHub Link :

<https://github.com/patilliladhar210/airline>

7. Conclusion :

Successfully implemented a project to meet all the requirements mentioned. Thankyou.