

FlyAway (An Airline Booking Portal)

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GitHub link : <https://github.com/MohanishPingale/Phase2FlyAway.git>

Overview :

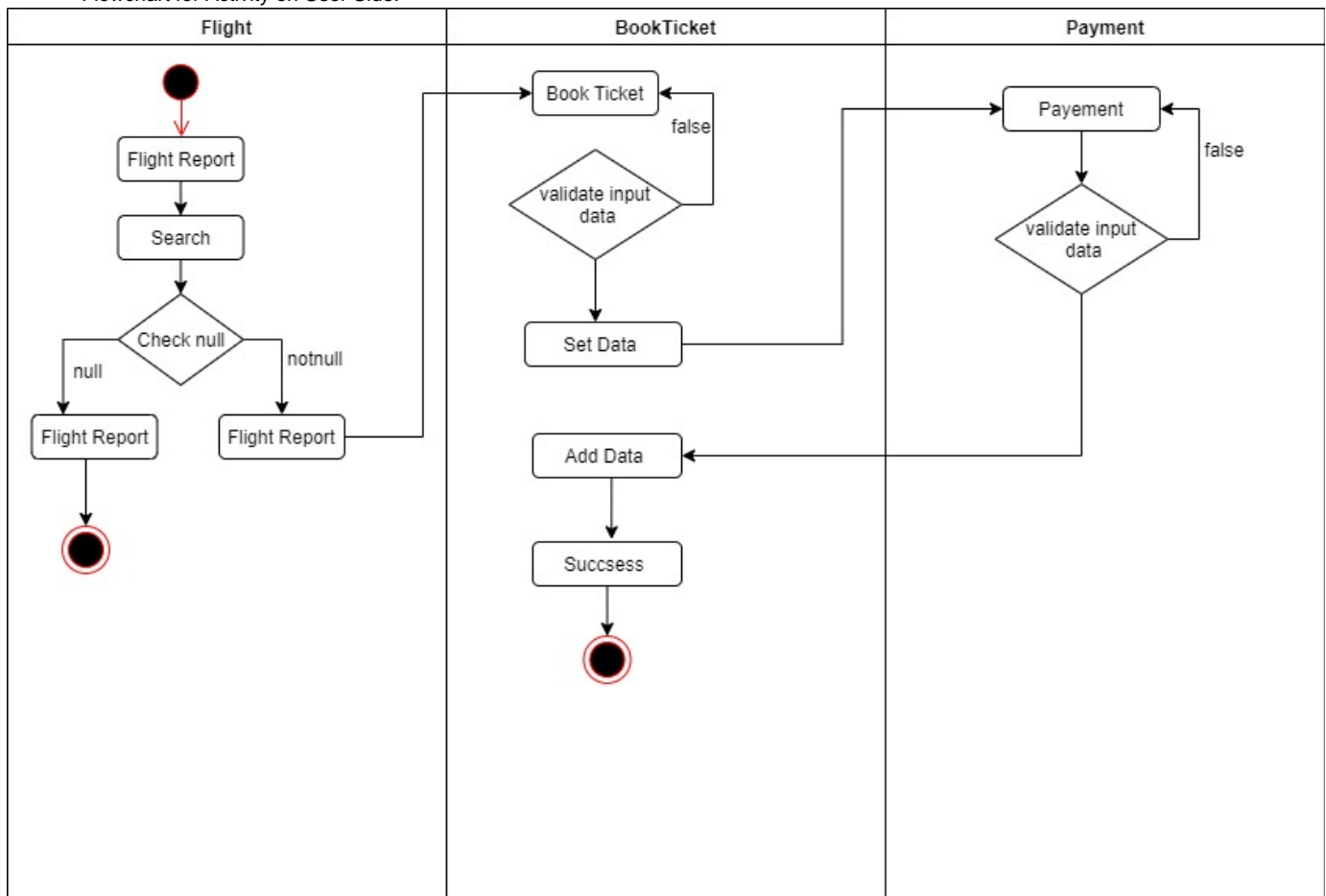
A detailed explanation of the project will be provided in this document.

Contents :

1. Flowchart
2. Algorithm
3. Sprint Planning
4. Core Concepts Used
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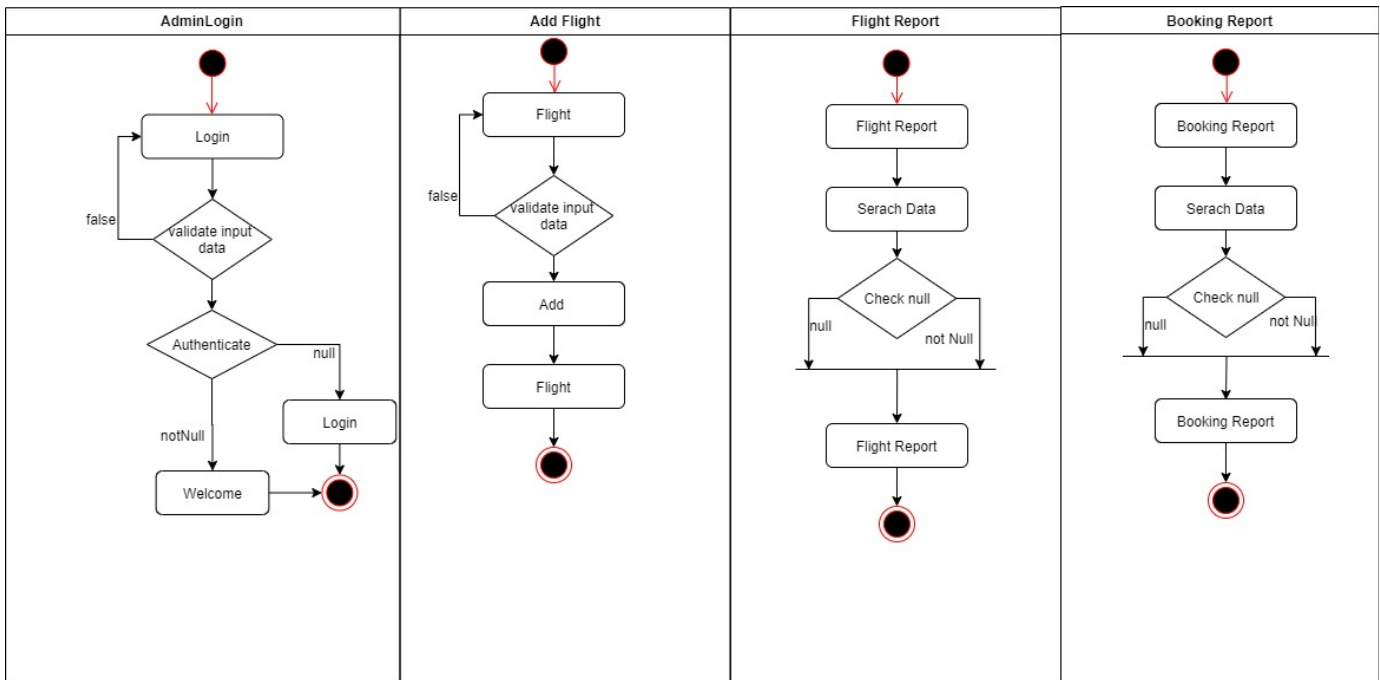
1. Flowcharts :

- 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 :**

Epic	S 19	S 20	M 21	T 22	W 23	T 24	F 25	S 26	S 27	M 28	T 29	W 30	T 1	F 2	S 3	S 4	M 5	T 6	W 7	T 8	F 9	S 10
	AIR Sprint 1																					
✦ AIR-3 Create A Welcome Page																						
✦ AIR-5 Setup Database for Login																						
✦ AIR-4 Create An Admin Login Page																						
✦ AIR-6 Setup a list of Flights in Database																						
✦ 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																						
✦ AIR-12 Create a flight search page																						
✦ 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																						

- **Sprint 2 :**

Epic	S 10	S 11	JUL							JUL						
			M 12	T 13	W 14	T 15	F 16	S 17	S 18	M 19	T 20	W 21	T 22	F 23	S 24	S 25
	AIR Sprint 2															AIR...
⚡ AIR-3 Create A Welcome Page																
⚡ AIR-5 Setup Database for Login																
⚡ AIR-4 Create An Admin Login Page																
> ⚡ AIR-6 Setup a list of Flights in Database																
⚡ AIR-7 Enable Admin to Add Flights																
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⚡ AIR-9 Flight Booking report for admin page																
⚡ AIR-19 Finishing and Enhancing of the project																
⚡ AIR-18 Create Documentation																

- Sprint 3 :

Epic	JUL							M 2
	S 25	M 26	T 27	W 28	T 29	F 30	S 31	
	AIR Sprint 3							
✚ 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								
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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/MohanishPingale/Phase2FlyAway.git>

7. Conclusion :

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