

Flyaway

Project & Developer Details

Flyaway is an airline ticket booking portal that lets people book flights on their website.

This portal has been developed by Clovis Tikum

Sprints Planned & Tasks achieved

Number

3 Sprints will be required.

Duration

Each sprint will be 1 week long

Tasks Planned

Sprint 1

- Creation of Flowchart and gathering all user requirements.
- Creation of mockups for all the screens.
- Creation of model classes for hibernate.

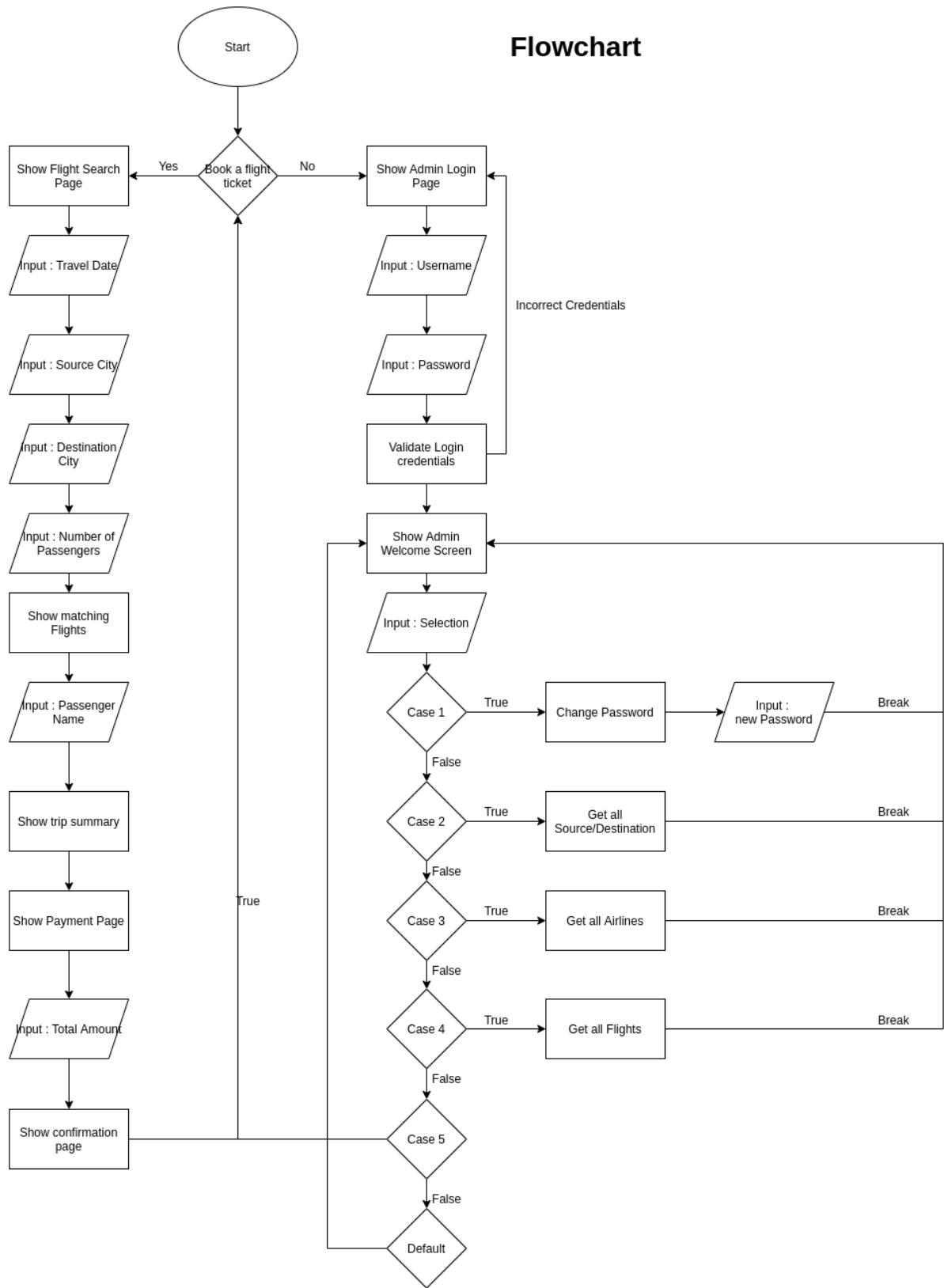
Sprint 2

- Setting up Hibernate connection to MySQL database.
- Writing servlet and jsp logic for :
 - Change Admin password
 - Retrieve a listing of all sources and destinations
 - Retrieve a listing of all airlines registered in the portal
 - Retrieve a listing of all the flights with their details

Sprint 3

- Creation of ticket booking flow for the customer that includes :
 - Search form allowing the customer to enter journey details
 - Ability to view & select the flights matching the journey plan.
 - Summary page listing all the passenger details & the flight details
 - Payment page
 - Confirmation page

Flowchart



Core Concepts Used

- Servlet
- JSP
- Hibernate
- Exception Handling
- Abstraction
- Encapsulation
- Collections
- Lambdas
- Maven
- HTML, CSS, JS, Bootstrap

Data Structures Used

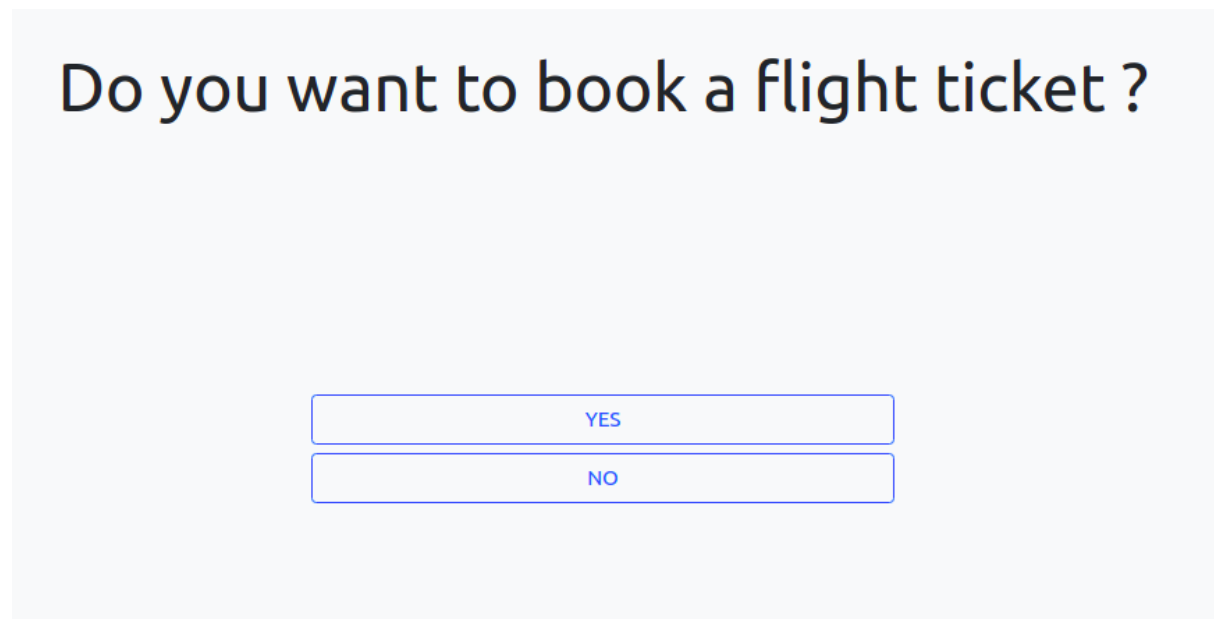
- HashMap
- ArrayList
- HashSet

Github Repository Link

<https://github.com/tikumclovis/FlyAway.git>

Screenshots

Welcome Screen



A screenshot of a light gray rectangular box containing a question and two buttons. The question is "Do you want to book a flight ticket ?" in a large, dark blue font. Below the question are two stacked buttons with blue borders. The top button is labeled "YES" and the bottom button is labeled "NO", both in blue uppercase text.

Do you want to book a flight ticket ?

YES

NO

Flight Search Page

Enter your travel details

Travel Date:

09/04/2021



From:

New York City



To:

Los Angeles



Seats

1

Submit

Available Flights

Choose the flight that you would like to book

	Name	Airline	Price
<input checked="" type="radio"/>	F1	Delta Air Lines	500
<input type="radio"/>	F4	JetBlue	650

Enter passenger details

Passenger 1 Name

Summary Page

Here are the details of your booking :

Passenger Name	Source	Destination	TravelDate	Price	Airline
Joey	New York City	Los Angeles	2021-04-09	500	Delta Air Lines

Your total amount is 500

Congratulations!!

Your tickets have been booked

Admin Login Page

Welcome Admin

Name:

Password:

Admin Welcome Screen

Select an option from below

- ☐ Change Password
- ☐ Get List of all Sources / Destinations
- ☐ Get List of all Airlines
- ☐ Get List of all Flights

Submit

Admin - Change Password

Select an option from below

- ☐ Change Password
- ☐ Get List of all Sources / Destinations
- ☐ Get List of all Airlines
- ☐ Get List of all Flights

Submit

Enter new password

Password:

Submit

Admin - Get All Sources / Destinations

Select an option from below

- ☐ Change Password
- ☐ Get List of all Sources / Destinations
- ☐ Get List of all Airlines
- ☐ Get List of all Flights

Submit

#	City
1	New York City
2	Los Angeles
3	Indianapolis

Admin - Get All Airlines

Select an option from below

- ☐ Change Password
- ☐ Get List of all Sources / Destinations
- ☐ Get List of all Airlines
- ☐ Get List of all Flights

Submit

#	Airline
1	Delta Air Lines
2	American Airlines
3	JetBlue

Admin - Get All Flights

Select an option from below

- ☐ Change Password
- ☐ Get List of all Sources / Destinations
- ☐ Get List of all Airlines
- ☐ Get List of all Flights

Submit

#	Name	Source	Destination	Airline	Price
1	F1	New York City	Los Angeles	Delta Air Lines	500
2	F4	New York City	Los Angeles	JetBlue	650
3	F2	Los Angeles	New York City	JetBlue	650