Airline Reservation Management Workflow
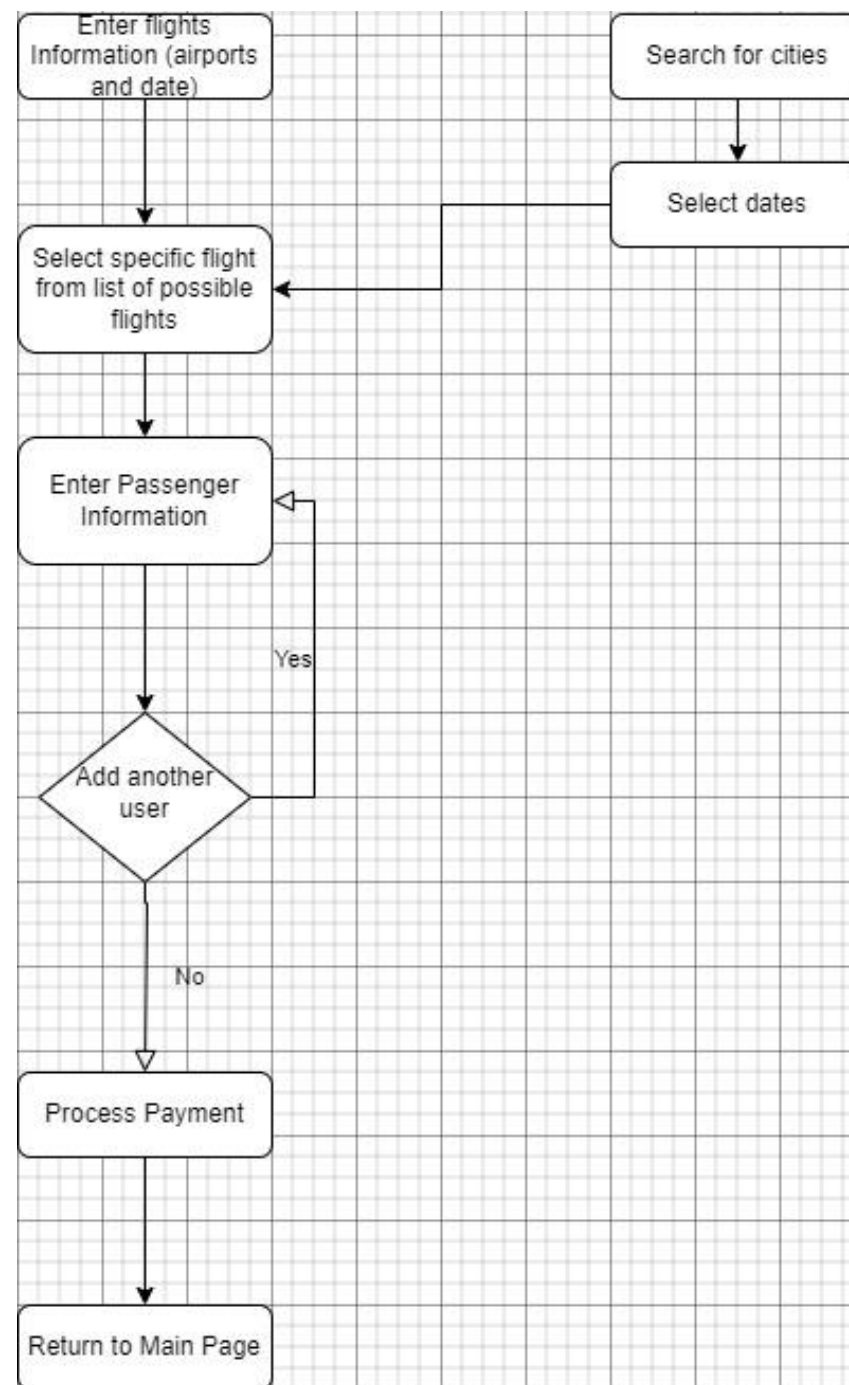
Adnane Habib

PG FSD Backend Expert

Agile

- Sprint 1: Build database and build interface to connect to database and search flight

- Sprint 2: Management reservation and payment and saving data in Database

- Spring 3: Adding search by cities

Flowchart

Enter flights Information (airports and date)

Search for cities

Select dates

Select specific flight from list of possible flights

Enter Passenger Information

Add another user

Yes

No

Process Payment

Return to Main Page

Screenshots

Searching for flight

localhost:18080/AirLineBookingPortal/

Select Your Flight

If you know the airport IATA code, use the form below

Departure Airport: SEA

Destination Airport: ANC

Departure Date Month (1 to 3): 2

Departure Date Day (1 to 31): 1

Submit

If you prefer searching for the airport code, use the form below

Departure City:

Destination City:

Submit

Screenshots

Selecting flight

LIST of FLIGHTS

ID	Departure From	Flying to	DATE	Price (USD)	Booking URL
470192	SEA	ANC	2//1	$ 567.63	book here
471578	SEA	ANC	2//1	$ 509.86	book here
472561	SEA	ANC	2//1	$ 529.90	book here
473624	SEA	ANC	2//1	$ 591.06	book here
474925	SEA	ANC	2//1	$ 478.00	book here
475336	SEA	ANC	2//1	$ 510.50	book here
477285	SEA	ANC	2//1	$ 520.18	book here
477882	SEA	ANC	2//1	$ 430.14	book here
478802	SEA	ANC	2//1	$ 502.51	book here
481118	SEA	ANC	2//1	$ 562.25	book here
482778	SEA	ANC	2//1	$ 492.35	book here
483067	SEA	ANC	2//1	$ 464.96	book here
483300	SEA	ANC	2//1	$ 475.16	book here
483349	SEA	ANC	2//1	$ 482.09	book here

Back Home

Screenshots

Booking flight

localhost:18080/AirLineBookingPortal/booking.jsp

Select Your Flight

You are about to book the following flight:

Flight Number AS85
From: SEA TO : ANC
Traveling on 02/01 AT 1020
Ticket Cost is 591.06US$

To Book a seat, fill out the following information

Passenger First Name [ ]
Passenger Last Name [ ]
Date of Birth [mm / dd / yyyy]
ID or Passport Number [ ]
ID Expiry Date [mm / dd / yyyy]
Citizenship [ ]
Phone Number [ ]

Submit

Screenshots

Booking flight
Adding user

Select Your Flight

You are about to book the following flight:

Flight Number AS85
From: SEA TO : ANC
Traveling on 02/01 AT 1020
Ticket Cost is 591.06US$

To Book a seat, fill out the following information

Passenger First Name	Mohamed
Passenger Last Name	Habib
Date of Birth	05/04/2023
ID or Passport Number	1389966
ID Expiry Date	05/09/2023
Citizenship	Saudi Arabia
Phone Number	+96654654645

Submit

Screenshots

Booking flight
Adding other user

localhost:18080/AirLineBookingPortal/booking.jsp

Select Your Flight

You are about to book the following flight:

Flight Number AS85
From: SEA TO : ANC
Traveling on 02/01 AT 1020
Ticket Cost is 591.06US$

To Book a seat, fill out the following information

Your Booking ID is : Habib473624473624
You have reserved : 1 ticket(s)
The total price is : $ 591.05
Current payment balance is : $ 591.05

Process your payment

Or book another seat:

Passenger First Name	Alfa
Passenger Last Name	Blondie
Date of Birth	02/03/1981
ID or Passport Number	AC154665
ID Expiry Date	07/19/2023
Citizenship	Liberia
Phone Number	054379654645

Submit

Screenshots

Proceed with payment

Payment Processing

You are about to book the following flight:
Your Booking ID is : Habib473624473624
You have reserved : 2 ticket(s)
The total price is : $ 1182.11
Current payment balance is : $ 1182.11

You will be charged: $ 1182.11

Card Holder First Name	Adnane
Card Holder Last Name	Habib
Credit Card Number	654646464564
Expiration Month	11
Expiration year	2032
Billing Address	Alnahdah Entrance 8

Submit

Screenshots

Payment Confirmation

localhost:18080/AirLineBookingPortal/payment-confirmation.jsp
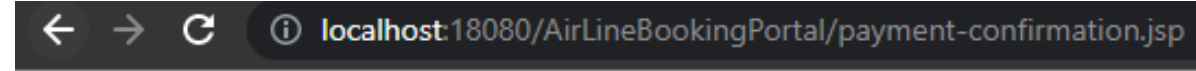
Payment Confirmation

Booking ID: Habib473624473624
Total paid: $ 1182.11
Transaction ID: Habib473624473624Habib
Go back to main page

Project Structure

Technology user

- Java
- JSP
- Java-EE
- Servlets
- Mysql Database
- Maven dependencies management
- Hibernate

Repositories

- Github
  - https://github.com/adnane-habib/AirlineBookingPortal
- Database
  - https://drive.google.com/drive/folders/1FonzvInSlpee2oilYia4PpHgWvBG8jd3?usp=sharing
- Youtube video summary
  - https://youtu.be/AmVrnFKm7ms