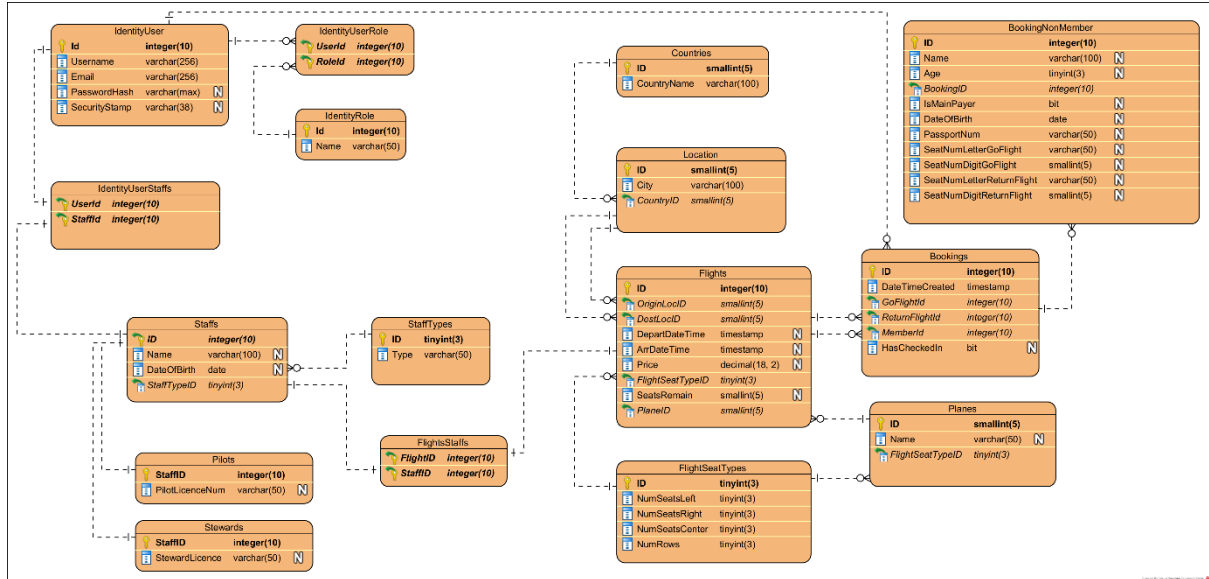


FlyAir

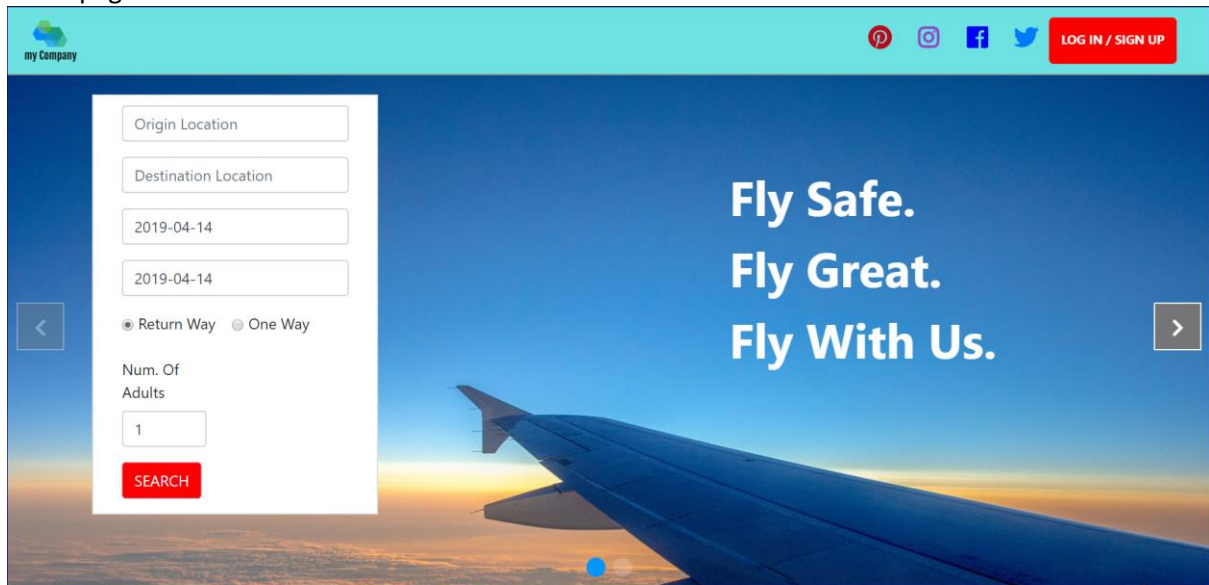
Objective: A web portal for customers to book flights/seats and to manage their bookings. This web portal also allows company employees to manage internal issues such as flight management, staff management, inventory management.

Database design:



Features:

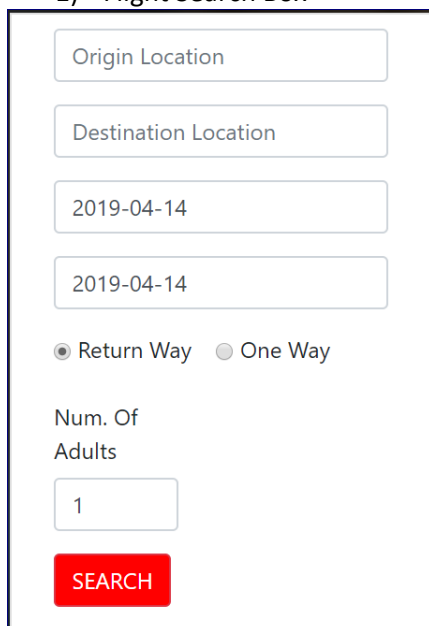
Homepage:



The homepage features a light blue header with the 'my Company' logo on the left and social media icons (Pinterest, Instagram, Facebook, Twitter) and a 'LOG IN / SIGN UP' button on the right. The main content area has a background image of an airplane wing against a sunset sky. On the left, there is a white search box with the following fields: 'Origin Location', 'Destination Location', two date pickers both showing '2019-04-14', radio buttons for 'Return Way' (selected) and 'One Way', a label 'Num. Of Adults' with a value of '1', and a red 'SEARCH' button. On the right, the text 'Fly Safe. Fly Great. Fly With Us.' is displayed in white. Navigation arrows are visible on the left and right sides of the main content area.

(For Public Users)

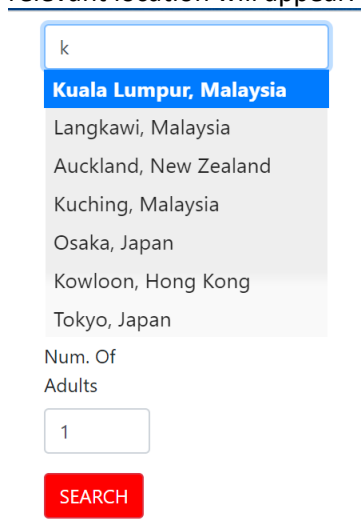
1) Flight Search Box



The Flight Search Box is a white form with a black border. It contains the following fields and controls: 'Origin Location', 'Destination Location', two date pickers both showing '2019-04-14', radio buttons for 'Return Way' (selected) and 'One Way', a label 'Num. Of Adults' with a value of '1', and a red 'SEARCH' button.

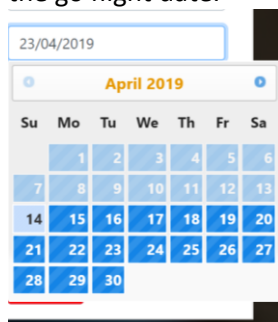
- The above search box is done using jQuery UI autocomplete plugin.

- Users only need to input initial letters of the desired destination and a dropdown with relevant location will appear. Users can then select the location which they want.



The screenshot shows a search form with a text input containing the letter 'k'. A dropdown menu is open, displaying a list of locations: Kuala Lumpur, Malaysia (highlighted in blue), Langkawi, Malaysia, Auckland, New Zealand, Kuching, Malaysia, Osaka, Japan, Kowloon, Hong Kong, and Tokyo, Japan. Below the dropdown is a label 'Num. Of Adults' followed by a text input containing the number '1'. At the bottom of the form is a red button labeled 'SEARCH'.

- Users are only limited to the names available in the database. Else, the location box will be cleared to avoid searches with no results.
- Users select dates based on the dropdown calendar. The go flight date has to be more than or equals the current date. The return flight date is limited to be always more than or equals the go flight date.



The screenshot shows a date selection interface. At the top, a text input displays the date '23/04/2019'. Below it is a calendar for 'April 2019'. The calendar has a grid with days of the week (Su, Mo, Tu, We, Th, Fr, Sa) and dates from 1 to 30. The date '23' is highlighted in blue, indicating it is the selected date.

2) Search results page

- After search criteria is entered, users go to search results page whereby users select their desired timing.

Penang, Malaysia - Singapore, Singapore

<
25/4/2019
26/4/2019
27/4/2019
28/4/2019
29/4/2019
>

Departure Time	Arrival Time	Selection
27/4/2019 1:00 PM	27/4/2019 2:30 PM	<input type="checkbox"/>

Singapore, Singapore - Penang, Malaysia

<
26/4/2019
27/4/2019
28/4/2019
29/4/2019
30/4/2019
>

Departure Time	Arrival Time	Selection
28/4/2019 9:00 PM	28/4/2019 10:30 PM	<input type="checkbox"/>

- On the same page itself, users can still navigate to other dates to see other flights available by selecting the date section above the listed flights.

Penang, Malaysia - Singapore, Singapore

<
25/4/2019
26/4/2019
27/4/2019
28/4/2019
29/4/2019
>

Departure Time	Arrival Time	Selection
27/4/2019 1:00 PM	27/4/2019 2:30 PM	<input type="checkbox"/>

Singapore, Singapore - Penang, Malaysia

<
26/4/2019
27/4/2019
28/4/2019
29/4/2019
30/4/2019
>

Departure Time	Arrival Time	Selection
28/4/2019 9:00 PM	28/4/2019 10:30 PM	<input type="checkbox"/>

- After desired flight is selected, a red tick appears at the 'Selection' column.

Penang, Malaysia - Singapore, Singapore

<
25/4/2019
26/4/2019
27/4/2019
28/4/2019
29/4/2019
>

Departure Time	Arrival Time	Selection
27/4/2019 1:00 PM	27/4/2019 2:30 PM	<input checked="" type="checkbox"/>

Singapore, Singapore - Penang, Malaysia

<
26/4/2019
27/4/2019
28/4/2019
29/4/2019
30/4/2019
>

Departure Time	Arrival Time	Selection
28/4/2019 9:00 PM	28/4/2019 10:30 PM	<input checked="" type="checkbox"/>

- Next, users will be prompted to enter guest details. It is possible to have a single user book for multiple guests. Thus, more than one guest details form will appear for such cases.

Flight Details

Penang, Malaysia - Penang, Malaysia
Go Flight Departure Time: 27/4/2019 1:00:00 PM
Go Flight Arrival Time: 27/4/2019 2:30:00 PM

Singapore, Singapore - Singapore, Singapore
Return Flight Departure Time: 28/4/2019 9:00:00 PM
Return Flight Arrival Time: 28/4/2019 10:30:00 PM

Guest Details

Guest 1

Name *

second@abc.com

Date Of Birth *

dd/mm/yyyy

Passport ID *

- Next, users are required to confirm booking details

Confirm Booking

Guest 1

Name:	second@abc.com
Age:	0
Date Of Birth:	5/4/2019
Passport ID:	A53151

CONFIRM

EDIT

- Booking completed.

3) Member Account

- Members can manage and view their account through the manage account page. Details such as personal details and upcoming flight will also appear in this page.

Your Account Details

Email	SECOND@ABC.COM
UserName	second@abc.com
Upcoming Flight:	<div>Singapore, Singapore to Busan, South Korea 21 Apr 2019 12:00 AM</div>

Your Bookings

Change Password

- Members can view their bookings through the “Your Bookings” link. From the subsequent page, users will be able to check-in and select their flight seats. Note that only flights which have not passed will be enabled for check-in. Else, it will be shown as expired.

Your Bookings

Booking ID: 34

Go Flight

Departure Date: 21/4/2019

Departure Time: 11:00 AM

Journey: Singapore, Singapore - Ipoh, Malaysia

Check-in

Booking ID: 33

Go Flight

Departure Date: 21/4/2019

Departure Time: 12:00 AM

Journey: Singapore, Singapore - Busan, South Korea

Check-in

Booking ID: 30

Go Flight

Departure Date: 25/3/2019

Departure Time: 7:00 PM

Journey: Barcelona, Spain - Singapore, Singapore

Return Flight

Departure Date: 26/3/2019

Departure Time: 12:00 PM

Journey: Singapore, Singapore - Barcelona, Spain

EXPIRED

Booking ID: 27

Go Flight

Departure Date: 23/3/2019

Departure Time: 7:00 PM

4) Check-in and seat selection

- View:

Web Check In

Penang, Malaysia - Singapore, Singapore

Singapore, Singapore - Penang, Malaysia

SUBMIT

second@abc.com Selected Seat: Not Selected

adasdd Selected Seat: Not Selected

fdvvvv Selected Seat: Not Selected

A	B	C	D	E	F	G	H
1A	1B	1C	1D	1E	1F	1G	1H
2A	2B	2C	2D	2E	2F	2G	2H
3A	3B	3C	3D	3E	3F	3G	3H
4A	4B	4C	4D	4E	4F	4G	4H
5A	5B	5C	5D	5E	5F	5G	5H

- Users will need to select the desired flight and guest before selecting the seat.

- As users select the seats, the seat colour will appear as yellow.

Web Check In

Penang, Malaysia - Singapore, Singapore

Singapore, Singapore - Penang, Malaysia

SUBMIT

second@abc.com Selected Seat: 2D

adasdd Selected Seat: Not Selected

fdvvvv Selected Seat: Not Selected

A	B	C	D	E	F	G	H
1A	1B	1C	1D	1E	1F	1G	1H
2A	2B	2C	2D	2E	2F	2G	2H
3A	3B	3C	3D	3E	3F	3G	3H
4A	4B	4C	4D	4E	4F	4G	4H
5A	5B	5C	5D	5E	5F	5G	5H

- When user switches guest selection, the previously selected seat will be disabled for selection.

Web Check In

Penang, Malaysia - Singapore, Singapore

Singapore, Singapore - Penang, Malaysia

SUBMIT

second@abc.com Selected Seat: 2D

adasdd Selected Seat: 3F

fdvvvv Selected Seat: Not Selected

A	B	C	D	E	F	G	H
1A	1B	1C	1D	1E	1F	1G	1H
2A	2B	2C	2D	2E	2F	2G	2H
3A	3B	3C	3D	3E	3F	3G	3H
4A	4B	4C	4D	4E	4F	4G	4H
5A	5B	5C	5D	5E	5F	5G	5H

- Seat selection of different flights are independent of each other.

Web Check In

Penang, Malaysia - Singapore, Singapore

Singapore, Singapore - Penang, Malaysia

SUBMIT

second@abc.com Selected Seat: Not Selected

adasdd Selected Seat: Not Selected

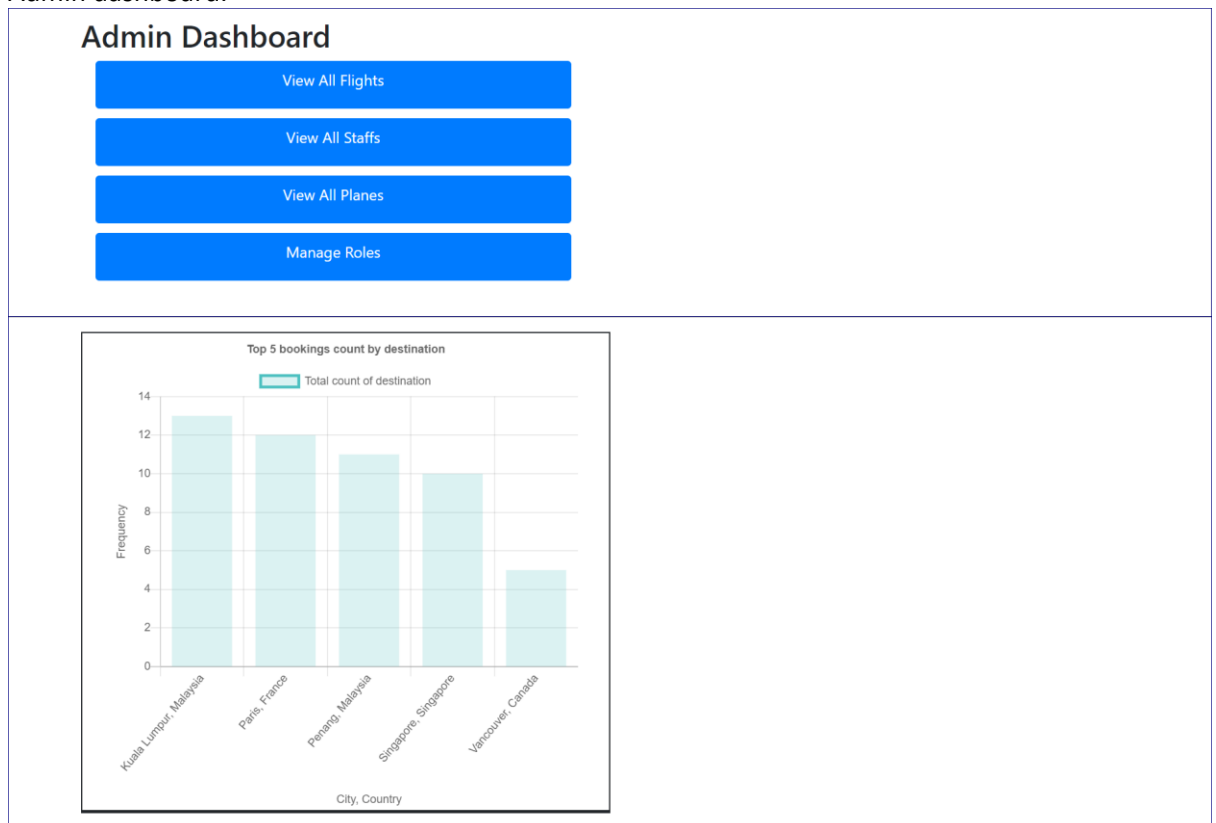
fdvvvv Selected Seat: Not Selected

A	B	C	D	E	F	G	H
1A	1B	1C	1D	1E	1F	1G	1H
2A	2B	2C	2D	2E	2F	2G	2H
3A	3B	3C	3D	3E	3F	3G	3H
4A	4B	4C	4D	4E	4F	4G	4H
5A	5B	5C	5D	5E	5F	5G	5H

- All guests' seat must be selected before user is allowed to proceed.

(For admin)

1) Admin dashboard:



- Admin able to view charts such as top 5 destination booked. This allows admin to have a quick overview on the business.

2) View All Flights

- View:

View All Flights

[Add Flight](#)

ID	DepartDateTime	ArrDateTime	Price	SeatsRemain	PlaneID	OriginLoc	DestLoc	FlightSeatType
4	20/12/2018 12:00:00 PM	20/12/2018 2:00:00 PM	0.00	0	2	Kuala Lumpur, Malaysia	Vancouver, Canada	Edit Delete Edit Staffs Edit Plane
7	22/12/2018 8:00:00 PM	23/12/2018 2:00:00 AM	0.00	0	0	Kuala Lumpur, Malaysia	Vancouver, Canada	Edit Delete Edit Staffs Edit Plane
9	21/12/2018 3:00:00 PM	21/12/2018 11:00:00 PM	0.00	0	1	Vancouver, Canada	Kuala Lumpur, Malaysia	Edit Delete Edit Staffs

- In this page, admin can view all flights and proceed to edit or delete flights. Can also edit staffs on duty for the flights and edit plane selection for the flight.

3) View All Staffs

- View:

View All Staffs				
Add New Staff				
	Name	Date Of Birth	Staff Type Name	
1	aa	3/1/2019	Pilot	Edit Details Delete Edit Role
2	bb	11/1/2019	Steward	Edit Details Delete Edit Role
3	cc	6/1/2019	Pilot	Edit Details Delete Edit Role
4	dd	6/1/2019	Pilot	Edit Details Delete Edit Role
5	ee	11/1/2019	Steward	Edit Details Delete Edit Role
6	ff	12/4/2018	Pilot	Edit Details Delete Edit Role
7	gg	8/7/2018	Pilot	Edit Details Delete Edit Role
8	hh	14/2/2013	Steward	Edit Details Delete Edit Role

- Admin is able to view, edit, add staffs from this page.

4) View All Planes

- View:

View All Planes					
Add New Plane					
	Name	FlightSeatTypeID	Left Seats	Center Seats	Right Seats
	plane 003	1	3	2	3
	plane 006	1	3	2	3
	plane 002	2	3	0	3
	plane 001	3	2	2	2
	plane 004	3	2	2	2
	plane 005	3	2	2	2

- Admin is able to view, edit plane characteristics, add new planes from this page.

5) Manage Roles

- Admin will be able to add new roles to the server from this page.

View Roles	
Id	Name
1	ADMIN
2	STAFF1
3	MEMBER
4	STAFF2
Add Role	

