

# Specification Document

## FlyAway

This project is developed by Kalviyarasi M

The source code is attached below

### Source code:

[https://github.com/kalviyarasi/Practise\\_project/tree/master/Phase1-FlyAway](https://github.com/kalviyarasi/Practise_project/tree/master/Phase1-FlyAway)

### Sprint Planning

This project is planned to complete within a week and divided into 3 sprints

Sprint 1: The outline of the project is designed-2 days

Sprint 2: Implementation part is executed -4 days

Sprint 3: Code is tested and bug fixation is done -1 day

### Core Concepts

The concepts of creating Dynamic web project, JDBC, Hibernate, JSP, JSTL is used to implement the project.

# Algorithm

**Step1:** create a dynamic web project in eclipse

**Step2:** create a package and class for the project

**Step3:** create a home page where Admin can login, user can login, new account can be created or user can directly enter into home page without creating account.

**Step4:** admin enter into admin page where admin can add new airline, new flight.

**Step5:** user login into home page and enter the source, destination, date.

**Step6:** if flight is available, then prompt to payment page.

**Step7:** the user can pay through credit card, debit card or UPI.

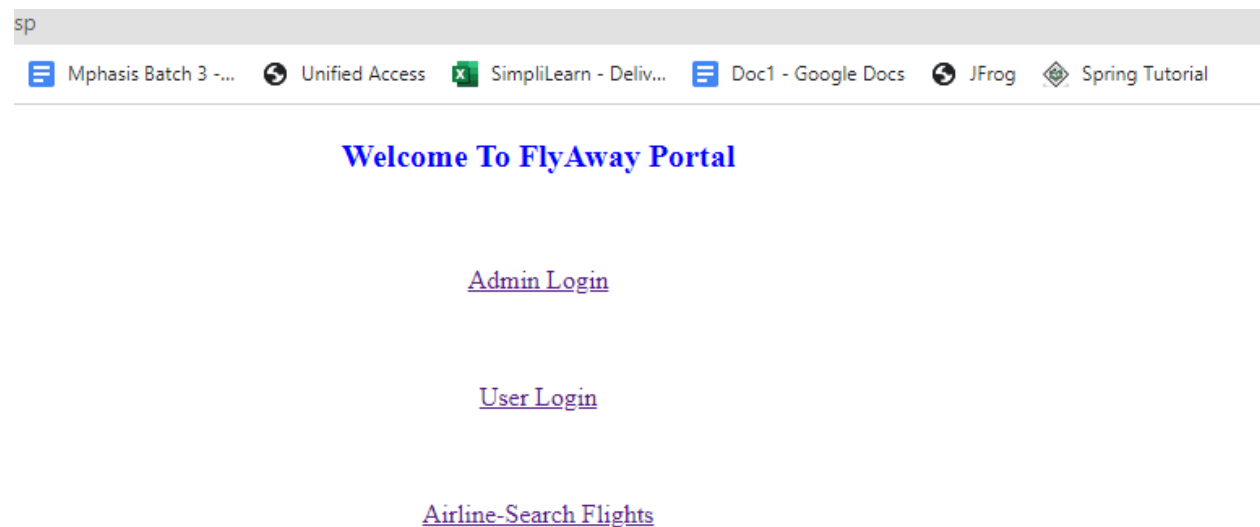
**Step8:** if payment is successful, then it prompts to booking page.

**Step9:** logout the portal after successful completion of payment.

**Step10:** If needed, then can login again and book tickets.

# Demo of the project

When the code is executed, it prompts to a window where it shows “Welcome to FlyAway Portal” as shown below.



It displays 3 options:

- If admin, then can add new flight, change the password.
- If not a user, then can create a new account, login and get into home page.
- If user is not interested to create a new account, then can directly enter into home page to book tickets.

## Admin Login

Email :-

Password :-

[Forgot Password](#)

Admin can login using the credentials and go to admin page.

## FlyAway Admin Menu

[Existing Flight Details](#)

[List of Airlines](#)

[Add Flight Detail](#)

Admin can see existing flight details, list of airlines, add new flight details

List of Flights:

| ID    | Flight Name       | Source    | Date       | price(1 Person) |
|-------|-------------------|-----------|------------|-----------------|
| 87653 | Air India Express | bangalore | mumbai     | 7500            |
| 45678 | Air India         | chennai   | cochin     | 5500            |
| 98658 | Jet Airways       | dalas     | california | 26500           |
| 87654 | Vistara           | las vegas | neyyork    | 36500           |
| 7777  | KMS               | Chennai   | Pune       | 1700            |
| 9876  | American Flight   | Chennai   | America    | 10000           |

[Back to Menu](#)

Here is the list of available flights. Admin can return to main menu if needed.

List of Airline:

| ID    | Airline Name      |
|-------|-------------------|
| 87653 | Air India Express |
| 45678 | Air India         |
| 98658 | Jet Airways       |
| 87654 | Jet Airways       |
| 7777  | KMS               |
| 9876  | American Flight   |

[Add Airline](#)

[Back to Menu](#)

List of airlines can also be viewed by admin.

Airline ID :-

Airline Name :-

Admin can add new air line

Added Successfully [Back to menu](#)

Once new airline is added successfully, it shows “Added Successfully”.


## Insert New Flight Details


ID :-

Name :-

From :-

To :-

Departure Date :-  

Time :-  

Price :-

## Admin can add new Flight Details

List of Flights:

| ID    | Flight Name       | Source    | Date       | price(1 Person) |
|-------|-------------------|-----------|------------|-----------------|
| 87653 | Air India Express | bangalore | mumbai     | 7500            |
| 45678 | Air India         | chennai   | cochin     | 5500            |
| 98658 | Jet Airways       | dalas     | california | 26500           |
| 87654 | Vistara           | las vegas | neyyork    | 36500           |
| 7777  | KMS               | Chennai   | Pune       | 1700            |
| 9876  | American Flight   | Chennai   | America    | 10000           |
| 1212  | Singapore Fly     | Delhi     | Singapore  | 4500            |

[Back to Menu](#)

Here we could see the newly added flight details in the last column.

## Admin Login

Email :-

Password :-

[Forgot Password](#)

Admin can only change the password if needed or forgot the password

## FlyAway

Email :-

New Password :-

change the password by entering email id.

## FlyAway

### User Login

Email

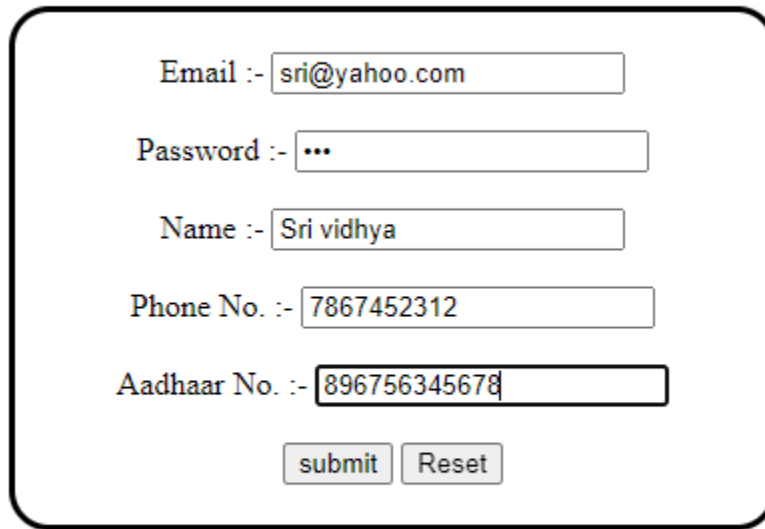
Password

*New User-Create account*

[Create Account](#)



A new account can be created by clicking “Create Account”



A registration form with a black border and rounded corners. It contains five input fields with labels to their left: 'Email :-' with 'sri@yahoo.com', 'Password :-' with '...', 'Name :-' with 'Sri vidhya', 'Phone No. :-' with '7867452312', and 'Aadhaar No. :-' with '896756345678'. At the bottom are two buttons: 'submit' and 'Reset'.

|  |  |
|--|--|
| Email :-   | <input type="text" value="sri@yahoo.com"/> |
| Password :-  | <input type="password" value="..."/>       |
| Name :-  | <input type="text" value="Sri vidhya"/>    |
| Phone No. :-   | <input type="text" value="7867452312"/>    |
| Aadhaar No. :-   | <input type="text" value="896756345678"/>  |
| <input type="button" value="submit"/> <input type="button" value="Reset"/> |  |

Enter the user details like email,password,name, phone number, aadhar number.

## FlyAway

### User Login



A login form with a black border and rounded corners. It contains two input fields with labels to their left: 'Email' with 'sri@yahoo.com' and 'Password' with '...'. At the bottom are two buttons: 'submit' and 'Reset'.

|  |  |
|--|--|
| Email  | <input type="text" value="sri@yahoo.com"/> |
| Password   | <input type="password" value="..."/>       |
| <input type="button" value="submit"/> <input type="button" value="Reset"/> |  |

*New User-Create account*

[Create Account](#)

*User Added Successfully*

Then login using email and password

## FlyAway

[Admin Login](#)

Welcome Sri vidhya

[Logout](#)

From :-

To :-

Departure Date :-

The above page is to select the booking date, source and destination

CodingBat Java | simplilearn-Mphasis | Outlook | Mphasis Batch 3 -... | Unified Access | SimpliLearn - Deliv... | Doc1 - Google Docs | JFrog | Spring Tutorial

Available Flights:

| ID   | Flight Name | Departure Date | Time  | price(1 Person) |
|------|-------------|----------------|-------|-----------------|
| 7777 | KMS         | 2022-08-22     | 07:07 | 1700            |

Note ID for Booking Flight [Book NoW](#)

If that particular flight is available, then its details are displayed as table

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## FlyAway

ENTER DETAIL FOR BOOKING:

ID :-

No of Travellers :-

Then enter number of travellers

## Flight For the Given ID

| ID   | Name | Time  | No of Person | Price |
|------|------|-------|--------------|-------|
| 7777 | KMS  | 07:07 | 2            | 3400  |

[Book Now](#)

Then user can see the details of choosen data

### PAYMENT PORTAL

[Credit Card](#)

[Debit Card](#)

[Online Payment](#)

Then it prompts to Payment Portal

### Pay through Debit Card

Card Number :-

cvv :-

Card Holder Name :-

Expiry Date&Month :-

User can pay through Debit card or credit card or through upi

### Pay Through Credit Card

Card Number :-

cvv :-

Card Holder Name :-

Expiry Date&Month :-

### Pay Through UPI

Enter UPI PIN :- 4567@oksos

submit Reset

[Search Flight](#)

[Logout](#)

### Flight Details

| ID   | Name | Time  | No of Person | Price |
|------|------|-------|--------------|-------|
| 7777 | KMS  | 07:07 | 2            | 3400  |

**Flight Booked Successfully**

If payment is successful, it prompts to the above page.

### FlyAway

[User Login](#)

[Admin Login](#)

From :-

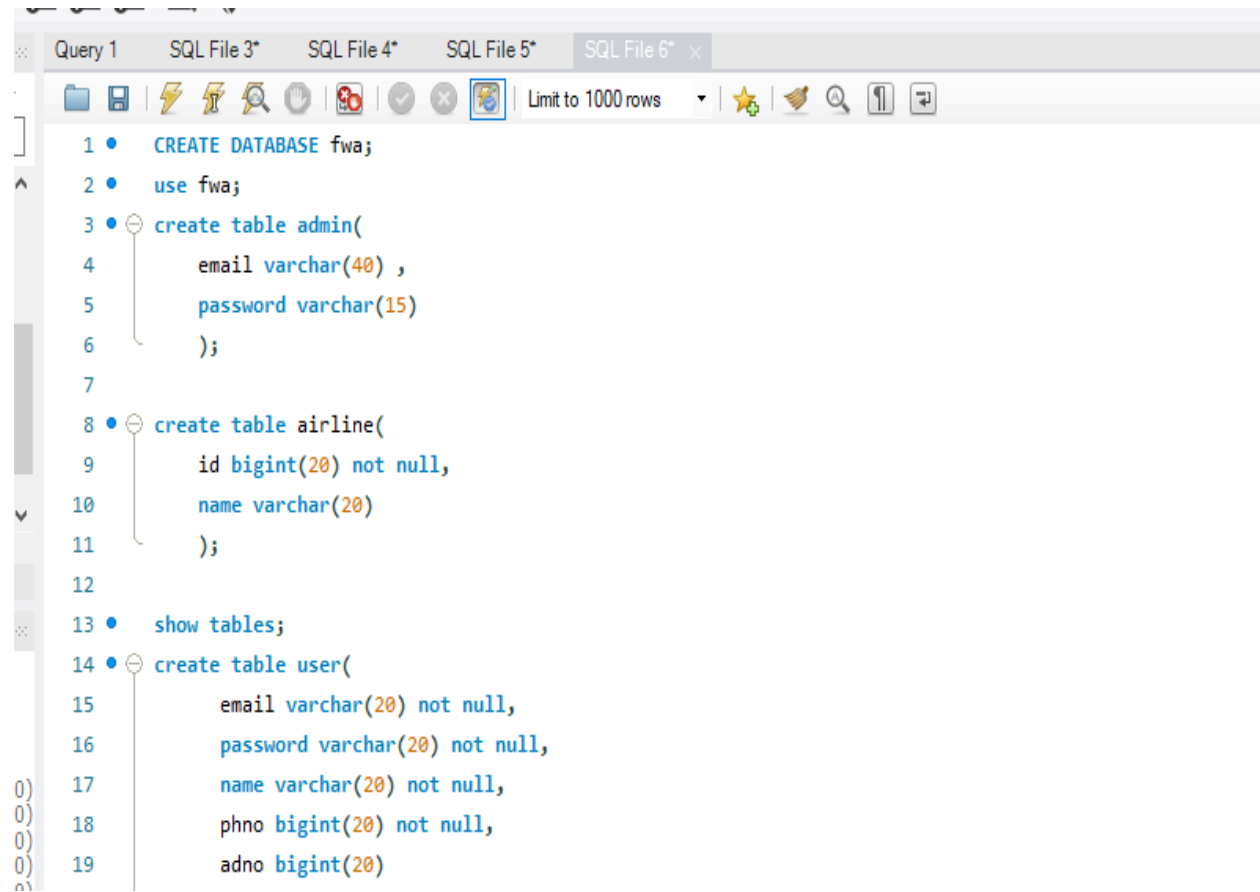
To :-

Departure Date :- mm/dd/yyyy

Search Reset

Then user can logout the portal by clicking on logout.

# MySQL



The screenshot shows a MySQL IDE window with the following SQL queries:

```
1 • CREATE DATABASE fwa;
2 • use fwa;
3 • create table admin(
4     email varchar(40) ,
5     password varchar(15)
6 );
7
8 • create table airline(
9     id bigint(20) not null,
10    name varchar(20)
11 );
12
13 • show tables;
14 • create table user(
15     email varchar(20) not null,
16     password varchar(20) not null,
17     name varchar(20) not null,
18     phno bigint(20) not null,
19     adno bigint(20)
```

The interface includes a toolbar with icons for file operations, execution, and search. The status bar at the bottom indicates "Limit to 1000 rows".

```
Query 1  SQL File 3*  SQL File 4*  SQL File 5*  SQL File 6* x
Limit to 1000 rows

27     price bigint(20),
28     ID bigint(20) not null
29 );
30
31 •     insert admin(email,password)
32     values
33     ("admin@gmail.com","admin");
34
35 •     insert airline(id , name)
36     values
37
38     (87653,"Air India Express"),
39     (45678,"Air India"),
40     (98658,"Jet Airways"),
41     (87654,"Jet Airways");
42
43     values
44
45     (87653,"Air India Express"),
46     (45678,"Air India"),
47     (98658,"Jet Airways"),
48     (87654,"Jet Airways");
49
50 •     insert into flights( name, fromf, tof, datef, timef, price, id)
51     values
52
53     ("Air India Express", "bangalore" ,"mumbai" ,"15-08-2022" ,"3:00-4:00",7500,87653),
54     ("Air India " , "chennai" ,"cochin" ,"15-08-2022" ,"5:00-7:00",5500,45678),
55     ("Jet Airways"      , "dalas"      ,"california","15-08-2022","7:00-9:00",26500,98658),
56     ("Vistara"          , "las vegas" ,"neyyork","15-08-2022" ,"8:00-10:00",36500,87654);
57
58 •     select * from flights;
59 •     select * from user;
60 •     select * from admin;
61 •     select * from airline;
```

```

51 • select * from flights;
52 • select * from user;

```

|   | email           | password | name          | phno       | adno         |
|---|-----------------|----------|---------------|------------|--------------|
| ▶ | kalvi@gmail.com | kalvi    | Kalviyarasi M | 1234512345 | 678945671234 |
|   | sri@yahoo.com   | sri      | Sri vidhya    | 7867452312 | 896756345678 |

We could see the new user “sri Vidhya” created in the above table

```

51 • select * from flights;

```

|   | name              | fromf     | tof        | datef      | timef      | price | ID    |
|---|-------------------|-----------|------------|------------|------------|-------|-------|
| ▶ | Air India Express | bangalore | mumbai     | 15-08-2022 | 3:00-4:00  | 7500  | 87653 |
|   | Air India         | chennai   | cochin     | 15-08-2022 | 5:00-7:00  | 5500  | 45678 |
|   | Jet Airways       | dalas     | california | 15-08-2022 | 7:00-9:00  | 26500 | 98658 |
|   | Vistara           | las vegas | neyyork    | 15-08-2022 | 8:00-10:00 | 36500 | 87654 |
|   | KMS               | Chennai   | Pune       | 2022-08-22 | 07:07      | 1700  | 7777  |
|   | American Flight   | Chennai   | America    | 2022-08-22 | 05:10      | 10000 | 9876  |
|   | Singapore Fly     | Delhi     | Singapore  | 2022-08-23 | 08:30      | 4500  | 1212  |

flights 11 x

Admin added new flight details, we could see data added in the database.

```

51 • select * from flights;
52 • select * from user;
53 • select * from admin;




```

|   | email           | password |
|---|-----------------|----------|
| ▶ | admin@gmail.com | admin    |




```
51 • select * from flights;
52 • select * from user;
53 • select * from admin;
54 • select * from airline;
```

<

Result Grid   Filter Rows:  Export: 

|   | id    | name              |
|---|-------|-------------------|
| ▶ | 87653 | Air India Express |
|   | 45678 | Air India         |
|   | 98658 | Jet Airways       |
|   | 87654 | Jet Airways       |
|   | 7777  | KMS               |
|   | 9876  | American Flight   |
|   | 1212  | Singapore Fly     |

airline 13 × 

**We could see the airline added by admin in the above table.**