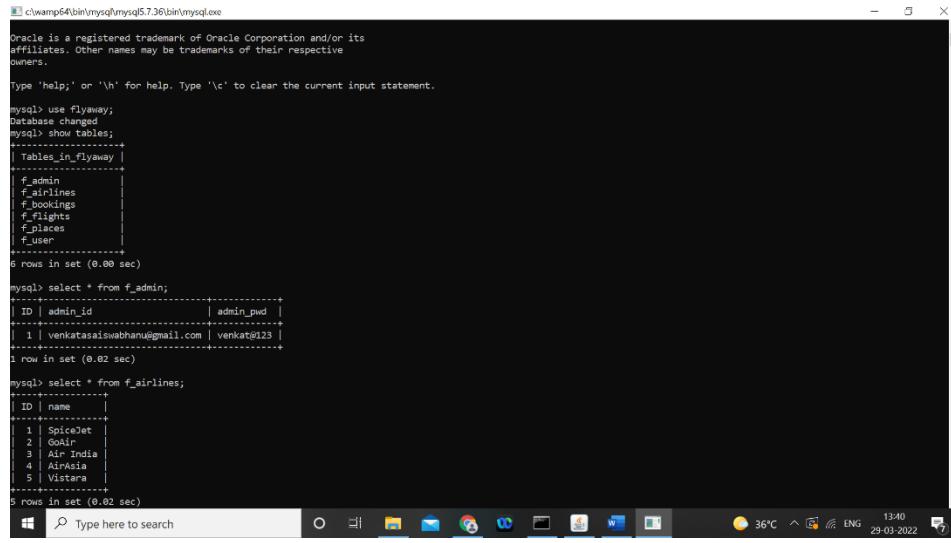


## Capstone Project - Testing an Airline Booking Website – Output Screenshots

### SQL Database :-



```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

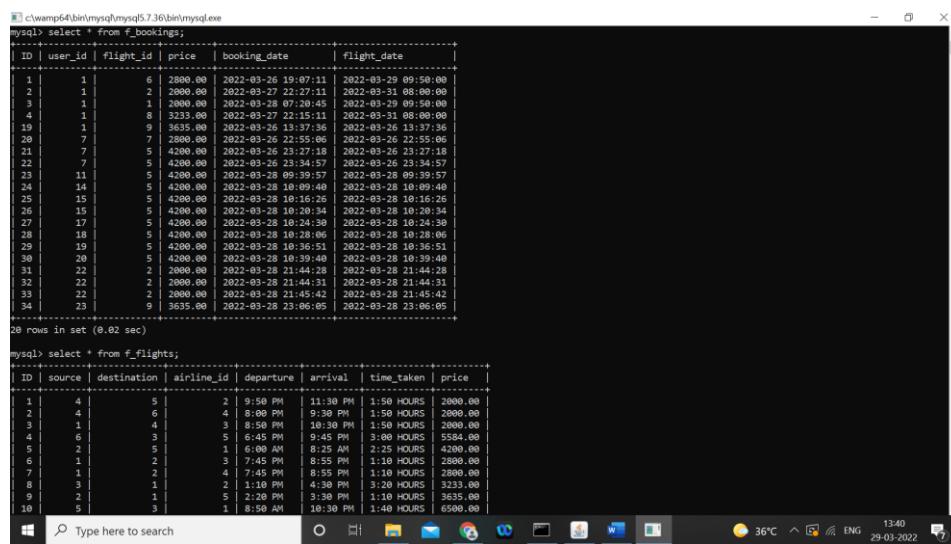
mysql> use flyaway;
Database changed
mysql> show tables;
+-----+
| Tables_in_f_flyaway |
+-----+
| f_admin          |
| f_airlines       |
| f_bookings       |
| f_flights        |
| f_places         |
| f_user           |
+-----+
6 rows in set (0.00 sec)

mysql> select * from f_admin;
+----+-----+-----+
| ID | admin_id      | admin_pwd |
+----+-----+-----+
| 1  | venkatasaisivabhanu@gmail.com | venkate@123 |
+----+-----+-----+
1 row in set (0.02 sec)

mysql> select * from f_airlines;
+----+-----+
| ID | name          |
+----+-----+
| 1  | SpiceJet     |
| 2  | GoAir        |
| 3  | Air India    |
| 4  | AirAsia       |
| 5  | Vistara      |
+----+-----+
5 rows in set (0.02 sec)

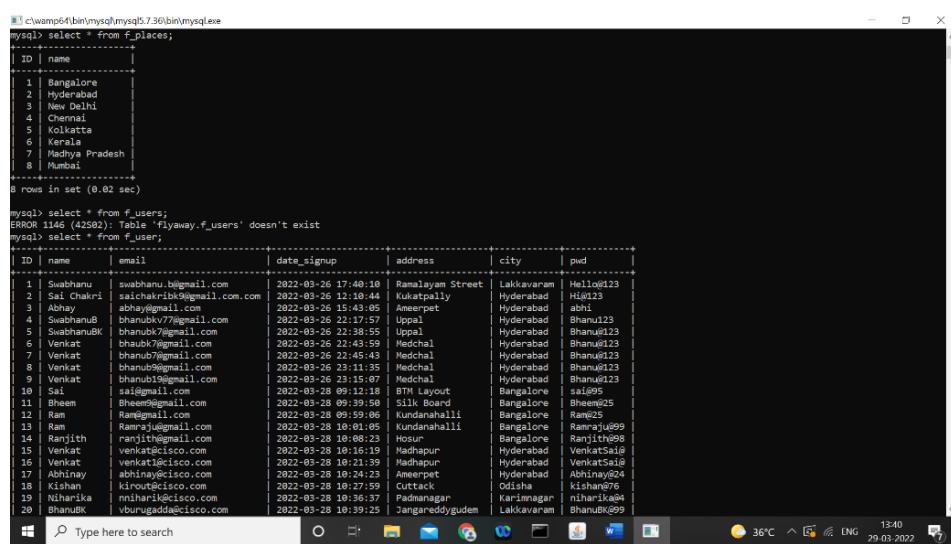
6 rows in set (0.00 sec)

mysql>
```



```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> select * from f_bookings;
+----+-----+-----+-----+-----+-----+
| ID | user_id | flight_id | price | booking_date | flight_date |
+----+-----+-----+-----+-----+-----+
| 1  | 1       | 6         | 2800.00 | 2022-03-26 19:07:11 | 2022-03-29 09:50:00 |
| 2  | 1       | 2         | 2000.00  | 2022-03-27 22:27:11 | 2022-03-31 08:00:00 |
| 3  | 1       | 1         | 2800.00  | 2022-03-28 07:20:41 | 2022-03-29 09:50:00 |
| 4  | 1       | 3         | 3000.00  | 2022-03-26 13:37:36 | 2022-03-26 13:37:36 |
| 5  | 1       | 9         | 3635.00  | 2022-03-26 13:37:36 | 2022-03-26 13:37:36 |
| 6  | 7       | 7         | 2800.00  | 2022-03-26 22:55:06 | 2022-03-26 22:55:06 |
| 7  | 7       | 5         | 4200.00  | 2022-03-26 23:27:18 | 2022-03-26 23:27:18 |
| 8  | 7       | 5         | 4200.00  | 2022-03-26 23:34:57 | 2022-03-26 23:34:57 |
| 9  | 11      | 5         | 4200.00  | 2022-03-28 09:39:57 | 2022-03-28 09:39:57 |
| 10 | 14     | 5         | 4200.00  | 2022-03-28 09:39:57 | 2022-03-28 09:39:57 |
| 11 | 15     | 5         | 4200.00  | 2022-03-28 10:16:26 | 2022-03-28 10:16:26 |
| 12 | 15     | 5         | 4200.00  | 2022-03-28 10:20:34 | 2022-03-28 10:20:34 |
| 13 | 17     | 5         | 4200.00  | 2022-03-28 10:24:30 | 2022-03-28 10:24:30 |
| 14 | 18     | 5         | 4200.00  | 2022-03-28 10:28:06 | 2022-03-28 10:28:06 |
| 15 | 19     | 5         | 4200.00  | 2022-03-28 10:36:51 | 2022-03-28 10:36:51 |
| 16 | 20     | 5         | 4200.00  | 2022-03-28 10:39:48 | 2022-03-28 10:39:48 |
| 17 | 22     | 2         | 2800.00  | 2022-03-28 21:44:31 | 2022-03-28 21:44:31 |
| 18 | 22     | 2         | 2800.00  | 2022-03-28 21:45:42 | 2022-03-28 21:45:42 |
| 19 | 23     | 9         | 3635.00  | 2022-03-28 23:06:05 | 2022-03-28 23:06:05 |
+----+-----+-----+-----+-----+-----+
20 rows in set (0.02 sec)

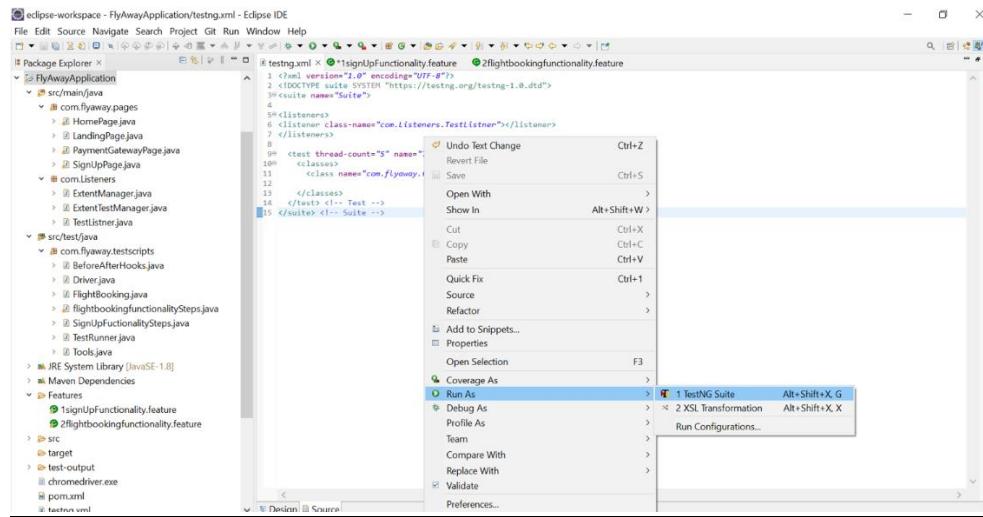
mysql> select * from f_flights;
+----+-----+-----+-----+-----+-----+
| ID | source | destination | airline_id | departure | arrival | time_taken | price |
+----+-----+-----+-----+-----+-----+
| 1  | 4       | 5         | 2         | 9:50 AM   | 11:30 PM | 1:50 HOURS | 2000.00 |
| 2  | 4       | 6         | 4         | 8:00 PM   | 9:30 PM  | 1:50 HOURS | 2000.00 |
| 3  | 1       | 4         | 3         | 8:00 AM   | 10:30 AM | 2:50 HOURS | 2000.00 |
| 4  | 6       | 3         | 5         | 6:45 PM   | 9:45 PM  | 3:00 HOURS | 5534.00 |
| 5  | 2       | 5         | 1         | 6:00 AM   | 8:25 AM  | 2:25 HOURS | 4200.00 |
| 6  | 1       | 2         | 3         | 7:45 PM   | 8:55 PM  | 1:10 HOURS | 2880.00 |
| 7  | 1       | 2         | 4         | 7:45 PM   | 8:55 PM  | 1:10 HOURS | 2880.00 |
| 8  | 3       | 1         | 2         | 1:16 PM   | 4:30 PM  | 3:20 HOURS | 3239.00 |
| 9  | 2       | 1         | 5         | 2:28 PM   | 3:30 PM  | 1:08 HOURS | 3635.00 |
| 10 | 5       | 3         | 1         | 8:50 AM   | 10:30 PM | 1:40 HOURS | 5560.00 |
+----+-----+-----+-----+-----+-----+
```



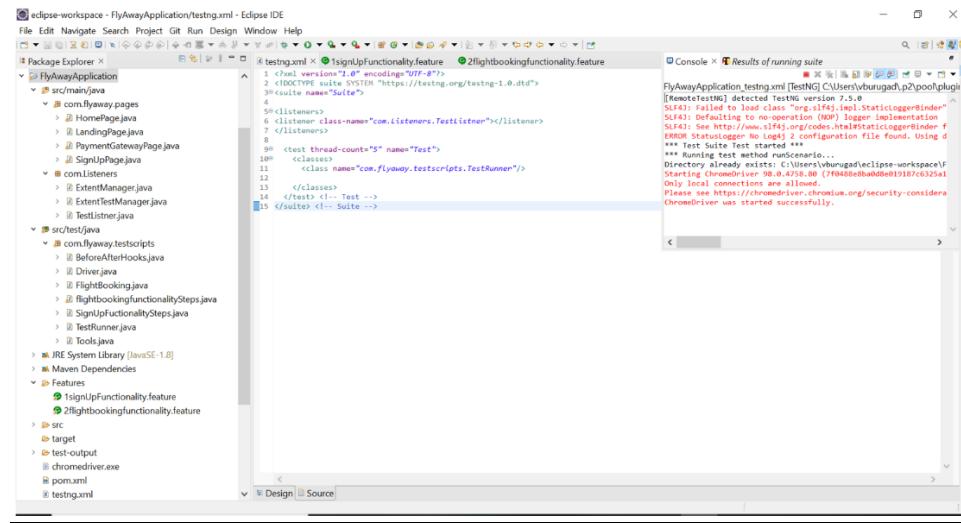
```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> select * from f_places;
+----+-----+
| ID | name          |
+----+-----+
| 1  | Bangalore    |
| 2  | Hyderabad    |
| 3  | New Delhi    |
| 4  | Chennai      |
| 5  | Kolkata      |
| 6  | Kerala        |
| 7  | Madhya Pradesh |
| 8  | Mumbai        |
+----+-----+
8 rows in set (0.02 sec)

mysql> select * from f_users;
ERROR 1146 (42S02): Table 'flyaway.f_users' doesn't exist
mysql> select * from f_user;
+----+-----+-----+-----+-----+-----+
| ID | name          | email           | date_signup | address          | city            | pwd             |
+----+-----+-----+-----+-----+-----+
| 1  | Swabhanyu    | swabhanyu@gmail.com | 2022-03-26 17:40:10 | Ramalayam Street | Lakkavaram | Hello@123 |
| 2  | Sai Chakri   | saichakri19@gmail.com | 2022-03-26 12:10:41 | Kukatpally       | Hyderabad  | abhi@123 |
| 3  | Athar        | athay@gmail.com   | 2022-03-26 15:43:05 | Ameerpet        | Hyderabad  | Athar@123 |
| 4  | SushanthuB   | bishanthu7@gmail.com | 2022-03-26 10:00:00 | Uppal            | Hyderabad  | Sushanthu@123 |
| 5  | bhanubh@GK  | bhanubh7@gmail.com | 2022-03-26 22:38:55 | Uppal            | Hyderabad  | Bhanubh@123 |
| 6  | Venkat       | bhanubh7@gmail.com | 2022-03-26 22:43:59 | Medchal          | Hyderabad  | Bhanubh@123 |
| 7  | Venkat       | bhanubh7@gmail.com | 2022-03-26 22:45:43 | Medchal          | Hyderabad  | Bhanubh@123 |
| 8  | Venkat       | bhanubh7@gmail.com | 2022-03-26 23:11:35 | Medchal          | Hyderabad  | Bhanubh@123 |
| 9  | Venkat       | bhanubh19@gmail.com | 2022-03-26 23:15:07 | Medchal          | Hyderabad  | Bhanubh@123 |
| 10 | Sai          | sai@gmail.com    | 2022-03-28 09:15:00 | Electronics City | Bangalore | sai@98 |
| 11 | Bhagya      | bhagyashree@gmail.com | 2022-03-28 09:39:59 | Milk Board       | Bangalore | Bhagya@925 |
| 12 | Ram          | Rangoli@gmail.com | 2022-03-28 09:59:06 | Kundanahalli    | Bangalore | Ram@925 |
| 13 | Ram          | Ramraj@gmail.com  | 2022-03-28 10:01:05 | Kundanahalli    | Bangalore | Ramraj@999 |
| 14 | Ranjith      | ranjith@gmail.com | 2022-03-28 10:08:23 | Hosur            | Bangalore | Ranjith@98 |
| 15 | Venkat       | venkat@cisco.com  | 2022-03-28 10:16:19 | Madhapur         | Hyderabad | VenkatSai@ |
| 16 | Venkat       | venkat@cisco.com  | 2022-03-28 10:21:09 | Madhapur         | Hyderabad | VenkatSai@ |
| 17 | Venkatesh    | venkatesh@cisco.com | 2022-03-28 10:22:20 | Airport          | Hyderabad | Venkatesh@923 |
| 18 | Kishan       | kiroots@cisco.com | 2022-03-28 10:27:59 | Cuttack          | Odisha    | kishan@976 |
| 19 | Niharika    | niharika@cisco.com | 2022-03-28 10:36:57 | Padmanagar      | Karimnagar | niharika@94 |
| 20 | BhanubhK   | vburugadda@cisco.com | 2022-03-28 10:39:25 | Jangareddyguduen | Lakkavaram | Bhanubh@999 |
+----+-----+-----+-----+-----+-----+
```

## Running Project as TESTNG Suite :



## Chrome Redirection :



## Landing Page :

The screenshot shows a browser window titled "Fly Away" with the URL "localhost:8080/FlyAway/". The page header says "FLYAWAY HOMEPAGE" and includes links for "Home | Login|Signup |". Below this is a search form with dropdowns for "From" and "To" and a "Submit" button. A table lists flight options with columns: Source, Destination, Airline, Duration, Cost, and a "Book Flight" link. The flights listed are from Chennai to Kolkata, Chennai to Kerala, Bangalore to Chennai, Bangalore to New Delhi, Bangalore to Hyderabad, Bangalore to Hyderabad, New Delhi to Bangalore, Hyderabad to Bangalore, and Kolkatta to New Delhi. The cost for the first flight is 2000.00.

Source	Destination	Airline	Duration	Cost	
Chennai	Kolkata	GoAir	Dep 9:50 PM Arr:11:30 PM (1:50 HOURS)	2000.00	<a href="#">Book Flight</a>
Chennai	Kerala	AirAsia	Dep 8:00 PM Arr:9:30 PM (1:50 HOURS)	2000.00	<a href="#">Book Flight</a>
Bangalore	Chennai	Air India	Dep 8:50 PM Arr:10:30 PM (1:50 HOURS)	2000.00	<a href="#">Book Flight</a>
Karala	New Delhi	Vistara	Dep 6:45 PM Arr:9:45 PM (3:00 HOURS)	5584.00	<a href="#">Book Flight</a>
Hyderabad	Kolkata	SpiceJet	Dep 6:00 AM Arr:8:25 AM (2:25 HOURS)	4200.00	<a href="#">Book Flight</a>
Bangalore	Hyderabad	Air India	Dep 7:45 PM Arr:8:55 PM (1:10 HOURS)	2800.00	<a href="#">Book Flight</a>
Bangalore	Hyderabad	AirAsia	Dep 7:45 PM Arr:8:55 PM (1:10 HOURS)	2800.00	<a href="#">Book Flight</a>
New Delhi	Bangalore	GoAir	Dep 1:10 PM Arr:4:30 PM (3:20 HOURS)	3233.00	<a href="#">Book Flight</a>
Hyderabad	Bangalore	Vistara	Dep 2:20 PM Arr:3:30 PM (1:10 HOURS)	3635.00	<a href="#">Book Flight</a>
Kolkatta	New Delhi	SpiceJet	Dep 8:50 AM Arr:10:30 PM (1:40 HOURS)	6500.00	<a href="#">Book Flight</a>

(C) FlyAway 2019



## SignUp Page :

The screenshot shows a browser window titled "Fly Away - Register" with the URL "localhost:8080/FlyAway/signup". The page header says "FLYAWAY - MEMBER REGISTRATION" and includes links for "Home | Login|Signup |". Below this is a form with fields for Email id\*, Password\*, Confirm Password\*, Name\*, Address, and City. At the bottom are "Signup" and "Already a member? Login" buttons.

Email id*	vburugadda12@cisco.com
Password*	.....
Confirm Password*	.....
Name*	Sai BKV
Address	Jangareddygudem
City	Lakkavaram

[Signup](#) [Already a member? Login](#)

(C) FlyAway 2019



## Sign Up Confirmation Page :

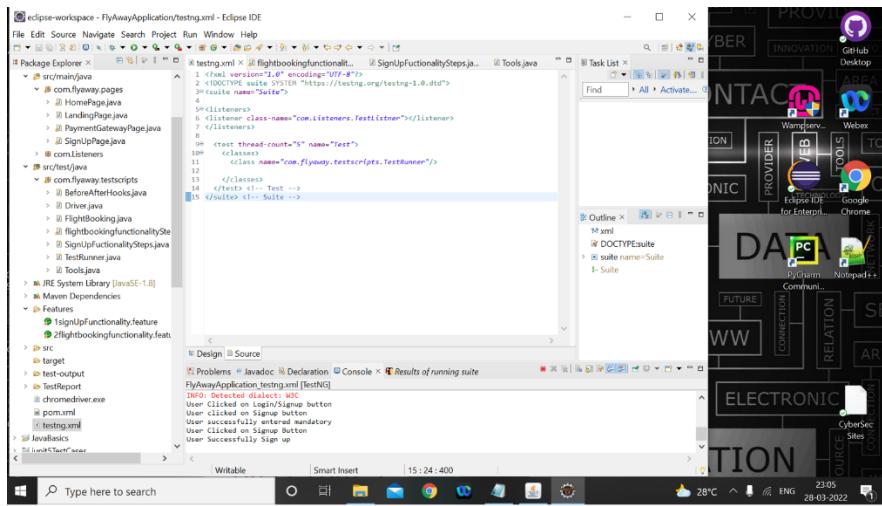
The screenshot shows a browser window titled "Fly Away - Registration Confirmation" with the URL "localhost:8080/FlyAway/registerconfirm". The page header says "Your registration is confirmed. [Login to continue checking flights](#)" and includes links for "Home | Login|Signup |".

Your registration is confirmed. [Login to continue checking flights](#)

(C) FlyAway 2019

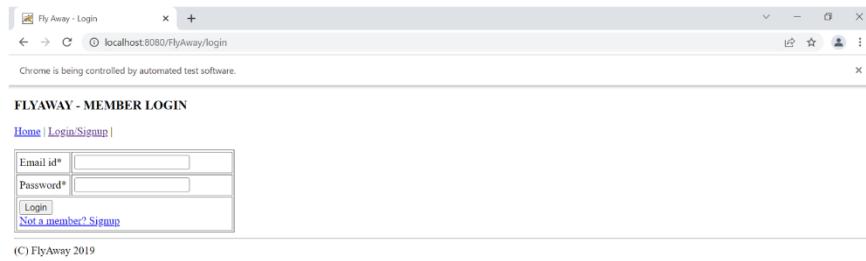


## Sign up Feature Output in Eclipse Console :



## FlightBooking Functionality Feature:

### Login Page :



### Credentials passing from Eclipse :



## Home Page :

The screenshot shows a browser window titled "Fly Away" with the URL "localhost:8080/FlyAway/home". The page displays a table of flight search results:

Source	Destination	Airline	Duration	Cost	Action
Chennai	Kolkata	GoAir	Dep 9:50 PM Arr. 11:30 PM (1:50 HOURS)	2000.00	<a href="#">Book Flight</a>
Chennai	Kerala	AirAsia	Dep 8:00 PM Arr. 9:30 PM (1:50 HOURS)	2000.00	<a href="#">Book Flight</a>
Bangalore	Chennai	Air India	Dep 8:50 PM Arr. 10:30 PM (1:50 HOURS)	2000.00	<a href="#">Book Flight</a>
Kerala	New Delhi	Vistara	Dep 6:45 PM Arr. 9:45 PM (3:00 HOURS)	5584.00	<a href="#">Book Flight</a>
Hyderabad	Kolkata	SpiceJet	Dep 6:00 AM Arr. 8:25 AM (2:25 HOURS)	4200.00	<a href="#">Book Flight</a>
Bangalore	Hyderabad	Air India	Dep 7:45 PM Arr. 8:55 PM (1:10 HOURS)	2800.00	<a href="#">Book Flight</a>
Bangalore	Hyderabad	AirAsia	Dep 7:45 PM Arr. 8:55 PM (1:10 HOURS)	2800.00	<a href="#">Book Flight</a>
New Delhi	Bangalore	GoAir	Dep 1:10 PM Arr. 4:30 PM (3:20 HOURS)	3233.00	<a href="#">Book Flight</a>
Hyderabad	Bangalore	Vistara	Dep 2:20 PM Arr. 3:30 PM (1:10 HOURS)	3635.00	<a href="#">Book Flight</a>
Kolkata	New Delhi	SpiceJet	Dep 8:50 AM Arr. 10:30 PM (1:40 HOURS)	6500.00	<a href="#">Book Flight</a>

(C) FlyAway 2019



## Searching Flights :

The screenshot shows a browser window titled "Fly Away" with the URL "localhost:8080/FlyAway/home?source=2&destination=1". The page displays a table of flight search results:

Source	Destination	Airline	Duration	Cost	Action
Hyderabad	Bangalore	Vistara	Dep 2:20 PM Arr. 3:30 PM (1:10 HOURS)	3635.00	<a href="#">Book Flight</a>

(C) FlyAway 2019



## Payment Gateway :

The screenshot shows a browser window titled "Fly Away - Make Flight Booking" with the URL "localhost:8080/FlyAway/bookflight?id=9". The page displays flight booking details:

Your card will be charged an amount of 3635.00  
Please confirm your flight details below:

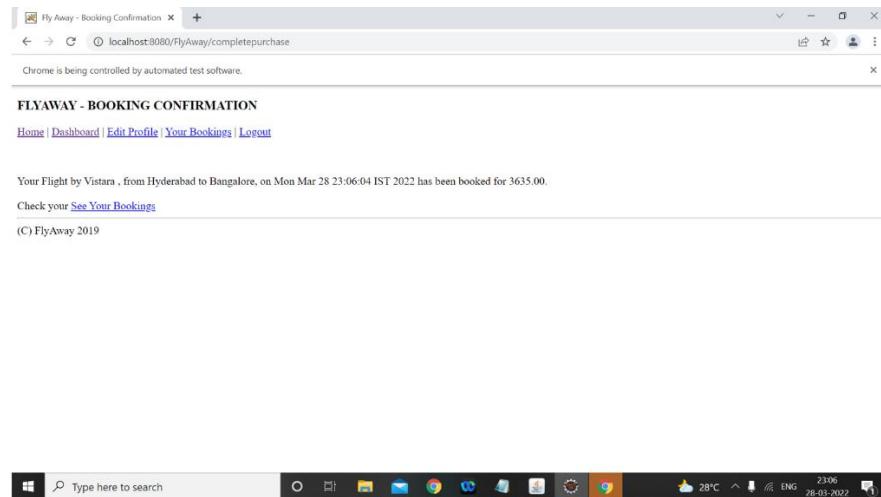
**Date:** Mon Mar 28 23:06:02 IST 2022  
**Airline:** Vistara  
**Sector:** Hyderabad - Bangalore  
**Departure:** 2:20 PM  
**Arrival:** 3:30 PM  
**Duration:** 1:10 HOURS

[Click to complete booking](#)

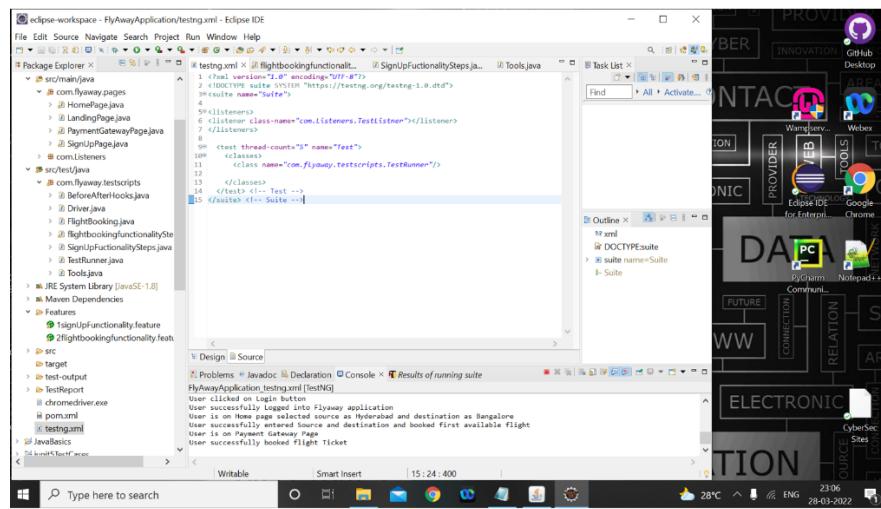
(C) FlyAway 2019



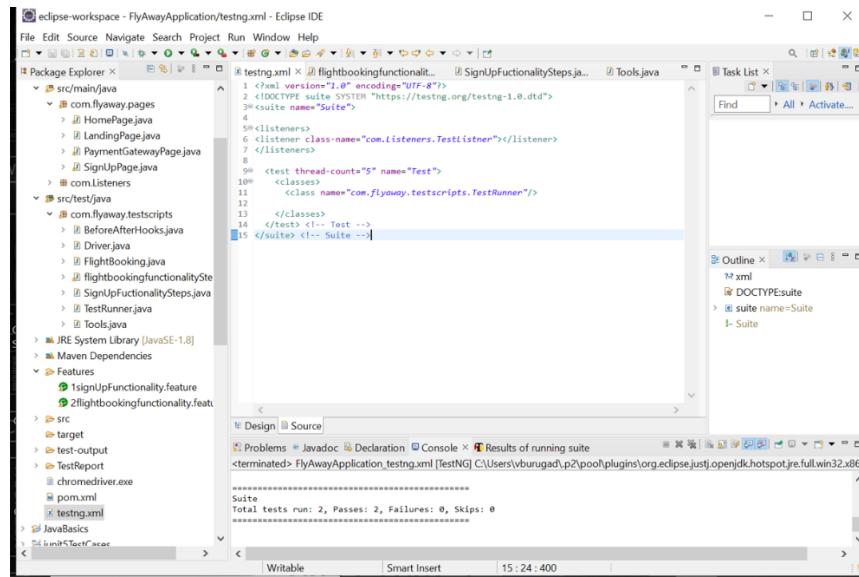
## Flight Confirmation :



## Flight Booking Functionality Output in Eclipse Console :

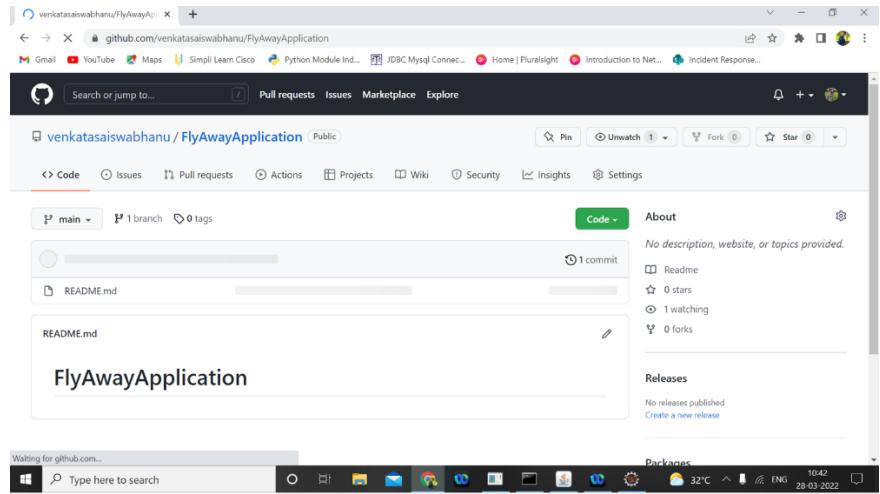


## Final Output :

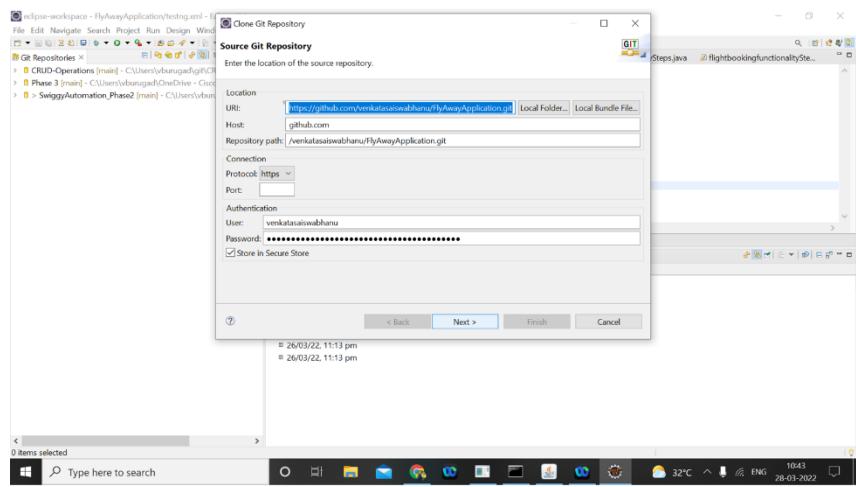


## Pushing code to GitHub :

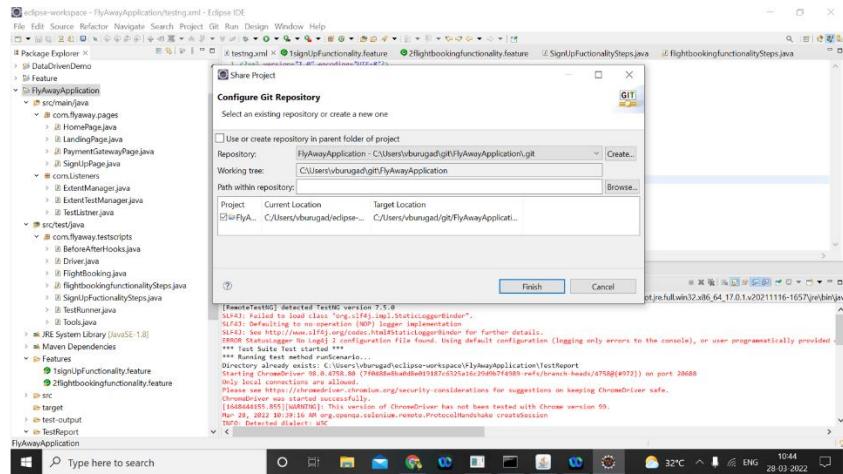
### Creating Empty Git Repository :



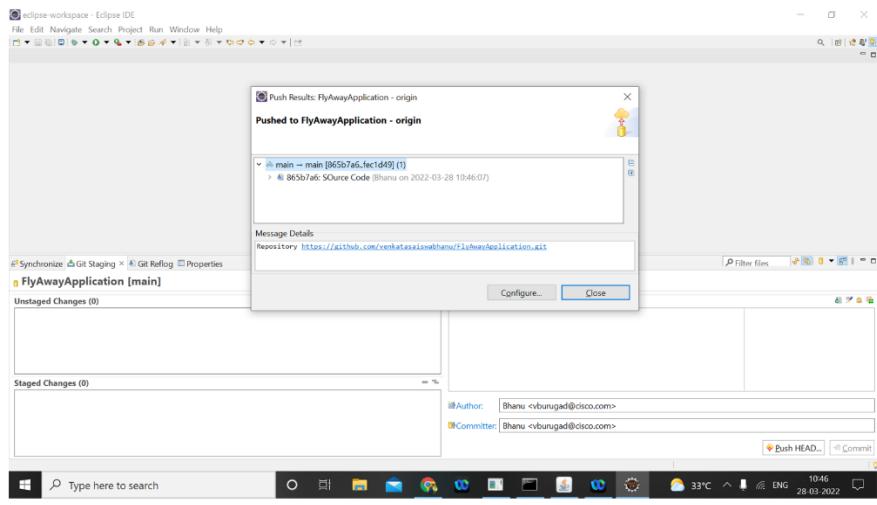
### Configuring Source Git Repository :



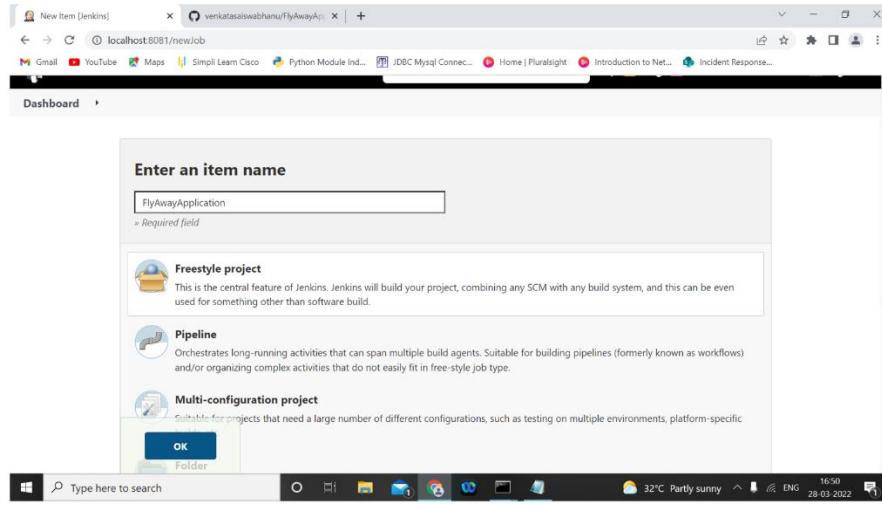
### Pushing Git Repository :



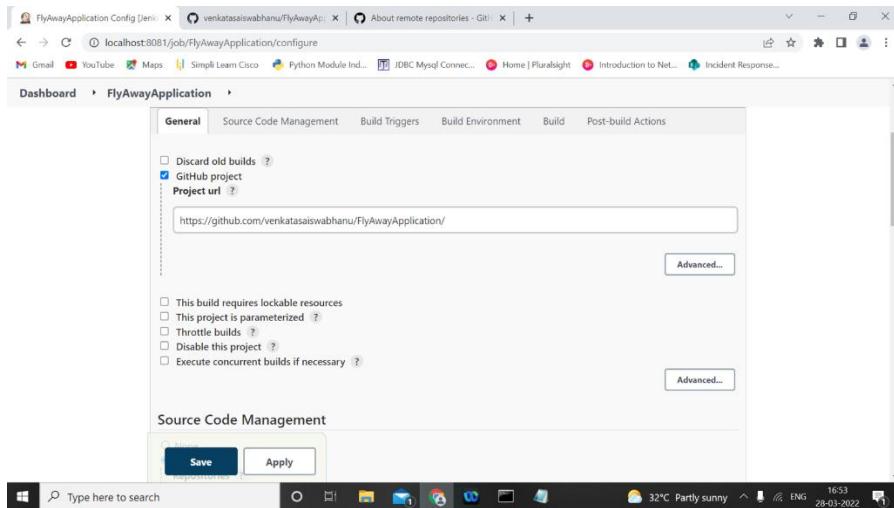
## Git output in Eclipse Console :-



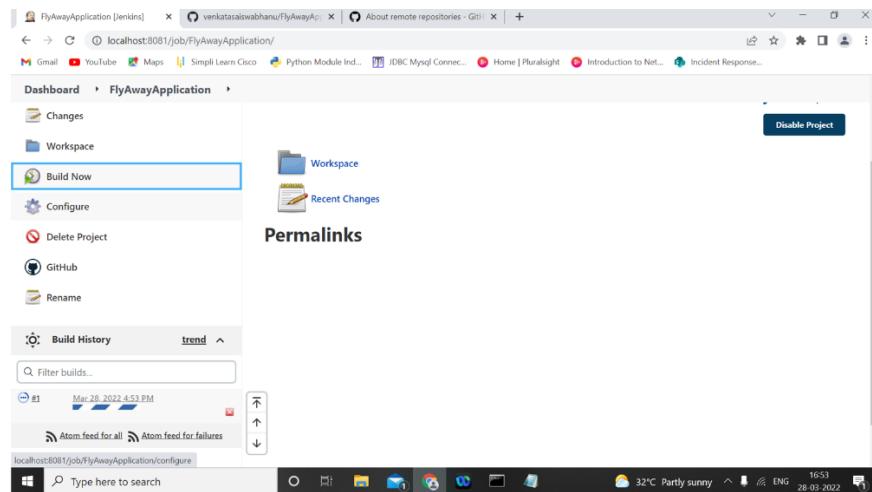
## Jenkins Project Creation :-



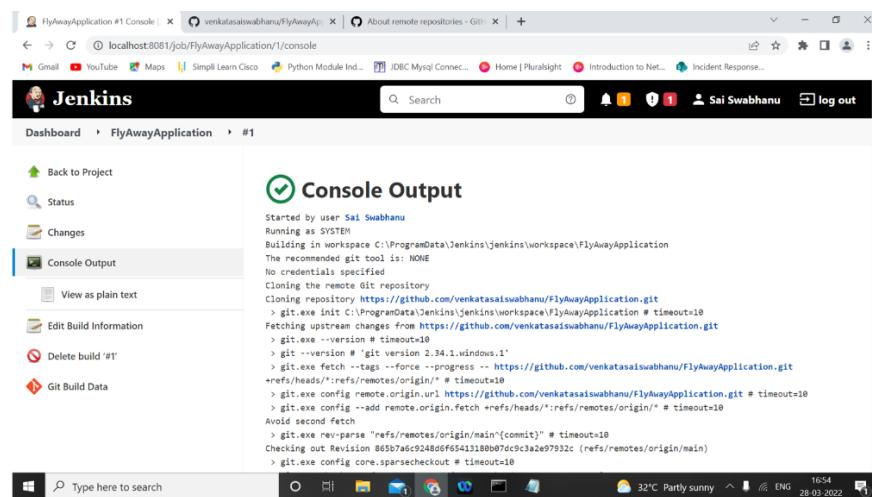
## Configuring Jenkins job using GIT :



## Building Jenkins Job :



## Jenkins Output Console :



## Testing with JMeter :

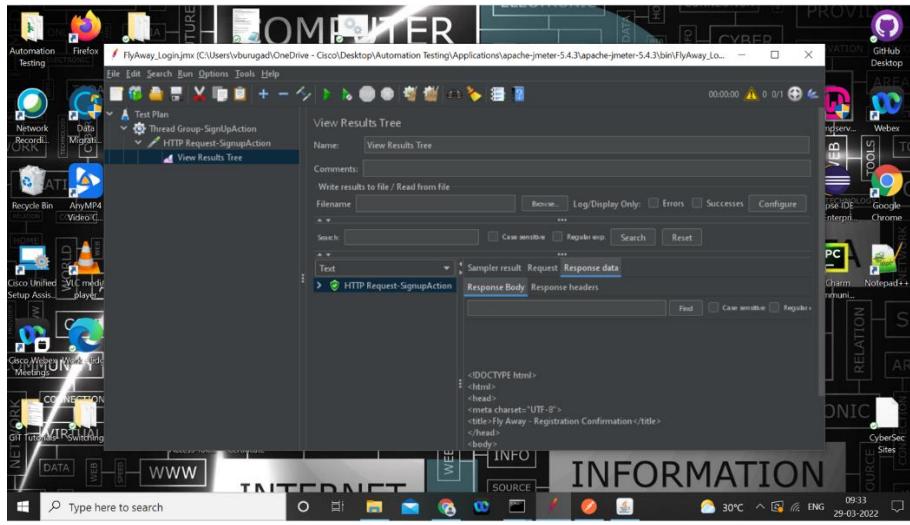
### HTTP Sign up Request :

A screenshot of the JMeter interface showing a test plan named 'FlyAway\_Login.jmx'. The test plan contains a 'Test Plan' node with a 'Thread Group-SignUpAction' node. This node has an 'HTTP Request' sampler. The 'HTTP Request' dialog shows the following details: Protocol: http, Server Name or IP: localhost, Port Number: 8080, Method: POST, Path: /FlyAway/signupaction?, Content encoding: (empty), and Parameters tab with the following data:

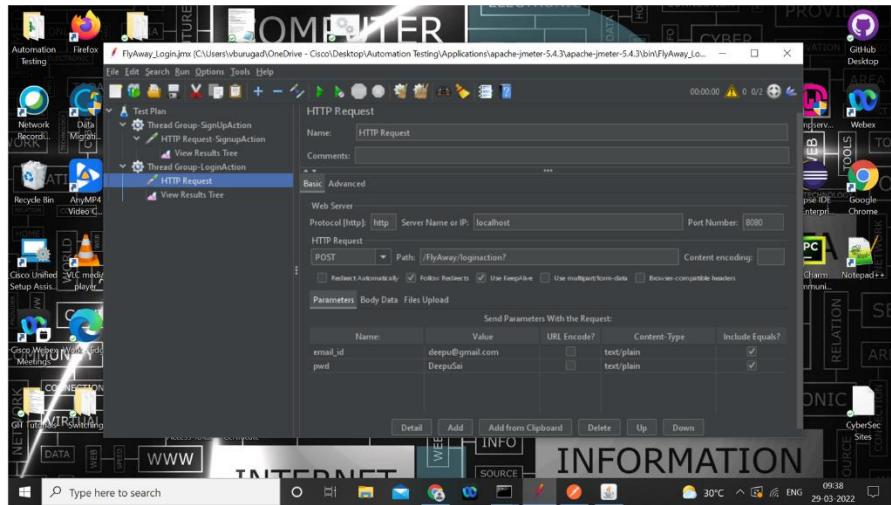
Name	Value	URL Encode?	Content-Type	Include Equals?
email_id	deepu@gmail.com	<input type="checkbox"/>	text/plain	<input checked="" type="checkbox"/>
pwd	DeepuSai	<input type="checkbox"/>	text/plain	<input checked="" type="checkbox"/>
pwd2	DeepuSai	<input type="checkbox"/>	text/plain	<input checked="" type="checkbox"/>
name	Deepika	<input type="checkbox"/>	text/plain	<input checked="" type="checkbox"/>
address	Tolichowki	<input type="checkbox"/>	text/plain	<input checked="" type="checkbox"/>

The bottom of the interface shows buttons for 'Detail', 'Add', 'Add from Clipboard', 'Delete', 'Up', and 'Down'.

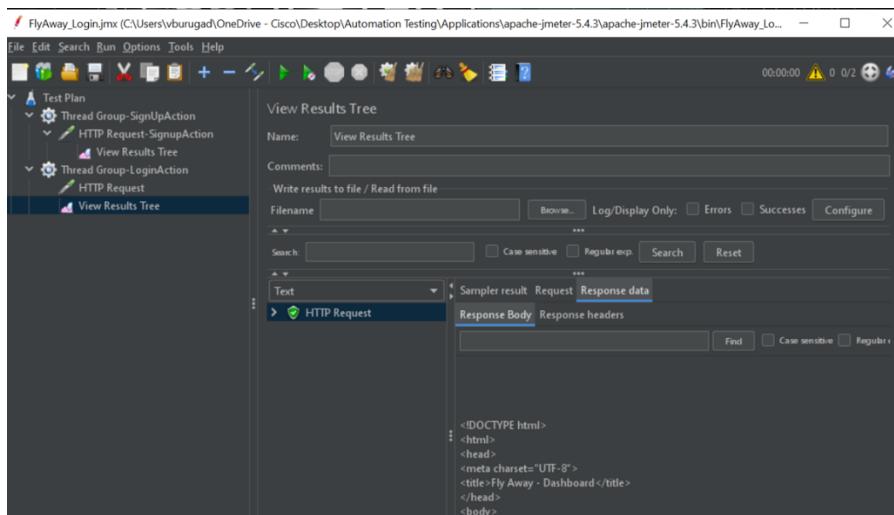
## JMeter Sign up Output :



## HTTP Login request :



## JMeter Login Action Output :



## Testing FlyAway Application using Postman :

### Testing Sign up Action :

The screenshot shows the Postman application interface. The left sidebar lists collections, environments, and monitors. The main workspace shows a 'FlyAway / SignUpAction' collection with a single POST request named 'SignUpAction'. The request is set to 'POST' with the URL 'http://localhost:8080/FlyAway/signupaction?email\_id=vburugadda1@cisco.com&pwd=cisco123@'. The 'Params' tab shows four parameters: email\_id (vburugadda1@cisco.com), pwd (cisco123@), pwd2 (cisco123@), and name (Bhanubk). The 'Body' tab shows the response body in HTML format:

```
1 <!DOCTYPE html>
2 <html>
3 
4 <head>
5   <meta charset="UTF-8">
6   <title>Fly Away - Registration Confirmation</title>
7 </head>
```

### Testing Login Action :

The screenshot shows the Postman application interface. The left sidebar lists collections, environments, and monitors. The main workspace shows a 'FlyAway / Login' collection with a single POST request named 'Login'. The request is set to 'POST' with the URL 'http://localhost:8080/FlyAway/loginaction?email\_id=vburugadda1@cisco.com&pwd=cisco123@'. The 'Params' tab shows two parameters: email\_id (vburugadda1@cisco.com) and pwd (cisco123@). The 'Body' tab shows the response body in HTML format:

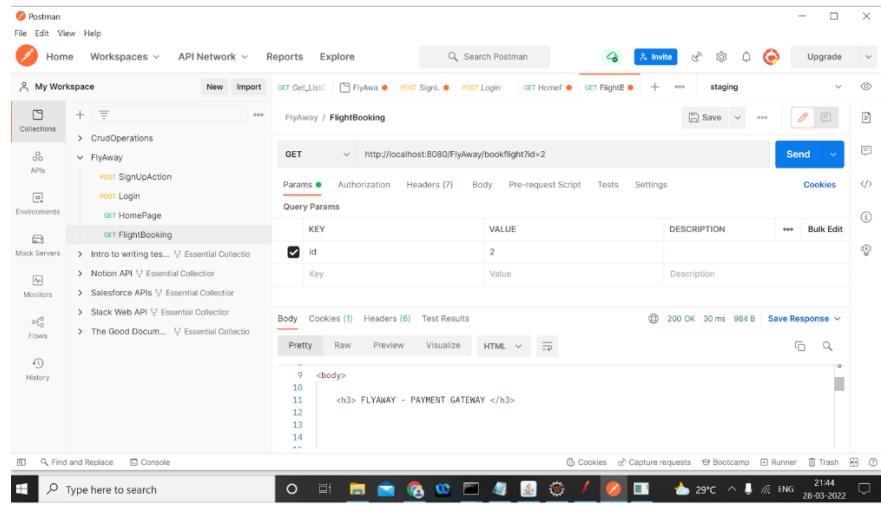
```
1 <!DOCTYPE html>
2 <html>
3 
4 <head>
5   <meta charset="UTF-8">
6   <title>Fly Away - Dashboard</title>
7 </head>
```

### Testing Home Page :

The screenshot shows the Postman application interface. The left sidebar lists collections, environments, and monitors. The main workspace shows a 'FlyAway / HomePage' collection with a single GET request named 'HomePage'. The request is set to 'GET' with the URL 'http://localhost:8080/FlyAway/home'. The 'Params' tab shows one parameter: Key (Value). The 'Body' tab shows the response body in HTML format:

```
1 <!DOCTYPE html>
2 <html>
3 
4 <head>
5   <meta charset="UTF-8">
6   <title>Fly Away</title>
7 </head>
```

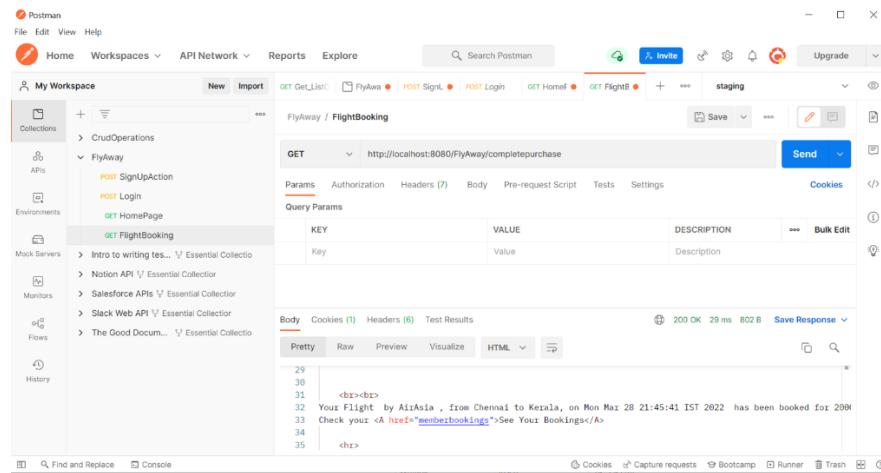
## Testing Flight Selection :



The screenshot shows the Postman interface with a collection named 'FlyAway / FlightBooking'. A GET request is made to `http://localhost:8080/FlyAway/bookflight?id=2`. The response status is 200 OK. The response body contains the following XML:

```
<body>
<1> <b><id>2</id></b>
<2> <origin>Chennai</origin>
<3> <destination>Kerala</destination>
<4> <date>2022-03-28</date>
<5> <time>21:45:41</time>
<6> <duration>200</duration>
<7> <status>BOOKED</status>
<8> <message>Your Flight <a href="#memberbookings">See Your Bookings</a></message>
<9> <br><br>
<10> <h3> FLYAWAY - PAYMENT GATEWAY </h3>
<11>
<12>
<13>
<14>
</body>
```

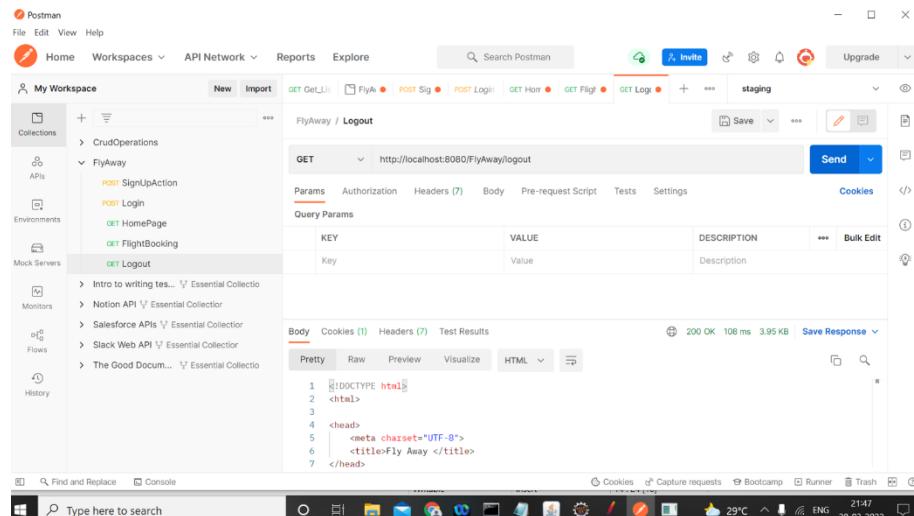
## Flight Booking Output :



The screenshot shows the Postman interface with a collection named 'FlyAway / FlightBooking'. A GET request is made to `http://localhost:8080/FlyAway/completepurchase`. The response status is 200 OK. The response body contains the following XML:

```
<29>
<30>
<31> <br><br>
<32> Your Flight <a href="#memberbookings">See Your Bookings</a>
<33> Check your <a href="#memberbookings">See Your Bookings</a>
<34>
<35> <br>
```

## Testing Logout Functionality :



The screenshot shows the Postman interface with a collection named 'FlyAway / Logout'. A GET request is made to `http://localhost:8080/FlyAway/logout`. The response status is 200 OK. The response body contains the following HTML:

```
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <meta charset="UTF-8">
6   <title>Fly Away</title>
7 </head>
```