

## FlyAway (An Airline Booking Portal).

### Backend-phase2-project

## FlyAway A Ticket Booking Portal Application in JAVA - Servlet&JSP

### Project details:

FlyAway is a Aeroplane ticket-booking portal, that lets people book flights on their website easily.

### Developer detail's:

This Project is Developed by Sharanbasava.

This project is hosted on git repository and link is,

<https://github.com/Sharanbasava98/FlyAway-Backend-Phase2-Project---SIMPLILEARN.git>

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### General Info:

FlyAway is a ticket-booking portal that lets people book flights on their website.

Using the application

Home page displays options to Book Flight, Customer Login and Admin Login.

### Admin Login -

- Admin can login into website with their details
- If the details provided are correct admin is sent to Admin Details Page
- In Admin details page admin can see list of all the available flights
- Admin also has the option to Add a new flight and fare related details
- Admin can also change their password if they wish to

## Customer Login -

- Customer can login into website with the details entered at the time of registration.
- If the details provided are correct, then the user is sent to Customer Details page,
- In Customer Details Page User can see list of their previous booking and also can change password if they wish to
- Customer details page also has the option to book flight if they wish to book a new journey

## Book Flight -

- User had to enter details such as, Sourcecity, Destinationcity, Date of travel.
- After entering details user selects flight to book.
- User is asked to register on the website if user is new or user can login into already existing account.
- User is sent to a dummy payment page after confirming booking details for the payment.
- After confirming payment user is shown the booked ticket details which user can print if they wish to.

## Technologies Used::

**Backend** - JAVA Servlets

**Frontend** - JSP, HTML, CSS

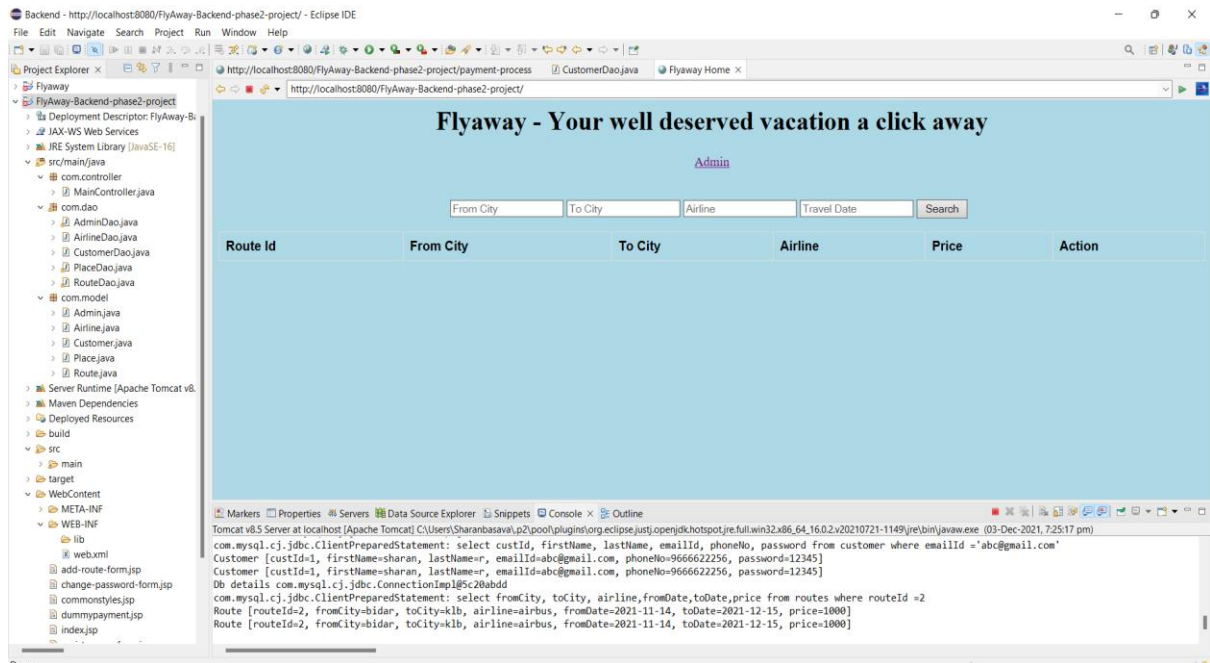
**Database** - MySQL

**Application Server** - Tomcat 8.0

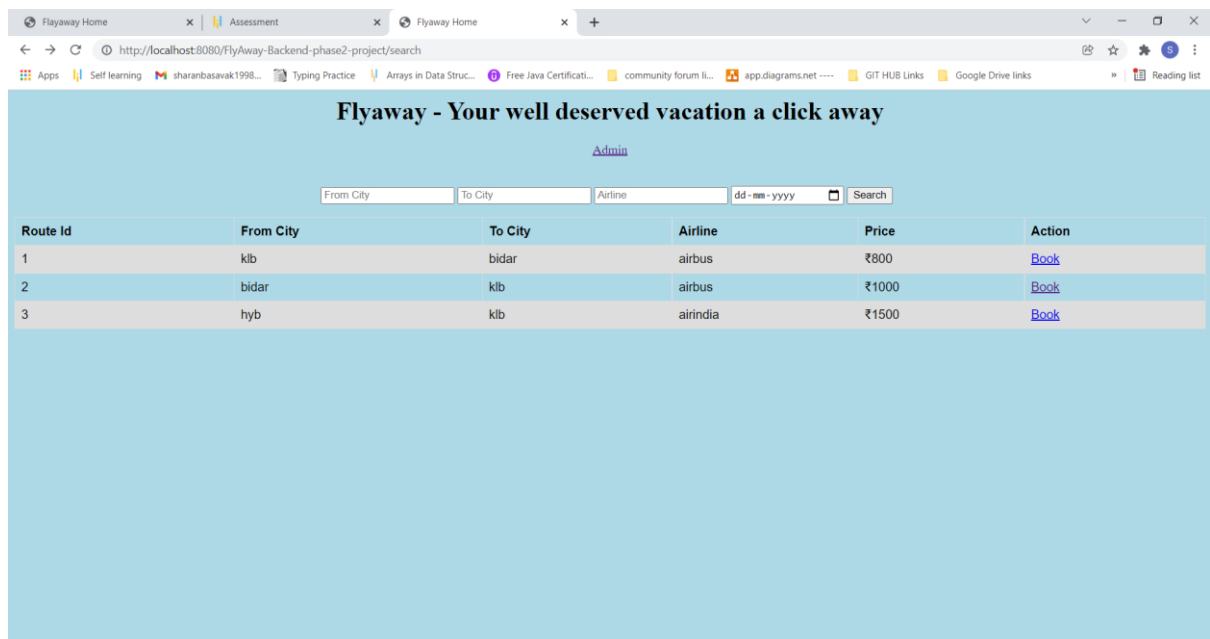
**Apps used:** Eclipse IDE-EE , MySQL-Workbench, and GitHub

## ✧ SCREENSHOTS OF OUTPUT:

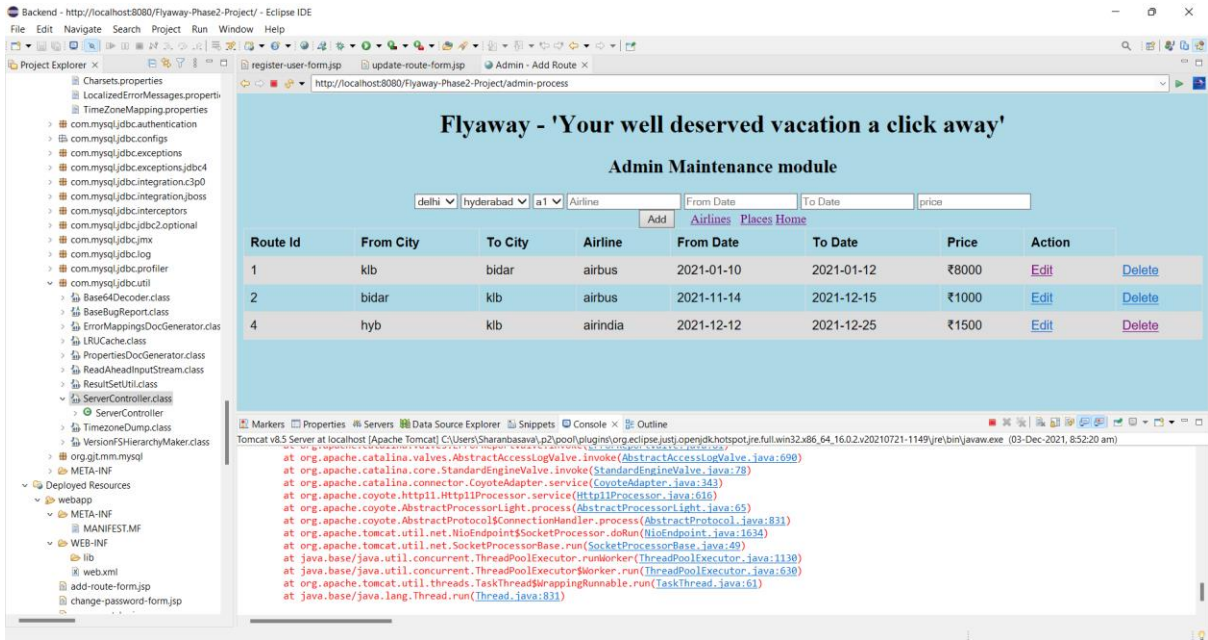
- WELCOME SCREEN:



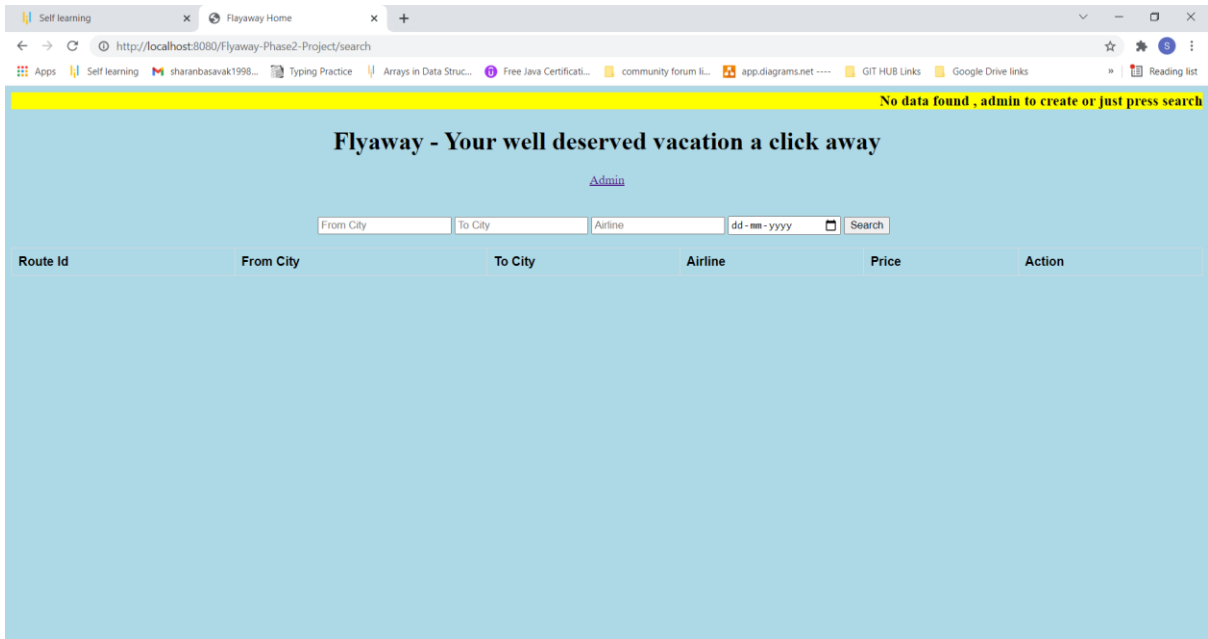
- When we click on the search



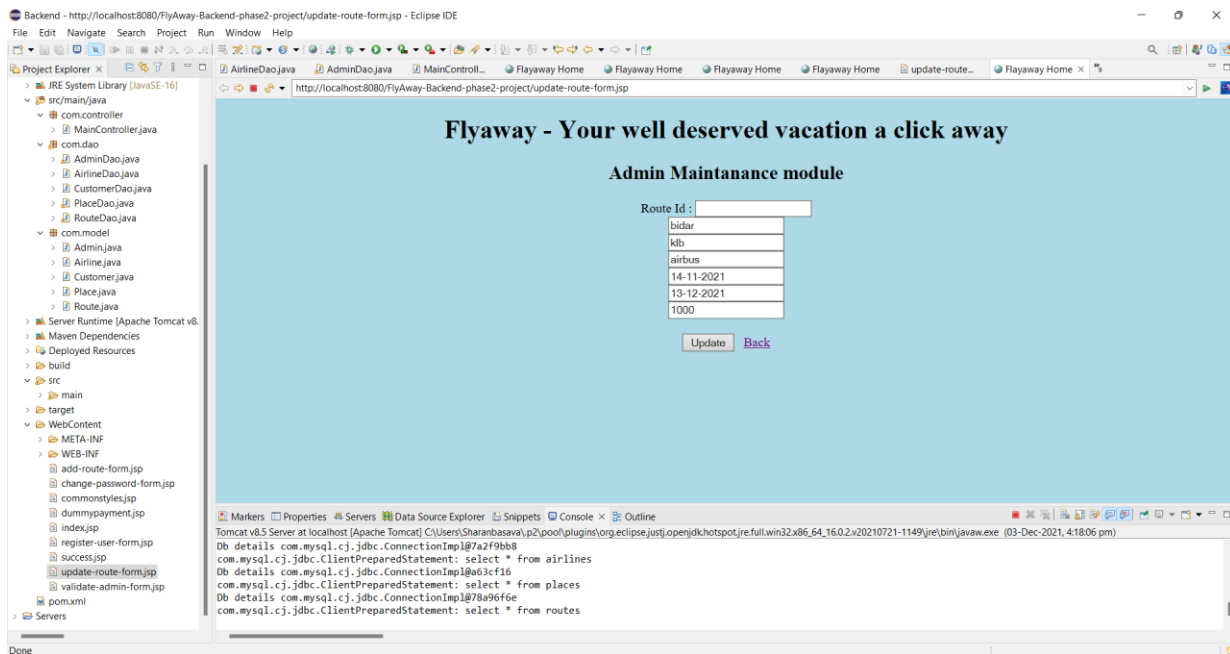
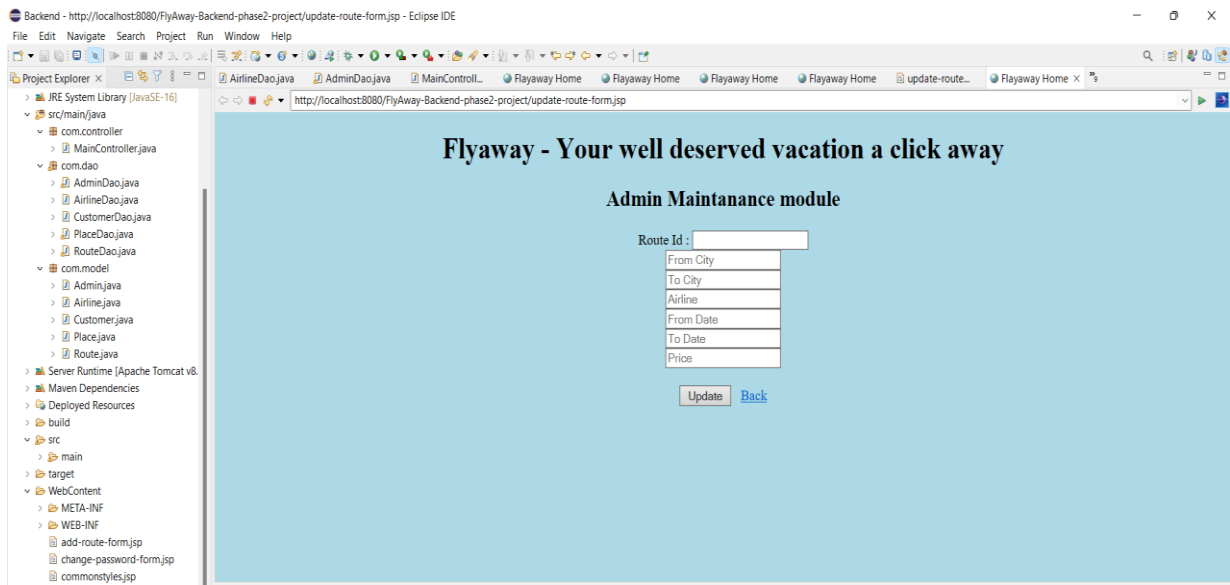
- Lists of airlines



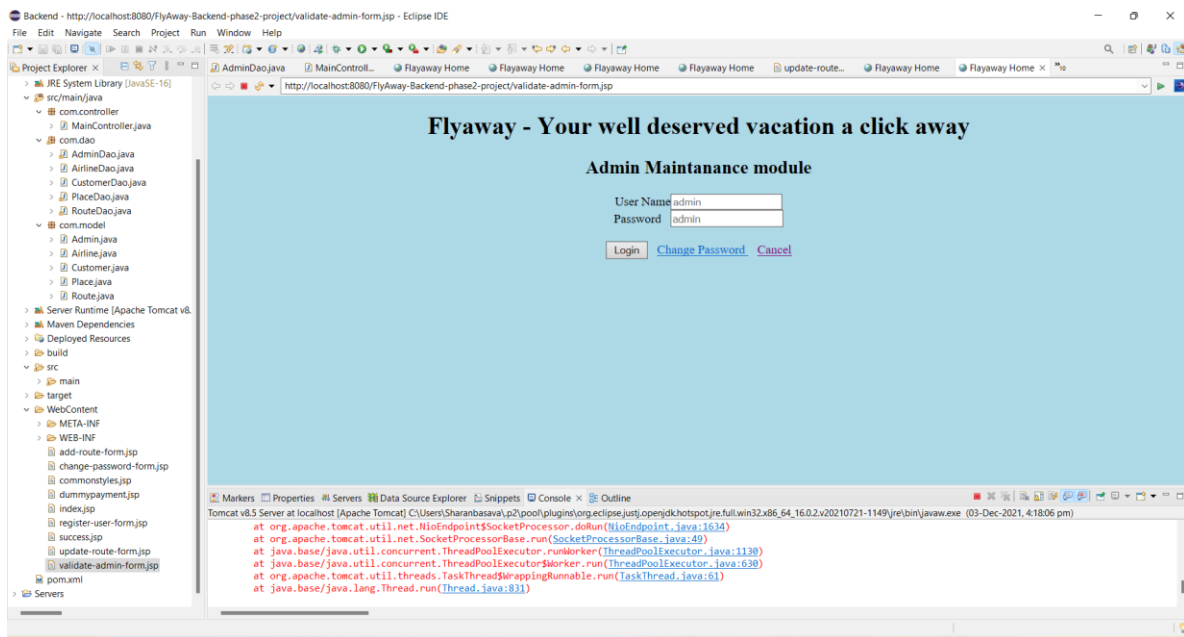
- When we entered wrong data



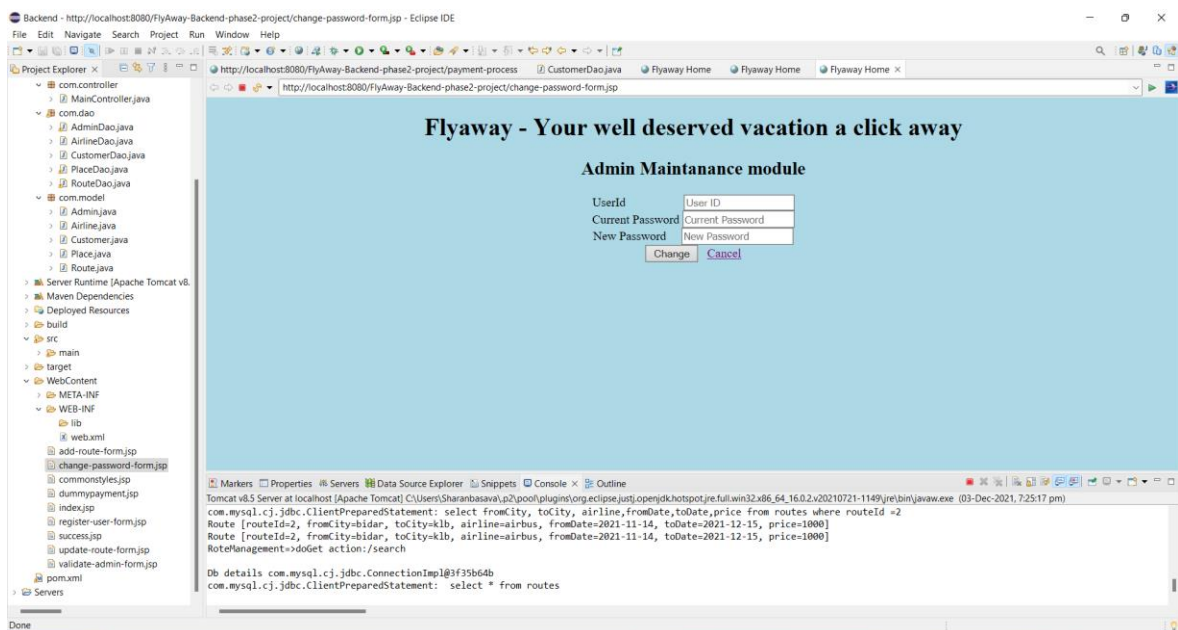
- To Update the current Data



- Login Page



- To change Password(to create new password)



- Enter data make Register & pay

The screenshot shows the Eclipse IDE with a project named 'FlyAway-Backend-phase2-project'. The Project Explorer on the left shows the project structure, including 'src/main/java' with packages 'com.controller', 'com.dao', 'com.model', and 'com.service'. The 'com.controller' package contains 'MainController.java'. The 'com.dao' package contains 'AdminDao.java', 'AirlineDao.java', 'CustomerDao.java', 'PlaceDao.java', 'RouteDao.java', and 'Route.java'. The 'com.model' package contains 'Admin.java', 'Airline.java', 'Customer.java', 'Place.java', and 'Route.java'. The 'com.service' package contains 'AdminService.java', 'AirlineService.java', 'CustomerService.java', 'PlaceService.java', and 'RouteService.java'. The 'src/main/webapp' directory contains 'add-route-form.jsp', 'change-password-form.jsp', 'commonstyles.jsp', 'dumppayment.jsp', and 'index.jsp'. The 'Server Runtime' tab shows 'Apache Tomcat v8.5'. The 'Console' tab shows the following output:

```

Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Users\Sharanbasava\p2\pool\plugins\org.eclipse.just\openjdk.hotspot.jre.full.win32.x86_64.16.0.2.v20210721-1149\jre\bin\java.exe (03-Dec-2021, 7:25:17 pm)

Db details com.mysql.cj.jdbc.ConnectionImpl@7f91479a
com.mysql.cj.jdbc.ClientPreparedStatement: select * from routes
RouteManagement->doGet action: /book
Db details com.mysql.cj.jdbc.ConnectionImpl@44f8ef016
com.mysql.cj.jdbc.ClientPreparedStatement: select fromCity, toCity, airline, fromDate, toDate, price from routes where routeId =2
Route [routeId=2, fromCity=bidar, toCity=klb, airline=airbus, fromDate=2021-11-14, toDate=2021-12-15, price=1000]
Route [routeId=2, fromCity=bidar, toCity=klb, airline=airbus, fromDate=2021-11-14, toDate=2021-12-15, price=1000]
RouteManagement->doGet action: /payment-process
Db details com.mysql.cj.jdbc.ConnectionImpl@e830af9
com.mysql.cj.jdbc.ClientPreparedStatement: select custId, firstName, lastName, emailId, phoneNo, password from customer where emailId ='abc@gmail.com'
Customer [custId=1, firstName=sharan, lastName=r, emailId=abc@gmail.com, phoneNo=9666622256, password=12345]
Customer [custId=1, firstName=sharan, lastName=r, emailId=abc@gmail.com, phoneNo=9666622256, password=12345]
Route [routeId=2, fromCity=bidar, toCity=klb, airline=airbus, fromDate=null, toDate=null, price=1000]
  
```

The registration form is displayed with the following details:

**Registration**

Your Flight Details  
From bidar To klb by airbus cost 1000

To Book Your Flight - Please register below

First Name: sharan  
Last Name: r  
e-mail Id: abc@gmail.com  
Phone No: 9666622256  
Password: \*\*\*\*\*

Register & Pay Cancel

- Enter Payment Details

The screenshot shows the Eclipse IDE with the same project structure as the previous screenshot. The 'Console' tab shows the following output:

```

Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Users\Sharanbasava\p2\pool\plugins\org.eclipse.just\openjdk.hotspot.jre.full.win32.x86_64.16.0.2.v20210721-1149\jre\bin\java.exe (03-Dec-2021, 7:25:17 pm)

com.mysql.cj.jdbc.ClientPreparedStatement: select custId, firstName, lastName, emailId, phoneNo, password from customer where emailId ='abc@gmail.com'
Customer [custId=1, firstName=sharan, lastName=r, emailId=abc@gmail.com, phoneNo=9666622256, password=12345]
Customer [custId=1, firstName=sharan, lastName=r, emailId=abc@gmail.com, phoneNo=9666622256, password=12345]
Db details com.mysql.cj.jdbc.ConnectionImpl@5c20abdd
com.mysql.cj.jdbc.ClientPreparedStatement: select fromCity, toCity, airline, fromDate, toDate, price from routes where routeId =2
Route [routeId=2, fromCity=bidar, toCity=klb, airline=airbus, fromDate=2021-11-14, toDate=2021-12-15, price=1000]
Route [routeId=2, fromCity=bidar, toCity=klb, airline=airbus, fromDate=2021-11-14, toDate=2021-12-15, price=1000]
  
```

The payment form is displayed with the following details:

**FlyAway - Your well deserved vacation a click away**

**Registration**

Hello sharan r

Your Flight Details  
From bidar To klb by airbus cost 1000

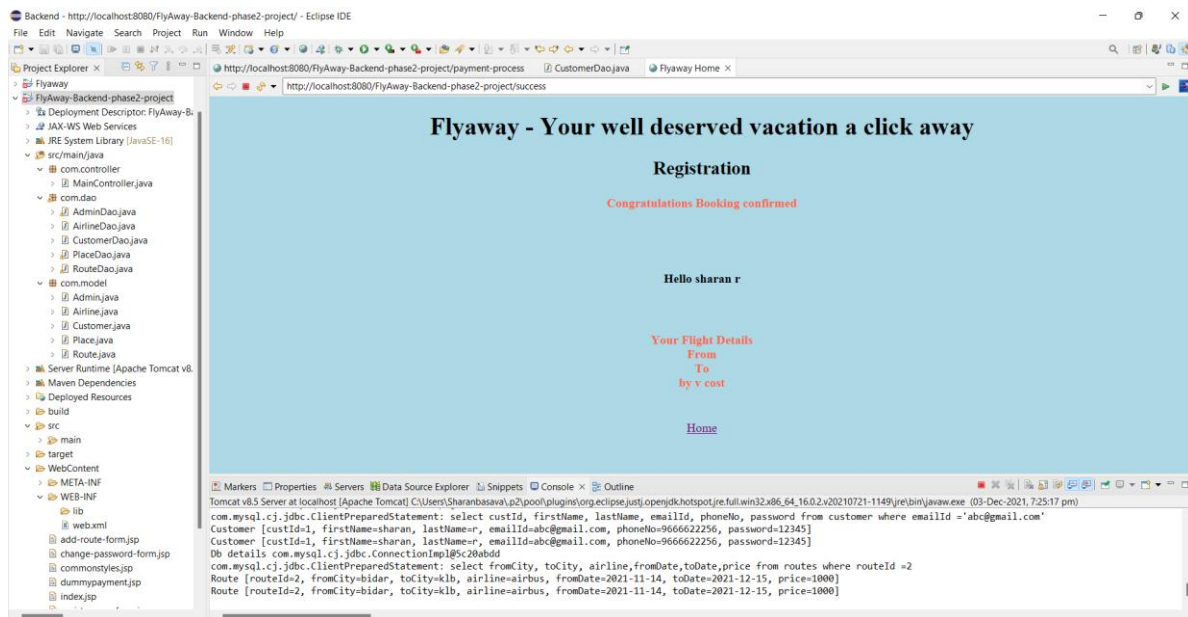
**Payment Details**

Full Name: sharan r  
Card Number: 1234-456-789  
Expiry Date: 12-2022  
CVV number: 456

Pay Cancel

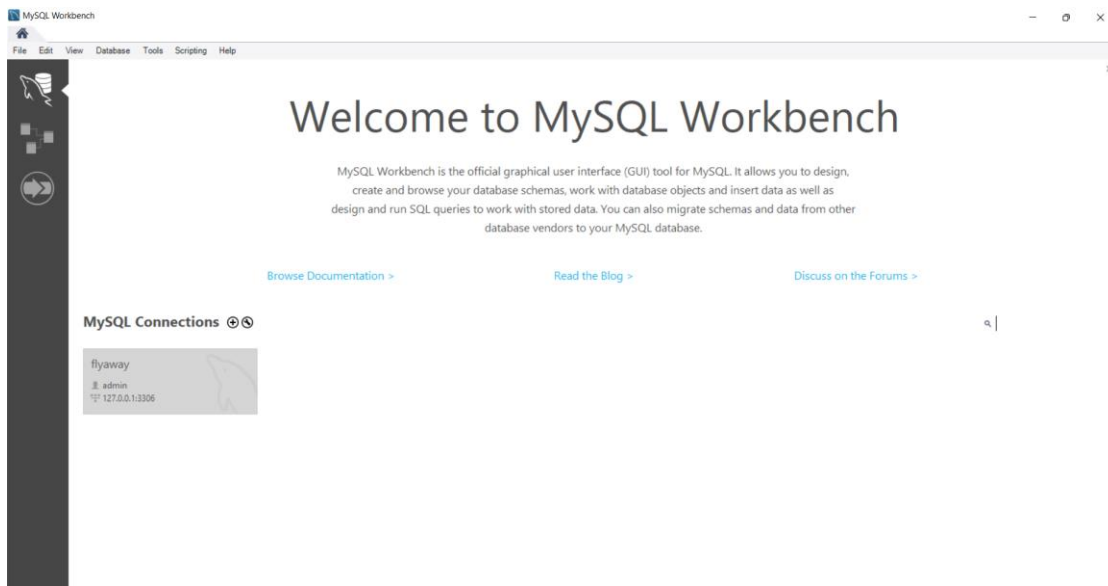


- Booking Conformation Page

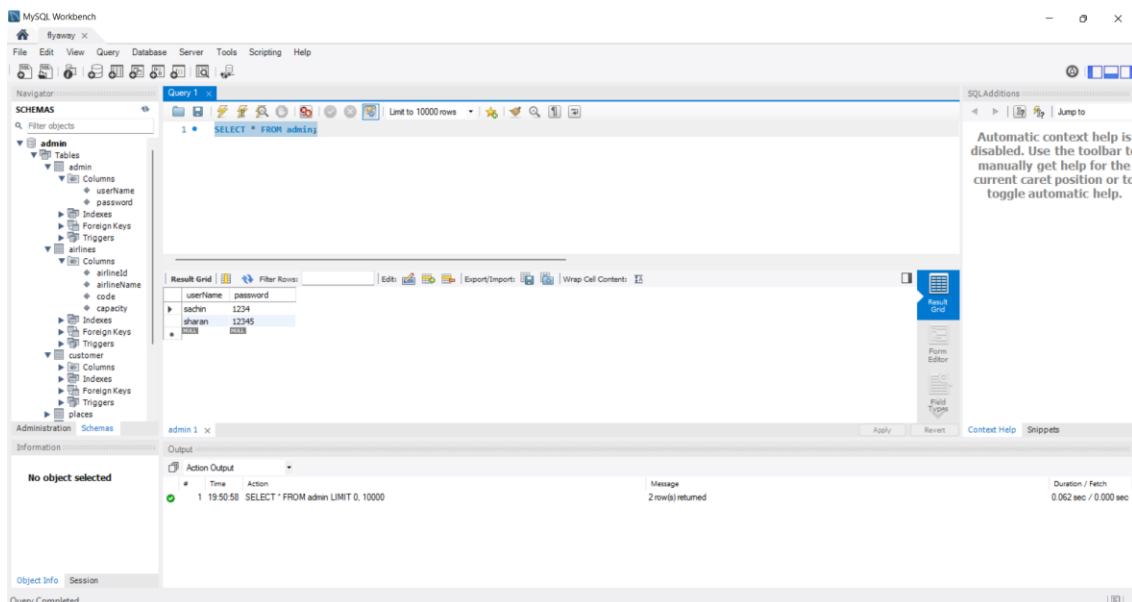




- MySQL Workbench



- admin table (SQL Workbench)



- routes table (SQL Workbench)

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'admin' selected. Under 'admin', the 'Tables' list includes 'routes'. The 'Table: routes' section shows the following columns: `routeId` (PK, varchar(45)), `fromCity` (varchar(45)), `toCity` (varchar(45)), `airline` (varchar(45)), `fromDate` (varchar(45)), `toDate` (varchar(45)), and `price` (decimal(10,2)).

The main query window shows the query: `SELECT * FROM routes`. The 'Result Grid' displays the following data:

routeId	fromCity	toCity	airline	fromDate	toDate	price
1	mb	bdar	airbus	2021-01-10	2021-01-12	800.0
2	bdar	kb	airbus	2021-11-14	2021-12-15	1000.00
3	hyb	kb	airindia	2021-12-12	2021-12-25	1500.00

The 'Action Output' window shows the execution of the query, with 3 rows returned.

- places table (SQL Workbench)

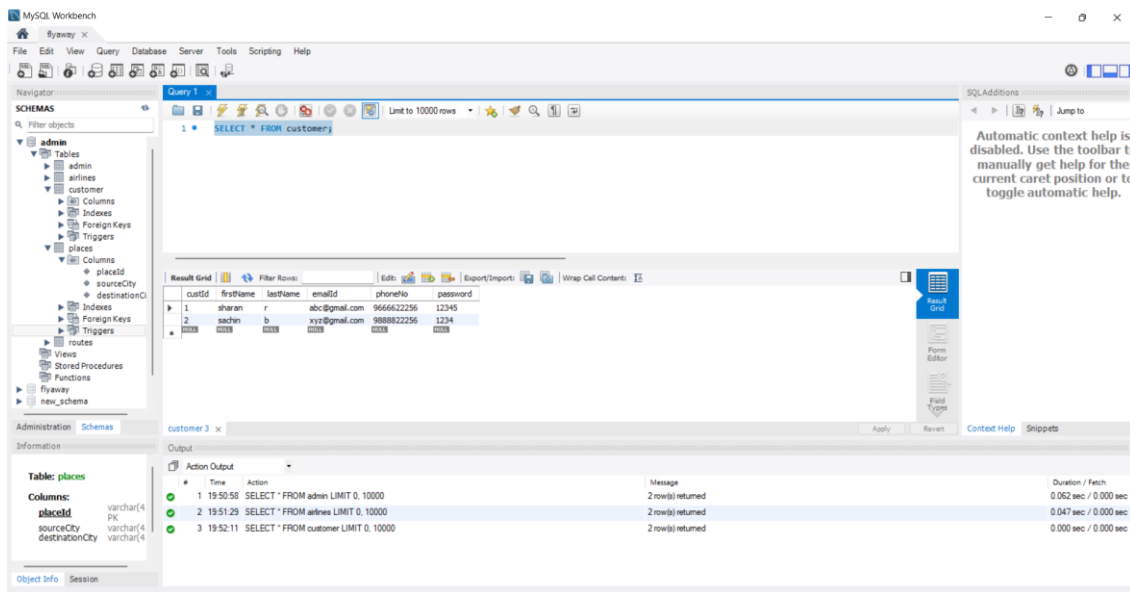
The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'admin' selected. Under 'admin', the 'Tables' list includes 'places'. The 'Table: places' section shows the following columns: `placeId` (PK, varchar(45)), `sourceCity` (varchar(45)), and `destinationCity` (varchar(45)).

The main query window shows the query: `SELECT * FROM places`. The 'Result Grid' displays the following data:

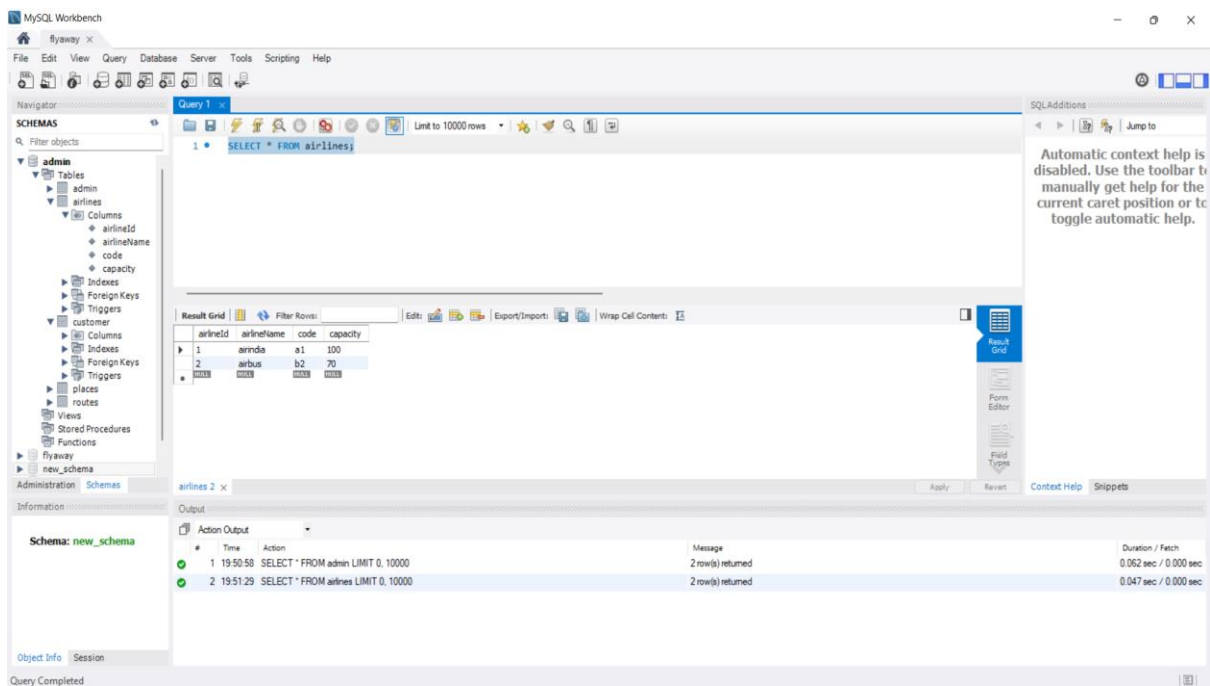
placeId	sourceCity	destinationCity
1	delhi	hyderabad
2	kb	bdar
3	bdar	kb
4	bdar	bangalore

The 'Action Output' window shows the execution of the query, with 4 rows returned.

- customer table (SQL Workbench)



- airlines table (SQL Workbench)



THANK YOU