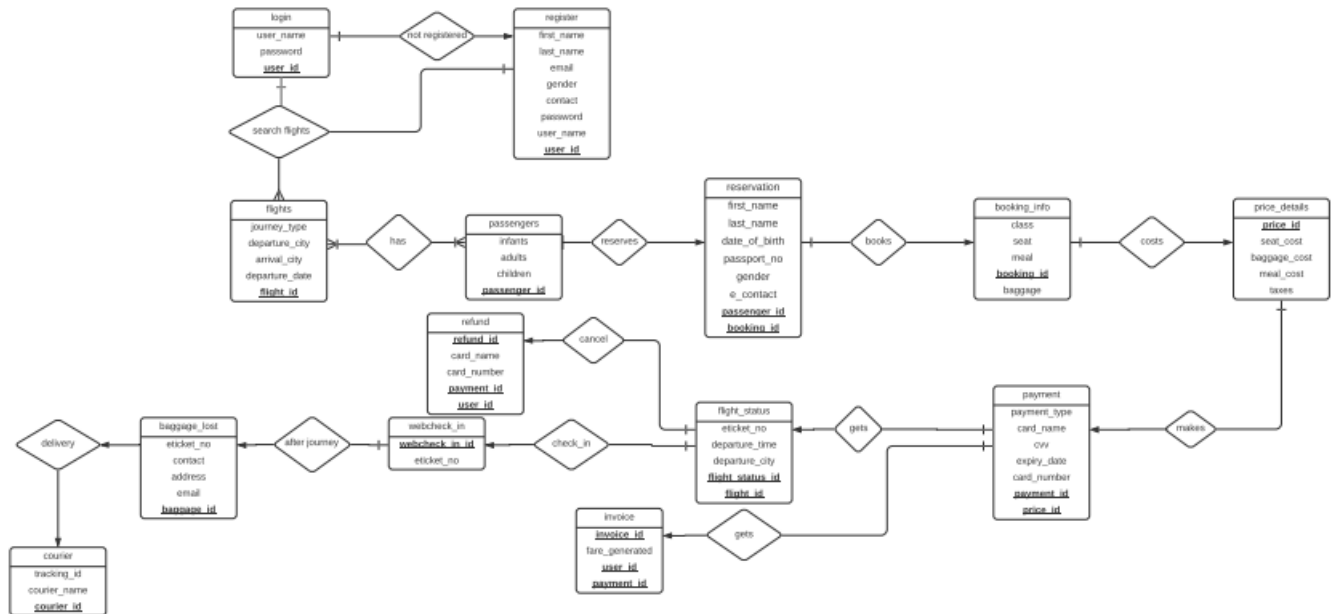


## AIRLINE TICKET BOOKING SYSTEM

### Phase 1:

ER diagram:



### Description:

The user has login credentials if user is registered with the personal details. User searches for flights then if user wants to book the flight he must enter the passengers like how many infants, children, adults are boarding the flight. Then he reserves seat for every individual who boards the flight then selects the class, seat, meal and baggage and then he gets the price for each individual and it directs to payment details. User gets the flight status details with eticketno and departure city etc.

User can web check in with his eticketno and after the journey if the baggage is lost the baggage will be sent to the address in courier and tracking id is generated.

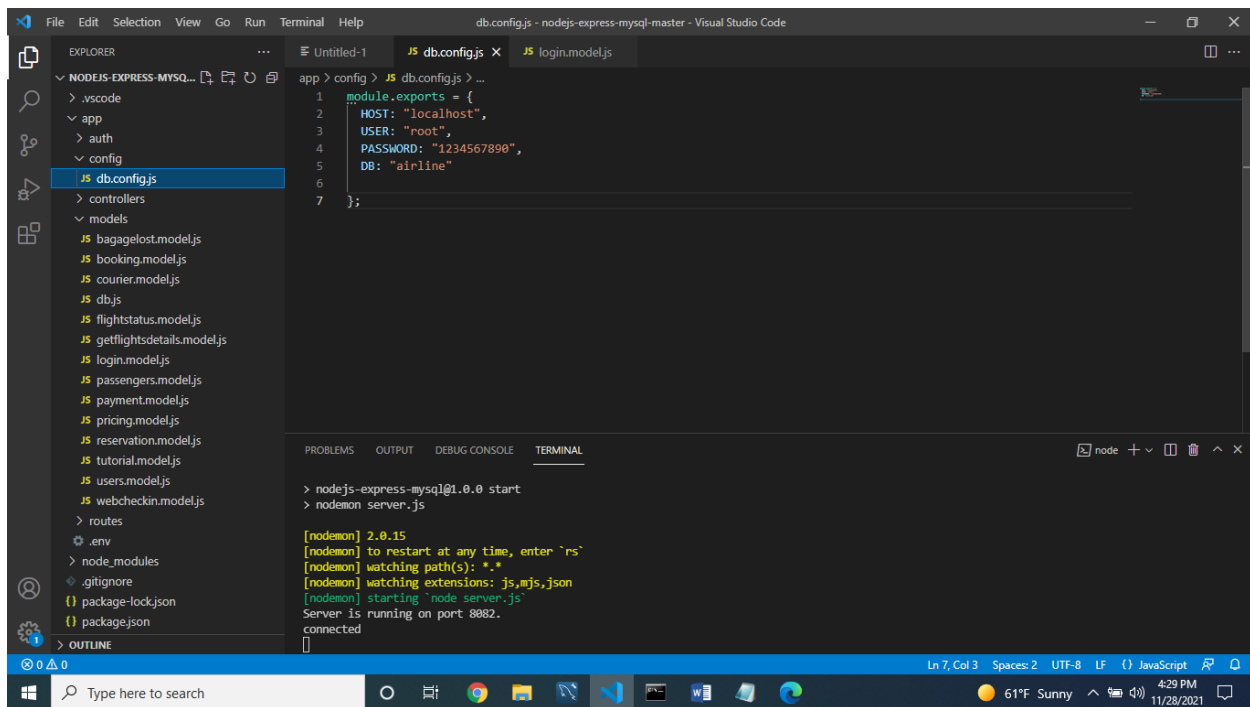
### Technologies:

Technologies used in this project is node JS and angular.

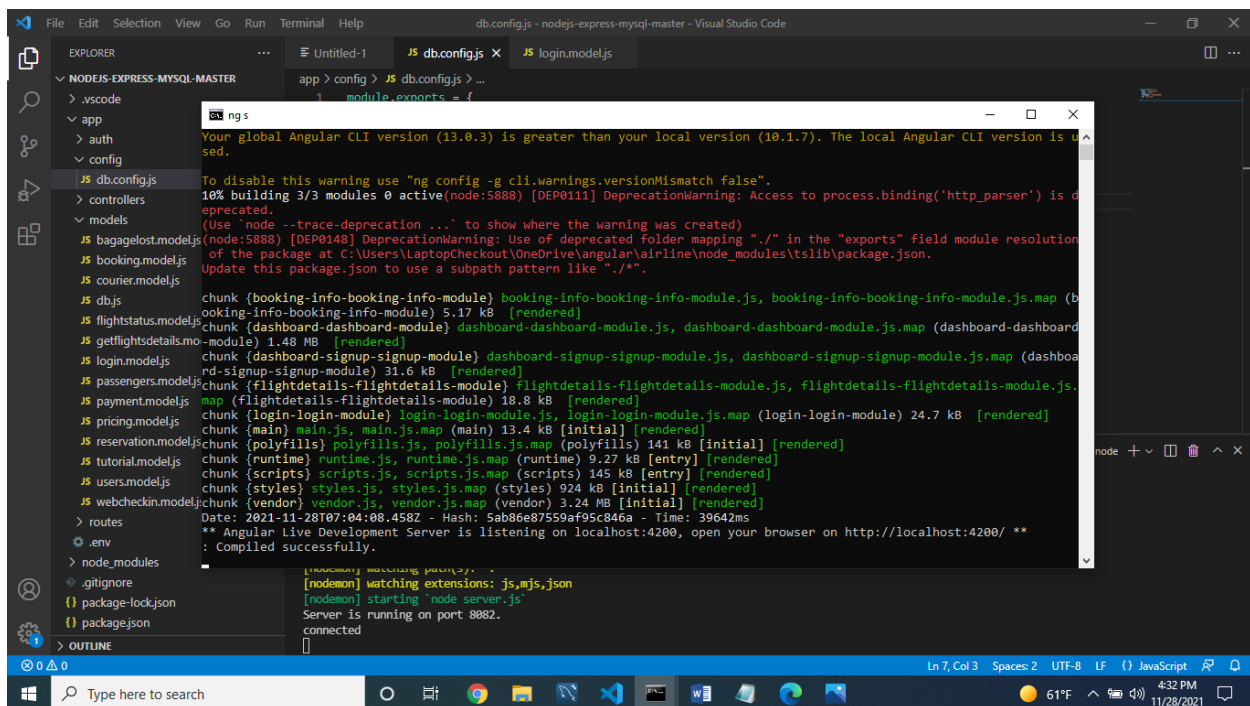
Step-1: After installing the node JS and angular. We need to open visual studio code for executing the code. unzip the files run the below commands step 2 and step 3 open project folder type npm i in vscode terminal for both nodejs and angular. After compiling successfully <http://localhost:4200/> open it in the browser.

Step-2: Connect the database in db.config. Enter the database name

Step-3: Open the node JS file in visual studio and in terminal execute the command npm run start



Step-4: Run angular in the same way in command prompt buy using the command ng s



Step-4:

From the UI we created and enter the details so that it get saves in the data base project.

Airline

localhost:4200/signup

Apps

Reading list

Welcome

Login

pragnya

pragnya@gmail.com

G

1234567890

\*\*\*\*\*

☐ Male ☒ Female

Register

MySQL Workbench

airlineapp x air x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

airline

Tables

baggagelost

booking\_info

courier

flights

flightstatus

login

passengers

pricedetails

reservation

users

webcheckin

Administration Schemas

Information

Table: login

Columns:

id int(11)

email varchar(45)

SQL File 1\*

1

2 USE airline;

3

4 SELECT \* FROM users;

5 SELECT \* FROM loginusers;

Result Grid

userid	firstname	lastname	email	mobile	password	gender
44	sawathi	P	swathi@gmail.com	1234567789	\$2b\$10\$6lmhjn0xRZ3qkq5cdD20brdJc5T...	female
45	santosh	P	p.santosh9420@gmail.com	1234567890	\$2b\$10\$84VwXt0LauG5mw8khVa.JW4ao...	male
46	santoshreddy	P	p.santosh2403@gmail.com	1234567890	\$2b\$10\$859/yZTC23Zbwww5rLz7b.MlFuSX...	male
47	Mounika	Y	mounika@gmail.com	1234567890	\$2b\$10\$T1ymLd8/qdHPD2c6vI.9Bk5CbJ...	female
48	sweetie	G	sweetie@gmail.com	1234567890	\$2b\$10\$LL14vdgk73SDRBNvCv1Sr.T4Canm...	female
49	sawathi	P	swathi123@gmail.com	1234567789	\$2b\$10\$8pa0wdqpmbrUuK7BDROAvrWQ...	female
50	mouna	Y	mouna@gmail.com	123456789	\$2b\$10\$85ojdf77gsA.gOnZwy/ggOyKOSjeZ...	female
51	mouna	Y	mouna123@gmail.com	123456789	\$2b\$10\$aeHrkoReUqMhN/RmhWVeSe0L5R...	female
52	mouna	Y	mouna1234@gmail.com	123456789	\$2b\$10\$8d3hgh2MQG/WaCu9PhdOmLjth...	female
53	mouna	Y	mouna12356@gmail.com	123456789	\$2b\$10\$85vCz281A1yQF96d9mleQDg85...	female
54	mouna	Y	mouna123567@gmail.com	123456789	\$2b\$10\$6A7YK0Wz.t5Ca8c.MK0swOnt.g5V...	female
55	san	P	test@gmail.com	1234567890	\$2b\$10\$e8thp.hG9pCd4H4gmm8pSO0LZl/d...	male
56	pragnya	G	pragnya@gmail.com	1234567890	\$2b\$10\$y8hvz92R0uKESd86WQOHgOhr...	female

users 51 x

Output

Action Output

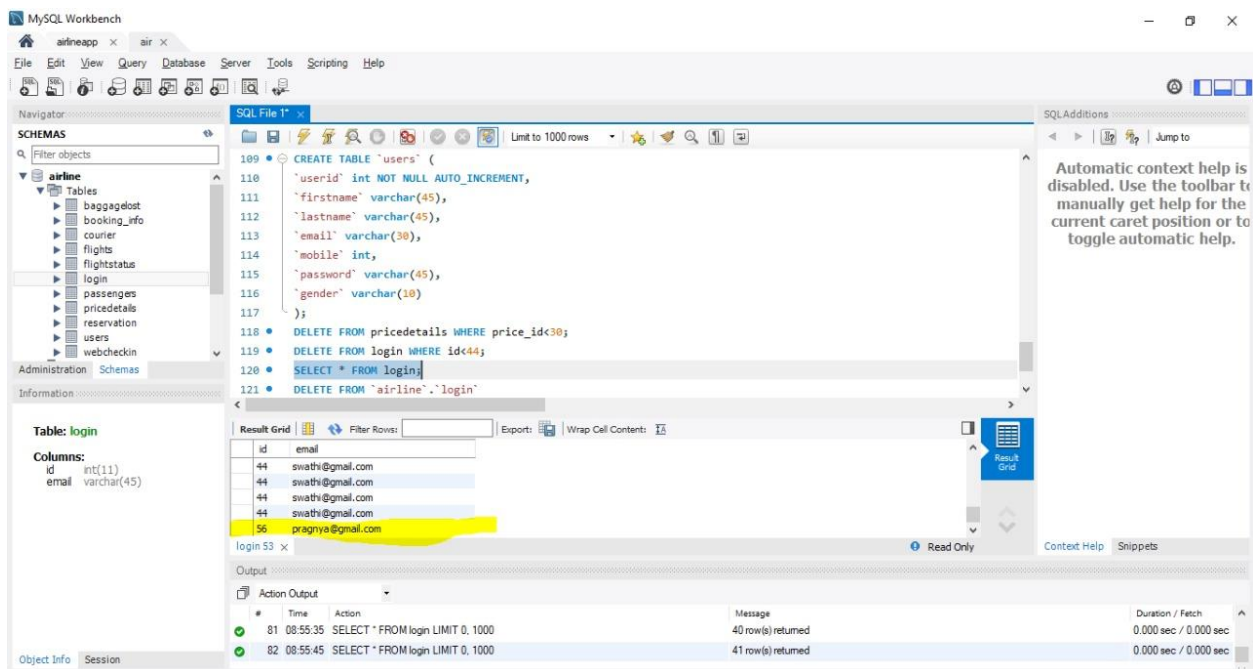
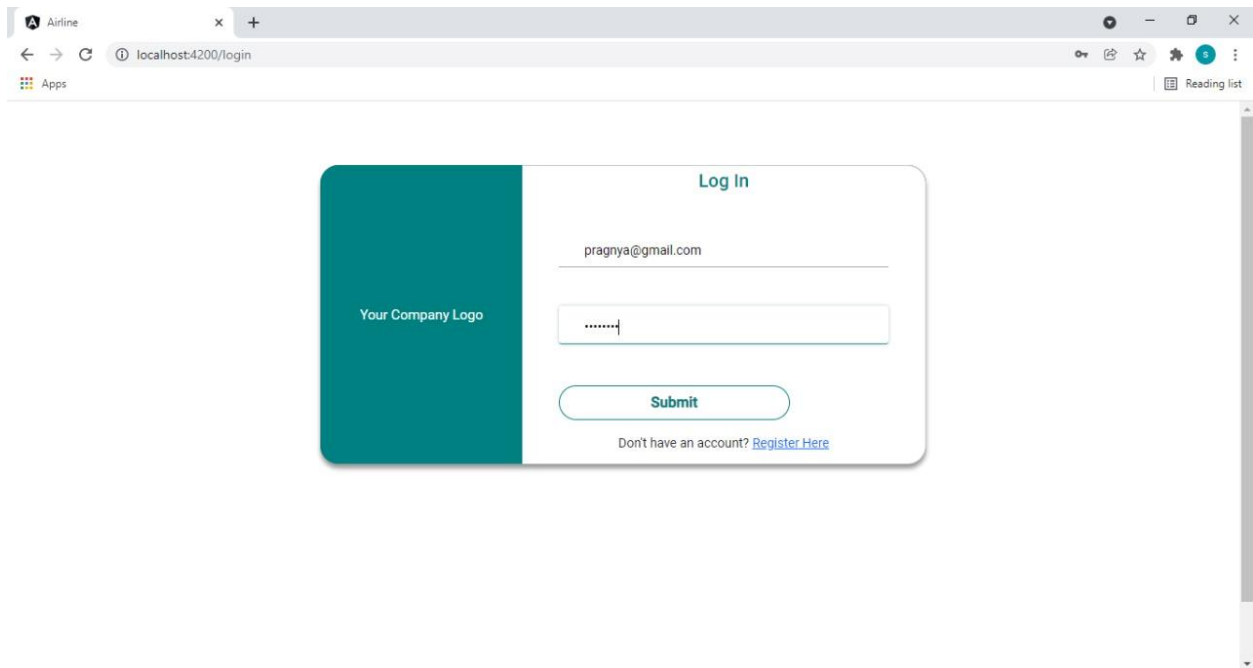
#	Time	Action	Message	Duration / Fetch
79	08:46:12	SELECT * FROM login LIMIT 0, 1000	39 row(s) returned	0.000 sec / 0.000 sec
80	08:53:43	SELECT * FROM users LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

After register get into login page.



Step-5: Searching Flights

MySQL Workbench

airlineapp x air x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

airline

Tables

baggagelost

booking\_info

counter

flights

flightstatus

login

passengers

pricedetails

reservation

users

webcheckin

Administration Schemas

Information

Table: login

Columns:

id int(11)

email varchar(45)

SQL File 1\*

Limit to 1000 rows

```

114 *mobile* int,
115 *password* varchar(45),
116 *gender* varchar(10)
117 );
118 • DELETE FROM pricedetails WHERE price_id<50;
119 • DELETE FROM login WHERE id<44;
120 • SELECT * FROM flights;

```

Result Grid

journeytype	depaturecity	arrivalcity	depaturedate	flightid
oneway	hyderabad	newyork	11/26/2021	1234567
oneway	hyderabad	texas	11/27/2021	123456789
oneway	hyderabad	texas	11/27/2021	123456789
oneway	hyderabad	dallas	11/28/2021	1234567890

flights 54 x

Read Only

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
78	08:46:05	DELETE FROM 'airline' login WHERE id=44	Error Code: 1175. You are using safe update mode and you tried to update a table without...	0.000 sec
79	08:46:12	SELECT * FROM login LIMIT 0, 1000	39 row(s) returned	0.000 sec / 0.000 sec
80	08:53:43	SELECT * FROM users LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec
81	08:55:35	SELECT * FROM login LIMIT 0, 1000	40 row(s) returned	0.000 sec / 0.000 sec
82	08:55:45	SELECT * FROM login LIMIT 0, 1000	41 row(s) returned	0.000 sec / 0.000 sec
83	08:57:17	SELECT * FROM flightdetails LIMIT 0, 1000	Error Code: 1146. Table 'airline.flightdetails' doesn't exist	0.016 sec
84	08:57:35	SELECT * FROM flights LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Airline

localhost:4200/dashboard/flightdetails

Apps

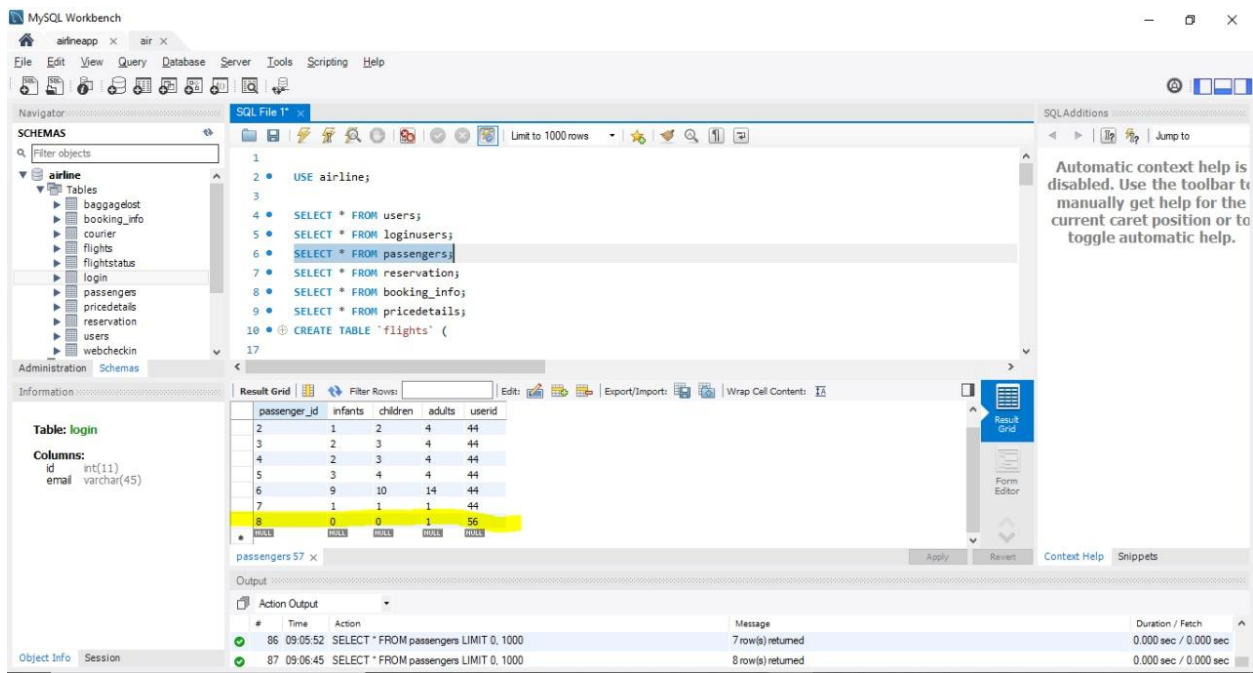
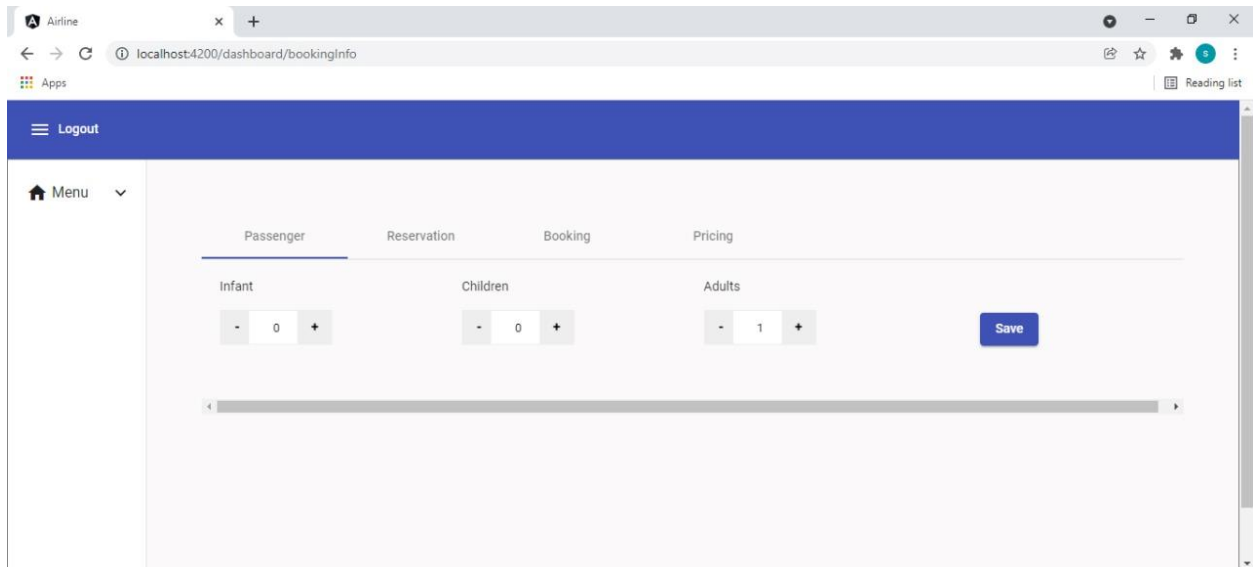
Reading list

Logout

Menu

journeytype	depaturecity	arrivalcity	depaturedate	flightid	booking
oneway	hyderabad	newyork	11/26/2021	1234567	Book
oneway	hyderabad	texas	11/27/2021	123456789	Book
oneway	hyderabad	texas	11/27/2021	123456789	Book
oneway	hyderabad	dallas	11/28/2021	1234567890	Book

Passengers:



Reservation:

Airline

localhost:4200/dashboard/bookingInfo

Apps

Reading list

Logout

Menu

Passenger

Reservation

Booking

Pricing

First Name

pragnya

Last Name

G

Date of birth

4/29/1999

Passport Number

123456

☐ Male ☒ Female

Save

MySQL Workbench

airlineapp x air x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

airline

Tables

baggageLost

booking\_info

courier

flights

flightstatus

login

passengers

pricedetails

reservation

users

webcheckin

Administration Schemas

Information

Table: login

Columns:

id int(11)

email varchar(45)

SQL File 1\*

```
1
2  USE airline;
3
4  SELECT * FROM users;
5  SELECT * FROM loginusers;
6  SELECT * FROM passengers;
7  SELECT * FROM reservation;
8  SELECT * FROM booking_info;
9  SELECT * FROM pricedetails;
10 CREATE TABLE `flights` (
17
```

Result Grid

firstname	userid	lastname	date_of_birth	passport_no	gender	passenger_id	booking_id
chintu	44	G	2021-11-27T18:30:00.000Z	123456789	male	2	3
pragnya	56	G	1999-04-28T18:30:00.000Z	123456	female	8	4

reservation 59 x

Apply Revert

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
88	09:09:09	SELECT * FROM reservation LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
89	09:09:16	SELECT * FROM reservation LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Booking\_info:



Airline

localhost:4200/dashboard/bookingInfo

Apps

Reading list

Logout

Menu

Passenger

Reservation

Booking

Pricing

Class: economy

Seats: 1

Meals: chicken

Baggage: 1

Save

MySQL Workbench

airlineapp x air x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

airline

Tables

baggedlost

booking\_info

courier

flights

flightstatus

login

passengers

pricedetails

reservation

users

webcheckin

Administration Schemas

Information

Table: login

Columns:

id int(11)

email varchar(45)

SQL File 1\*

1

2 USE airline;

3

4 SELECT \* FROM users;

5 SELECT \* FROM loginusers;

6 SELECT \* FROM passengers;

7 SELECT \* FROM reservation;

8 SELECT \* FROM booking\_info;

9 SELECT \* FROM pricedetails;

10 CREATE TABLE `flights` (

17

Result Grid

class	userid	seat	meal	booking_id	baggage
economy	56	1	chicken	4	1

booking\_info 61 x

Read Only

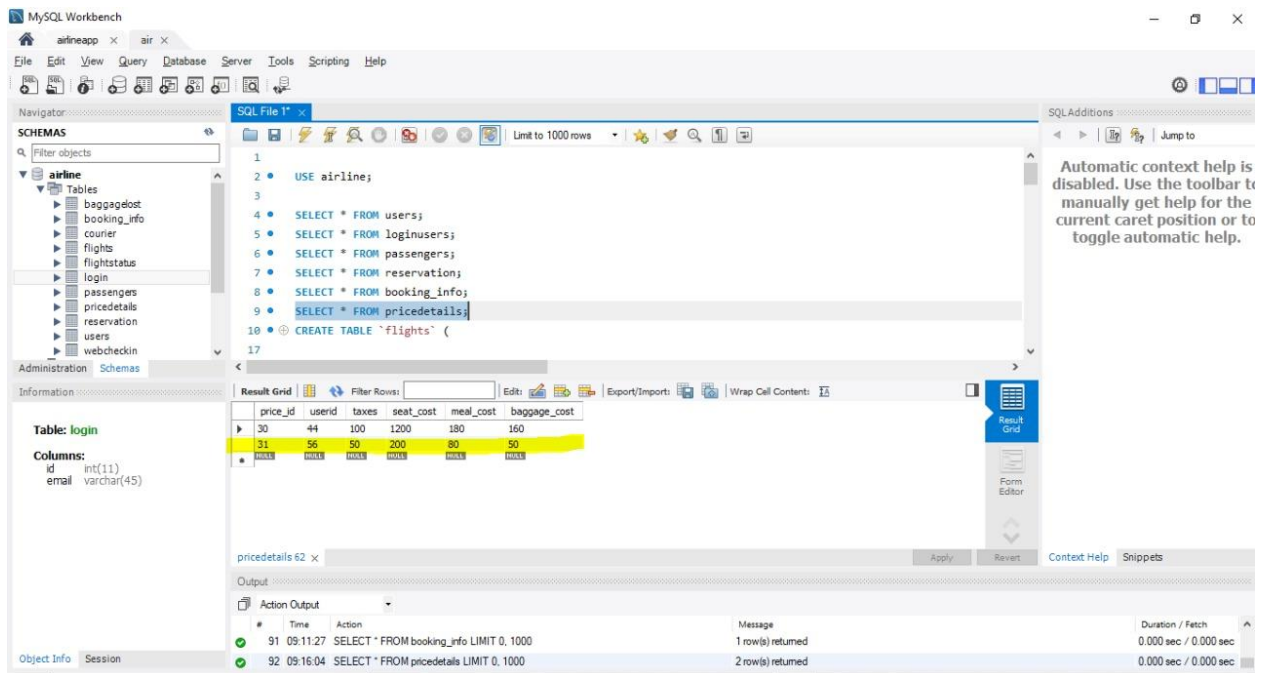
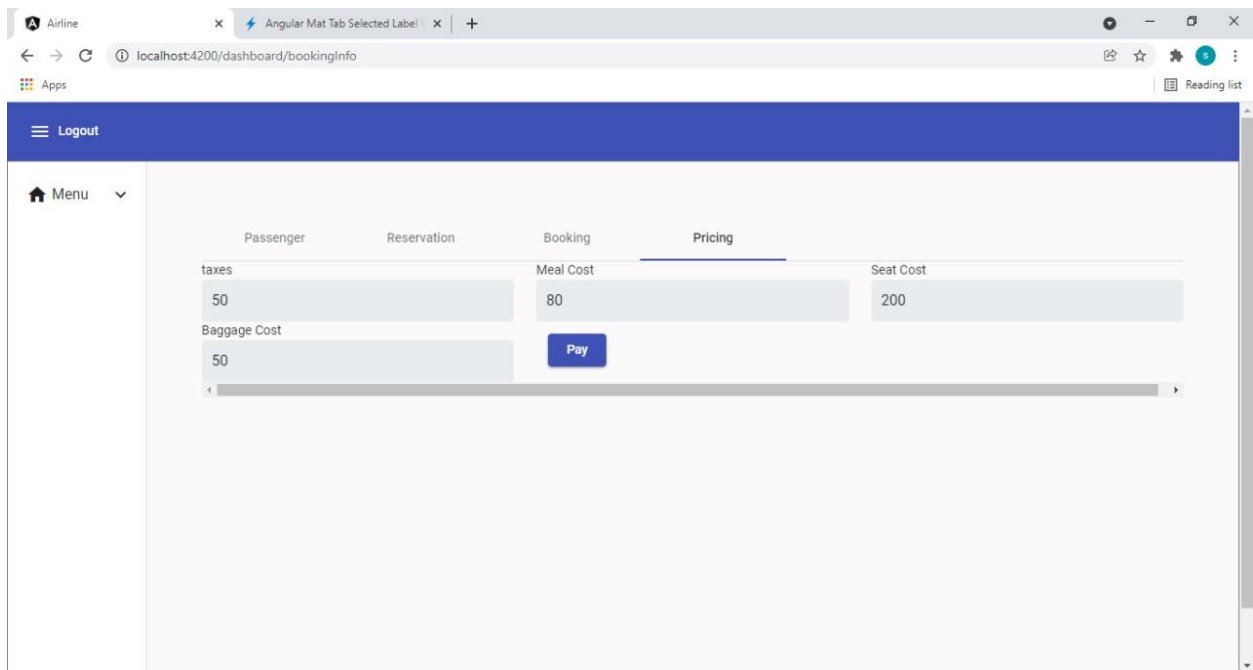
Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
90	09:11:19	SELECT * FROM booking_info LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
91	09:11:27	SELECT * FROM booking_info LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Price\_details:





Payment:

Airline x Angular Mat Tab Selected Label x +

localhost:4200/dashboard/payment

Apps Reading list

Logout

Menu

Payment Type

card

Card Name

master

Card Number

1234567890123456

Cvv

123

Expiry Year

2025

Expiry Month

2

Pay

MySQL Workbench

airlineapp x air x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

airline

Tables

baggageLost

booking\_info

counter

flights

flightstatus

login

passengers

pricedetails

reservation

users

webcheckin

Administration Schemas

Information

Table: login

Columns:

id int(11)

email varchar(45)

SQL File 1\*

```

111 'firstname' varchar(45),
112 'lastname' varchar(45),
113 'email' varchar(30),
114 'mobile' int,
115 'password' varchar(45),
116 'gender' varchar(10)
117 );
118 DELETE FROM pricedetails WHERE price_id<30;
119 DELETE FROM login WHERE id<44;
120 SELECT * FROM pricedetails;
121 SELECT * FROM payments;

```

Result Grid

payment_type	cardname	cardnumber	cvv	expiryyear	expirymonth	payment_id	price_id	userid
sds	ds	212	212	212	21212	16	2	44
cash	d	2323	323	323	323	17	2	44
cash	dds	2323	323	23	23232	18	2	44
cash	d	434	434	34	43434	19	2	44
cash	cash	43434	434	434	4343	20	2	44
cash	cash	23	323	323	32323	21	2	44
card	master	1234567890123...	123	2025	2	22	2	56

payment 64 x

Output

#	Time	Action	Message	Duration / Fetch
93	09:19:01	SELECT * FROM pricedetails LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
94	09:19:50	SELECT * FROM payment LIMIT 0, 1000	22 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Flightstatus:

MySQL Workbench

airlineapp x air x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

airline

Tables

baggageclaim

booking\_info

courier

flights

flightstatus

login

passengers

pricedetails

reservation

users

webcheckin

Administration Schemas

Information

Table: login

Columns:

id int(11)

email varchar(45)

SQL File 1

Find

Limit to 1000 rows

Done

112 'lastname' varchar(45),

113 'email' varchar(30),

114 'mobile' int,

115 'password' varchar(45),

116 'gender' varchar(10)

117 );

118 DELETE FROM pricedetails WHERE price\_id<30;

119 DELETE FROM flightstatus WHERE user\_id=51;

120 SELECT \* FROM flightstatus;

121 SELECT \* FROM oavment;

Result Grid

Filter Rows

Edit

Export/Import

Wrap Cell Content

Result Grid

Form Editor

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
106	09:45:52	INSERT INTO flightstatus values(12345645,'hyd','newyork','26/2021','35','56')	1 row(s) affected	0.000 sec
107	09:45:58	SELECT * FROM flightstatus LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Webcheckin:

Airline

localhost:4200/dashboard/checkin

Apps

Reading list

Logout

Menu

CheckIn

Flight Status

Flight Search

E Ticket Number

12345645

Courier:

Airline x +

localhost:4200/dashboard/courier

Apps Reading list

Logout

Menu

- CheckIn
- Flight Status
- Flight Search
- Courier
- baggage Loss
- Refund

Tracing Id

TS67555R3

Courier Name

FEDEX

## Refund

Airline x +

localhost:4200/dashboard/refund

Apps Reading list

Logout

Menu

- CheckIn
- Flight Status
- Flight Search
- Courier
- baggage Loss
- Refund

Card Number

1234567890123456

Card Name

master

Payment Id

22

Baggage\_lost:

Airline

localhost:4200/dashboard/baggageLoss

Apps

Logout

Menu

- CheckIn
- Flight Status
- Flight Search
- Courier
- baggage Loss
- Refund

E Ticket Number: 12345645

Address: 1005, chicago street

email: pragnya@gmail.com

Using API we fetched data and put it into the third party library and generated invoice.

Invoice:

1e6f5582-765d-4213-9300-ba78dd42b612

1 / 1 | 100% +

Flight INVOICE

Customer Details

pragnya G  
123456  
pragnya@gmail.com  
1234567890  
380

Signature

Select statements:

```
SELECT `login`.`userid`,
       `login`.`email`,
```

```

        `login`.`password`
FROM `airline`.`login`;

SELECT `users`.`firstname`,
        `users`.`lastname`,
        `users`.`userid`,
        `users`.`gender`,
        `users`.`mobile`,
        `users`.`password`,
        `users`.`email`
FROM `airline`.`users`;

SELECT `flights`.`departure_city`,
        `flights`.`arrival_city`,
        `flights`.`departure_date`,
        `flights`.`journey_type`,
        `flights`.`flight_id`
FROM `airline`.`flights`;

CREATE TABLE `passengers` (
    `passenger_id` int(11) NOT NULL AUTO_INCREMENT,
    `infants` int(11) NOT NULL,
    `children` int(11) NOT NULL,
    `adults` int(11) NOT NULL,
    PRIMARY KEY (`passenger_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

SELECT `reservation`.`booking_id`,
        `reservation`.`passenger_id`,
        `reservation`.`firstname`,
        `reservation`.`lastname`,
        `reservation`.`passport_no`,
        `reservation`.`date_of_birth`,
        `reservation`.`gender`,
        `reservation`.`contact`
FROM `airline`.`reservation`;

SELECT `booking_info`.`class`,

```

```

        `booking_info`.`seat`,
        `booking_info`.`meal`,
        `booking_info`.`baggage`,
        `booking_info`.`booking_id`
FROM `airline`.`booking_info`;

SELECT `payment`.`price_id`,
        `payment`.`payment_id`,
        `payment`.`payment_type`,
        `payment`.`card_number`,
        `payment`.`cvv`,
        `payment`.`card_name`,
        `payment`.`expiry_date`
FROM `airline`.`payment`;

SELECT `invoice`.`invoice_id`,
        `invoice`.`payment_id`,
        `invoice`.`fare_generated`,
        `invoice`.`userid`
FROM `airline`.`invoice`;

SELECT `price_details`.`price_id`,
        `price_details`.`seat_cost`,
        `price_details`.`meal_cost`,
        `price_details`.`baggage_cost`,
        `price_details`.`taxes`
FROM `airline`.`price_details`;

SELECT `invoice`.`invoice_id`,
        `invoice`.`payment_id`,
        `invoice`.`fare_generated`,
        `invoice`.`userid`
FROM `airline`.`invoice`;

SELECT `flightstatus`.`eticketno`,
        `flightstatus`.`flightstatus_id`,
        `flightstatus`.`departure_time`,
        `flightstatus`.`departure_city`,

```



```
`flightstatus`.`flight_id`  
FROM `airline`.`flightstatus`;  
SELECT `baggage_lost`.`baggage_id`,  
       `baggage_lost`.`eticketno`,  
       `baggage_lost`.`contact`,  
       `baggage_lost`.`address`,  
       `baggage_lost`.`email`  
FROM `airline`.`baggage_lost`;  
SELECT `courier`.`tracking_id`,  
       `courier`.`courier_name`  
FROM `airline`.`courier`;  
SELECT `webcheckin`.`webcheckin_id`,  
       `webcheckin`.`eticketno`  
FROM `airline`.`webcheckin`;  
SELECT `refund`.`refund_id`,  
       `refund`.`card_name`,  
       `refund`.`card_number`,  
       `refund`.`payment_id`  
FROM `airline`.`refund`;  
SELECT `courier`.`tracking_id`,  
       `courier`.`courier_name`  
FROM `airline`.`courier`;  
SELECT `passengers`.`passenger_id`,  
       `passengers`.`infants`,  
       `passengers`.`children`,  
       `passengers`.`adults`  
FROM `airline`.`passengers`;
```