

# AIRPORT-PASSENGER MANAGEMENT DATABASE SYSTEM

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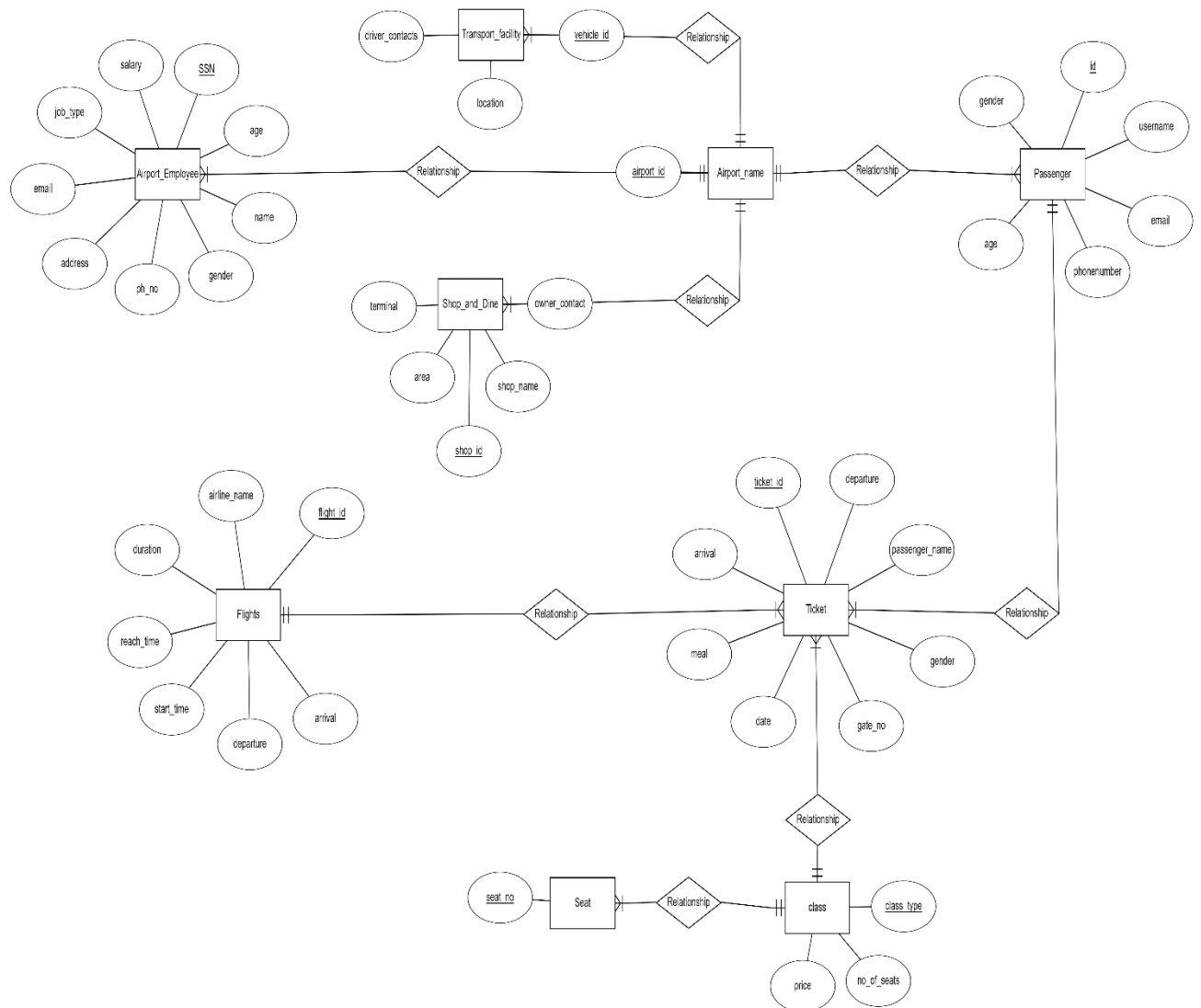
## FEATURES OF OUR WEBSITE

- FACILITIES AVAILABLE IN AIRPORT
- LOGIN/SIGNUP INTO OUR WEBSITE
- TICKET BOOKING BASED ON ARRIVAL, DEPARTURES AND DATE OF TRAVEL
- CANCELLATION OF TICKETS
- VIEW YOUR BOOKINGS TICKET DISPLAY AFTER BOOKING FLIGHTS
- DISPLAY BASED ON ARRIVAL, DEPARTURE AND DATE OF TRAVEL

## TECH STACK

- HTML
- CSS
- JAVASCRIPT
- MYSQL
- EXPRESS Js
- NODE Js

# ER DIAGRAM



## ENTITIES:

AIRPORT\_NAME

PASSENGER

TICKET

FLIGHTS

CLASS

SEAT

AIRPORT\_EMPLOYEE

SHOP\_AND\_DINE

TRANSPORT\_FACILITY

## ER DESCRIPTION:

We developed the website for the airport of Indore “DEVI AHILYABAI HOLKAR AIRPORT”. So the entity AIRPORT\_NAME has the airport id of DEVI AHILYABAI HOLKAR AIRPORT as its primary key.

The entity PASSENGER has various attributes namely id, username, email, phone number, age, gender in which id is the primary key. Whenever a passenger logs in to our airport website the table AIRPORT\_NAME stores the details of the passenger through the help of foreign key passenger\_id referencing id in the entity PASSENGER.

The entity Flight comprises all the data about what flights are in service under the airport DEVI AHILYABAI HOLKAR. It holds the information about arrival and departure places , start\_time , reach\_time , airline name and flight\_id where flight\_id is the primary key.

The entity CLASS says about the different classes available in the flight opted. It has the attributes class\_type , price and no\_of\_seats in which class\_type is the primary key and no\_of\_seats says about the total seats available in a particular class in total.

The SEAT entity consists of the seat\_no as its primary key and a foreign key class\_type which refers to class\_type in the entity CLASS.

The TICKET entity contains all the details of the passengers who have booked their tickets. The details include ticket\_id, passenger\_name , arrival , departure , seat\_id , seat\_no , gate\_no , gender(of the passenger) , date , meal .Passenger\_id which is foreign key referencing id in the entity PASSENGER , flight\_id is a foreign key which refers to the flight\_id in the entity FLIGHT. Seat\_no and class\_type are other foreign keys referencing seat\_no and class\_type in the entities SEAT and CLASS respectively.

So far we have only described about the entities concerned with the passenger and his/her details of bookings, now coming to the airport facilities , we also created databases for shops and other facilities that the airport provides.

The entity TRANSPORT \_FACILITY stores the information about different transport facilities that the airport offers for the passengers on arriving to the airport. It includes the following details , vehicle\_id , driver\_contact , location. Vehicle\_id is the primary key. Airport\_id id the foreign key referencing airport\_id in AIRPORT\_NAME. It conveys that these transport facilities are present in that particular airport.

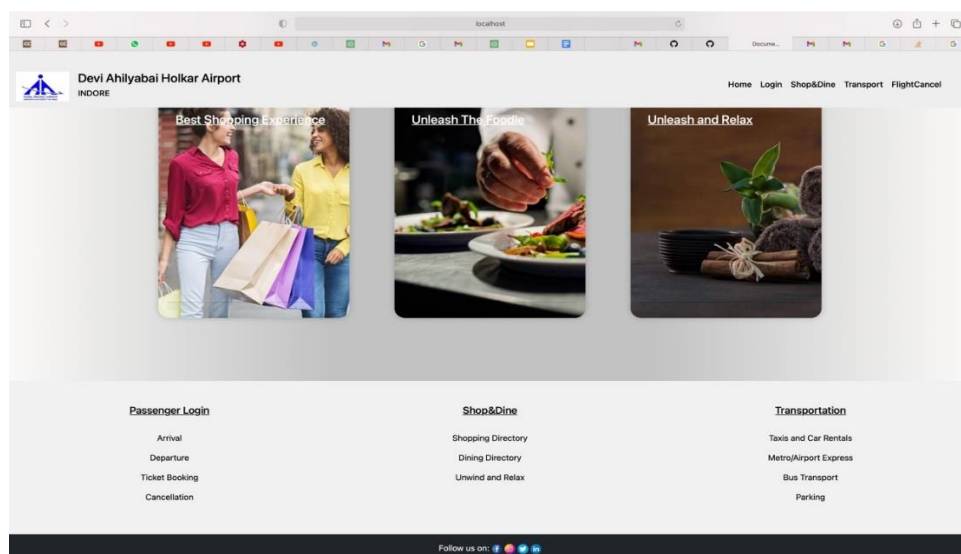
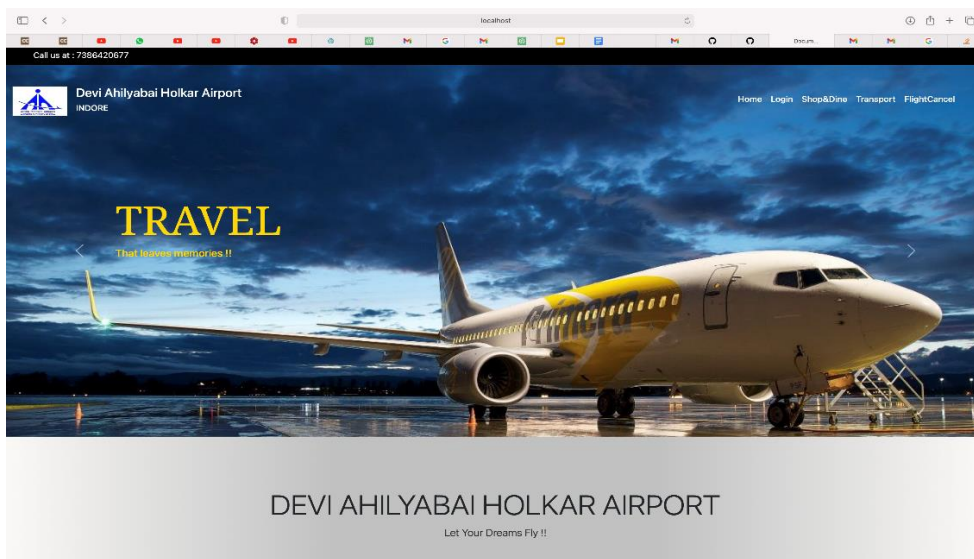
The entity SHOP\_AND\_DINE stores the information about different dining and shopping directories present in the airport . It includes the following details , shop\_id , owner\_contact , area,shop\_name,terminal . shop\_id is the primary key. Airport\_id id the foreign key referencing airport\_id in AIRPORT\_NAME.

The entity AIRPORT\_EMPLOYEE has the records of all the employees working under this airport. It stores details which include SSN(of the employee) , name , email, ph\_no , age,gender , address, job\_type , salary. SSN is the primary key. AIRPORT\_NAME entity has SSN as a foreign key referencing SSN in AIRPORT\_EMPLOYEE.

## WORKING OF WEBSITE:

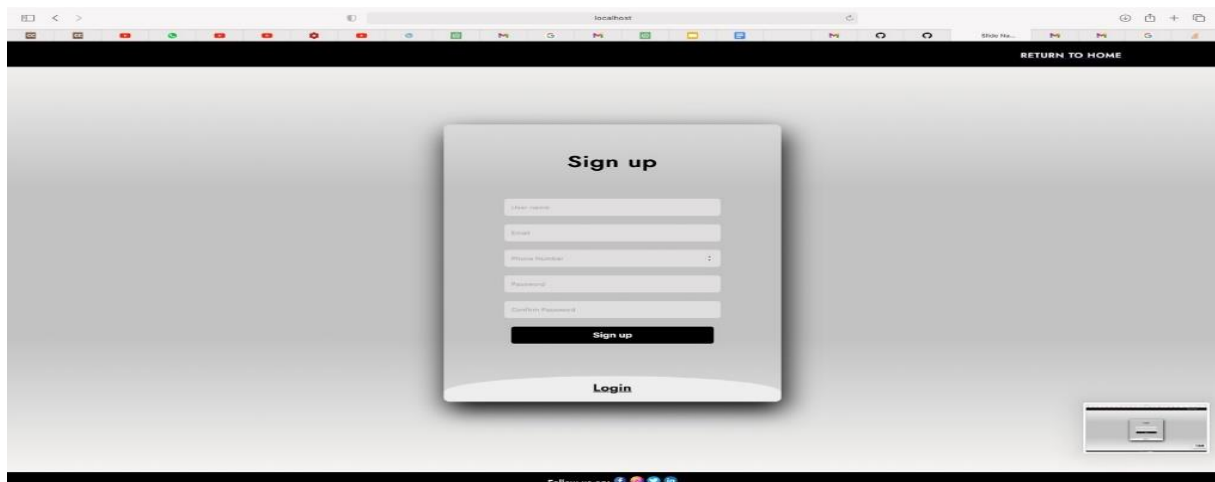
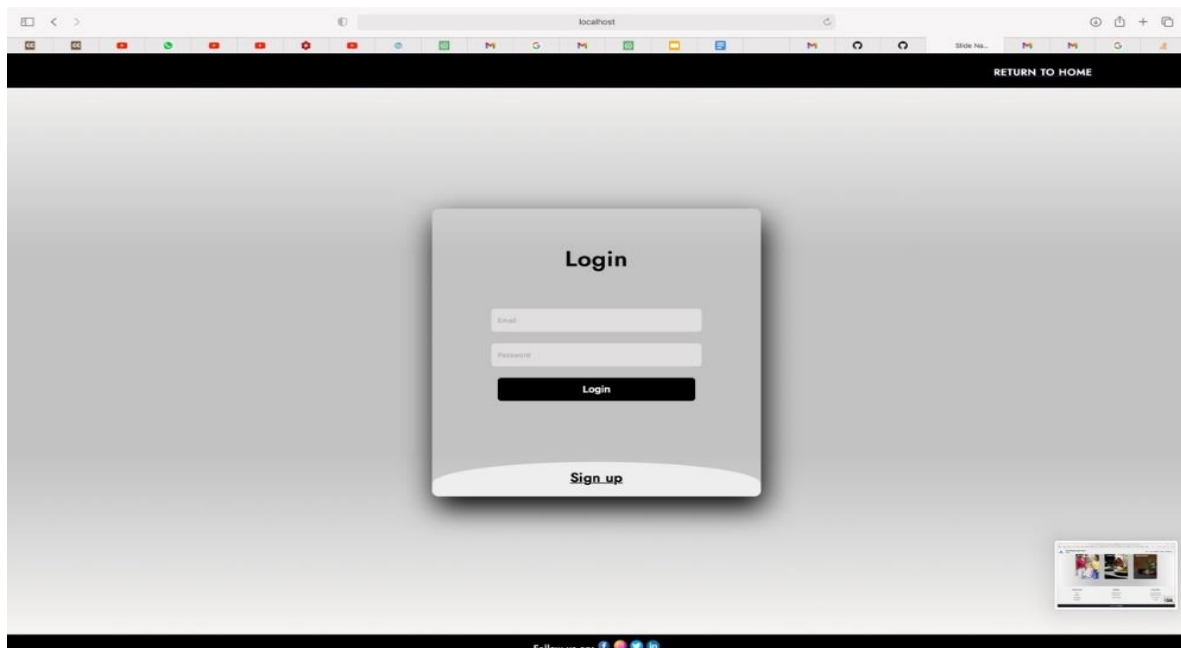
### HOME PAGE.

We designed our home page as shown below which gives the user a brief idea about what this website and the airport facilitates him/her with. The anchor tag “Home” directs the user to the same page that is home page.



## LOGIN/SIGNUP

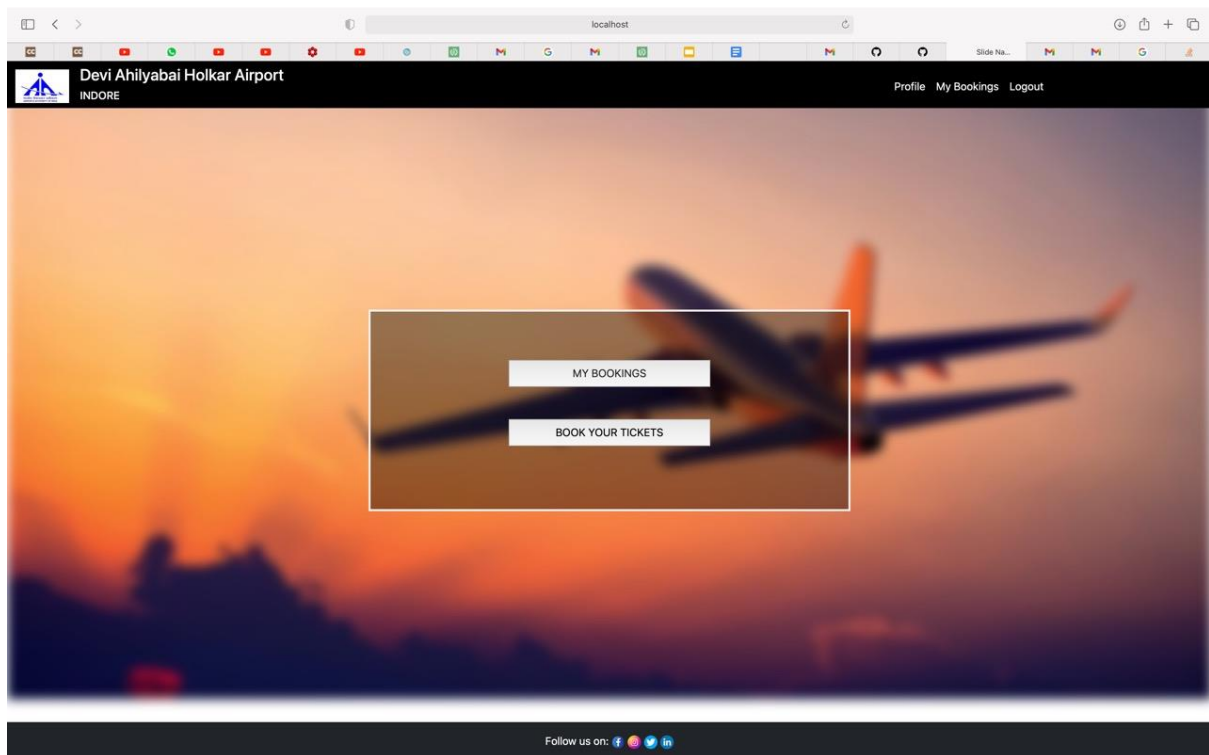
“Login” anchor tag directs you to a login page , where you can login to book your tickets or can sign in if you don’t have an existing account. When a new user registers that is when he sign up , his details get stored in our database. Further working about how to book your tickets , or view your bookings and cancel them will be described later in the description.



Result Grid					
Filter Rows: Search					
	id	username	email	phonenumber	password
▶	1	SRAVYA	sravyadevani@gmail.com	81974032832	sravya

## PROFILE PAGE

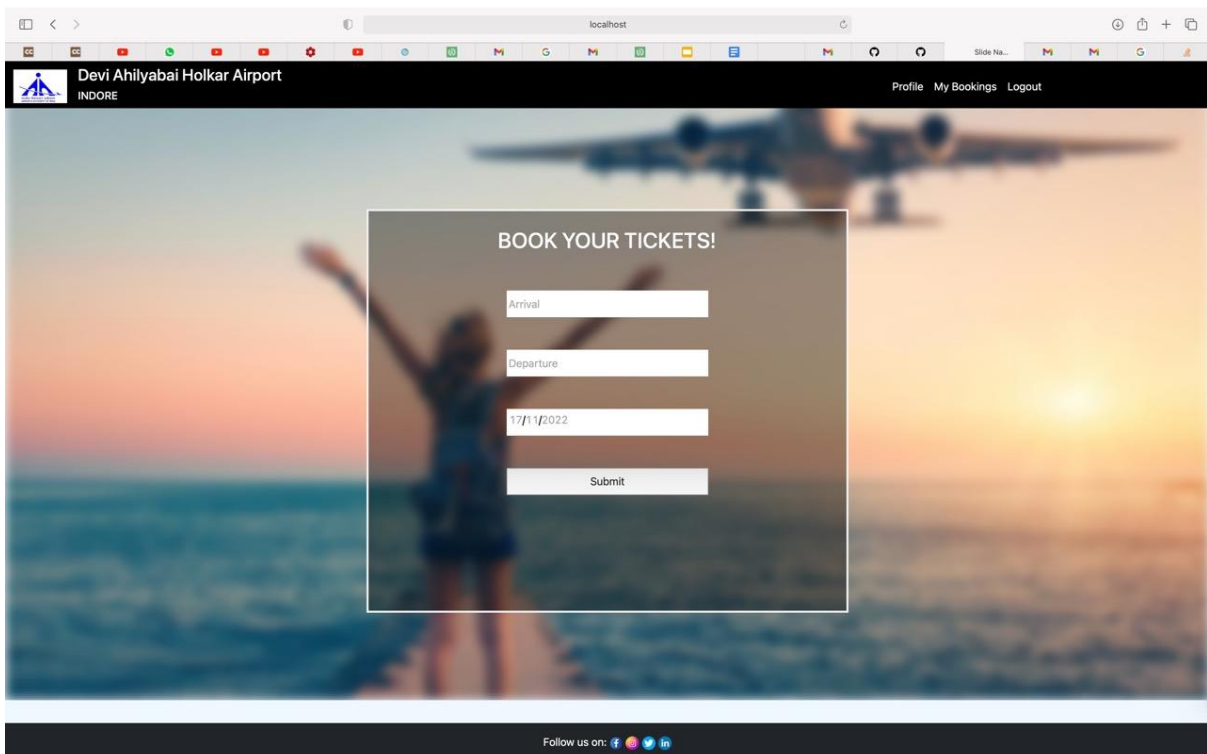
After you login you will end up at profile page, which provides you with options to book your tickets when you click on “BOOK YOUR TICKETS” option.





## BOOK YOUR TICKETS:

You can search for the flights depending on the arrival, departure places you want to travel and the date of travel. When you submit the form , it will direct you to a page where you can see the available flights based on the details entered.



The screenshot displays a web browser window with the URL 'localhost'. The page header includes the logo of Devi Ahilyabai Holkar Airport, Indore, and navigation links for Profile, My Bookings, and Logout. The main content area features a large, semi-transparent form titled 'BOOK YOUR TICKETS!'. The form contains three input fields: 'Arrival', 'Departure', and a date field set to '17/11/2022'. A 'Submit' button is located at the bottom of the form. The background image shows a person standing on a beach with their arms raised, and an airplane flying in the sky over the ocean.

Devi Ahilyabai Holkar Airport  
INDORE

Profile My Bookings Logout

**BOOK YOUR TICKETS!**

Arrival

Departure

17/11/2022

Submit

Follow us on: [f](#) [t](#) [i](#) [in](#)

## FLIGHTS AVAILABLE

Here I have searched for the flights going from Delhi to Indore in the page before and here we get these results. Fill the details shown below and you are all done to fly from Delhi to Indore. When u submit this form, your tickets get booked and the details of the passenger and the flight he is boarding get saved in our database.

localhost

Devi Ahilyabai Holkar Airport  
INDORE

Profile MY Bookings Logout

## BOOK YOUR TICKETS!

FLIGHT ID

Name

Email

Phone number

Gender

Class

Age

MEAL

Submit

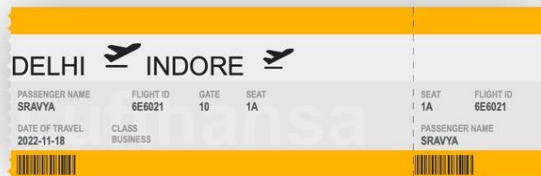
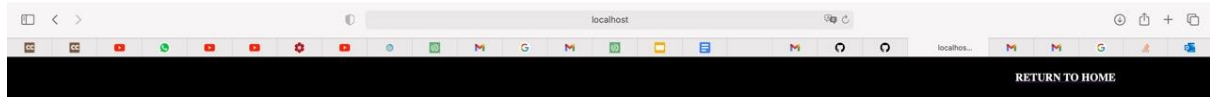
FLIGHT ID	AIRLINE NAME	ARRIVAL	DEPARTURE	START TIME	END TIME	DURATION
6E6021	SPICEJET	INDORE	DELHI	15:10	17:40	2hr30mins
6E6027	AIRASIA	INDORE	DELHI	21:10	23:40	1hr30mins

100% 1:1

**Result Grid** Filter Rows: Search Edit: Export/Import:

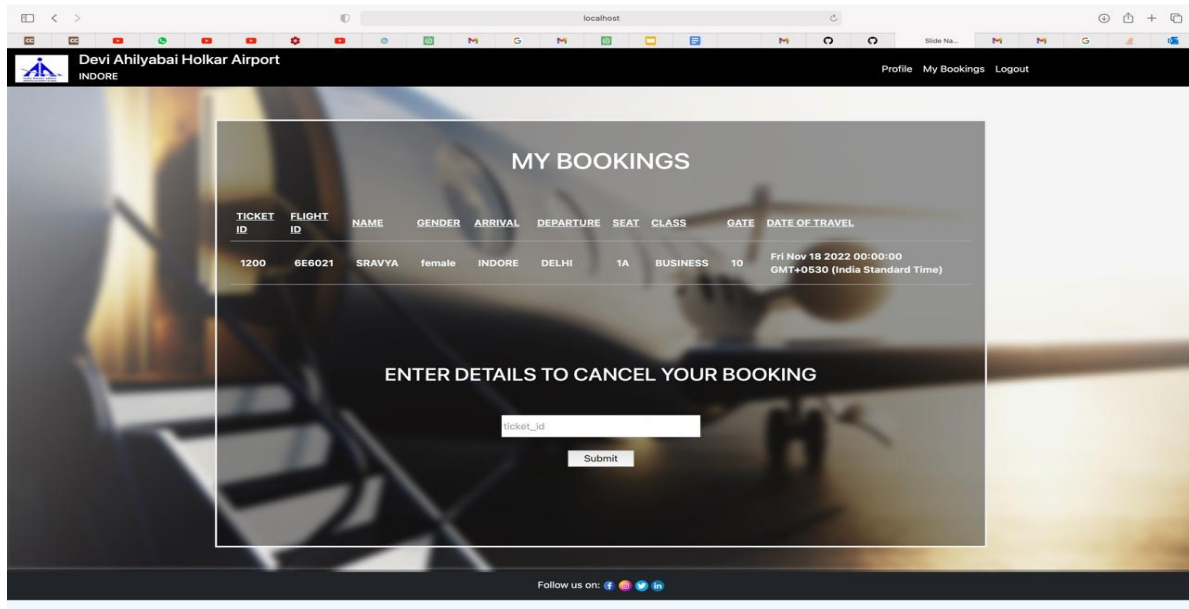
ticket_id	flight_id	name	email	gender	gate_no	date	seat_no	class_type	arrival	departure
1200	6E6021	SRA...	sravyadevani@gmail.com	female	10	2022-11-18	1A	BUSINESS	IND...	DELHI

# TICKET DISPLAY

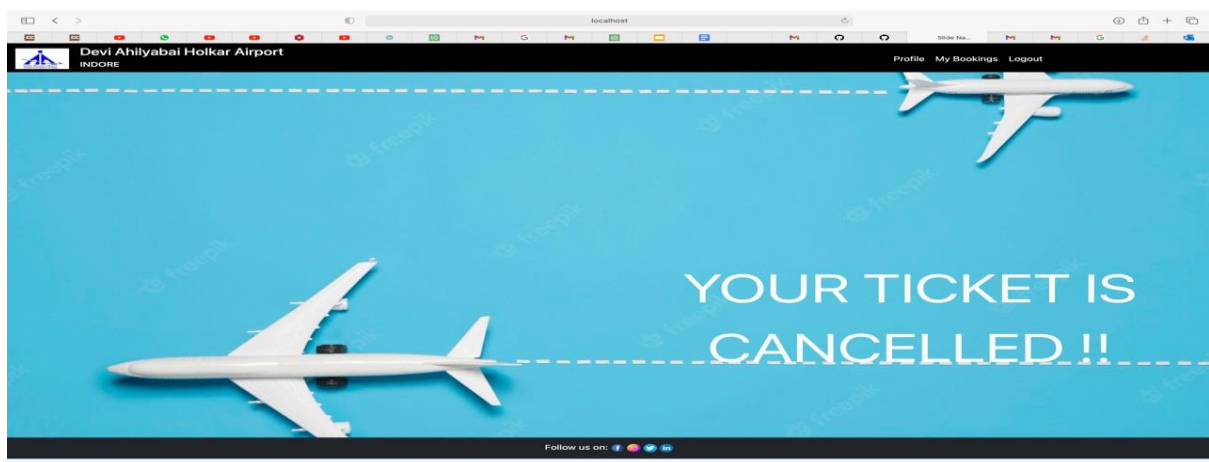


### VIEW YOUR BOOKINGS (With Cancel Option)

This page lets you see your upcoming journeys. In-case if you want to cancel your trip , you can enter the ticket\_id of the ticket you want to cancel. It will cancel the ticket and removes the details of this particular journey from our database.

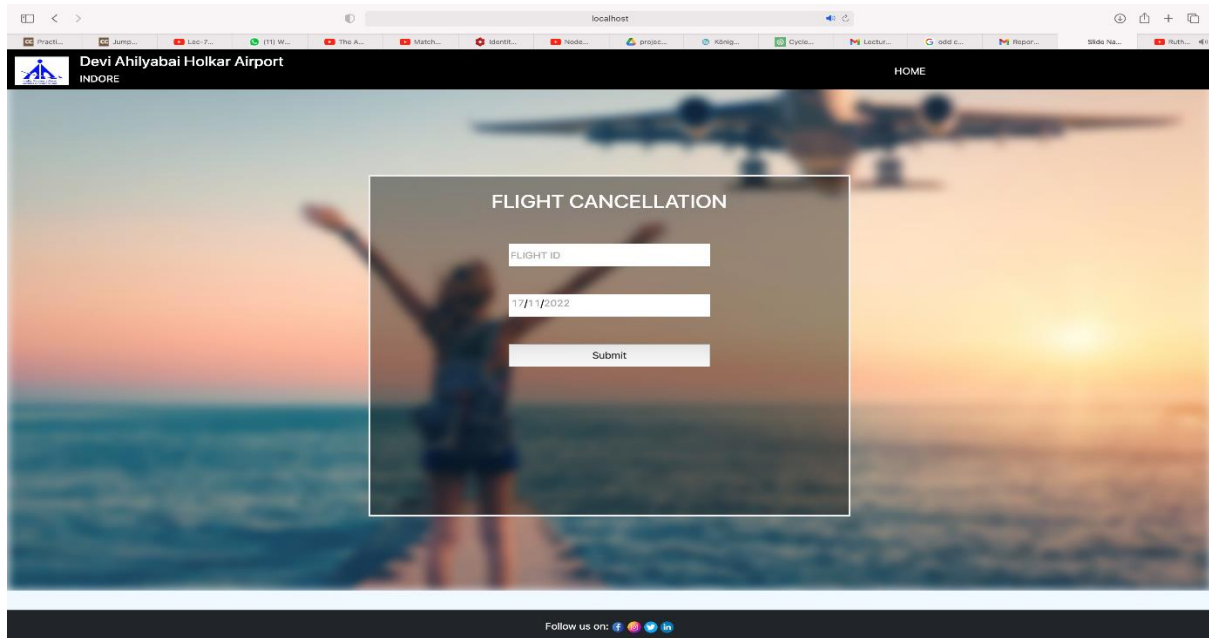


If you enter the ticket\_id 1200 here , it will direct you to a page which shows “your ticket is cancelled” and as you can see now the table which stored the details of the passenger and their journey is empty.

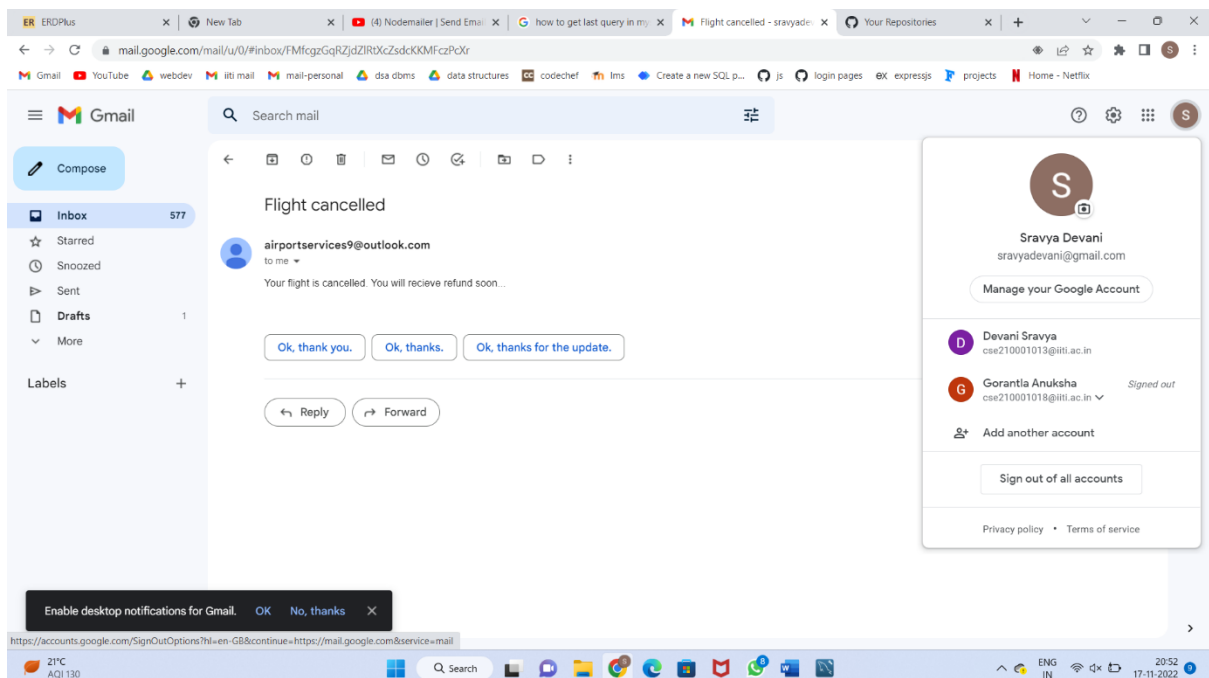
[illegible]

# FLIGHT CANCELLTION

What if a flight gets cancelled on a particular day?. We send emails to all the passenger saying that the flight has been cancelled. (flight\_id and date will decide which flight is being cancelled).

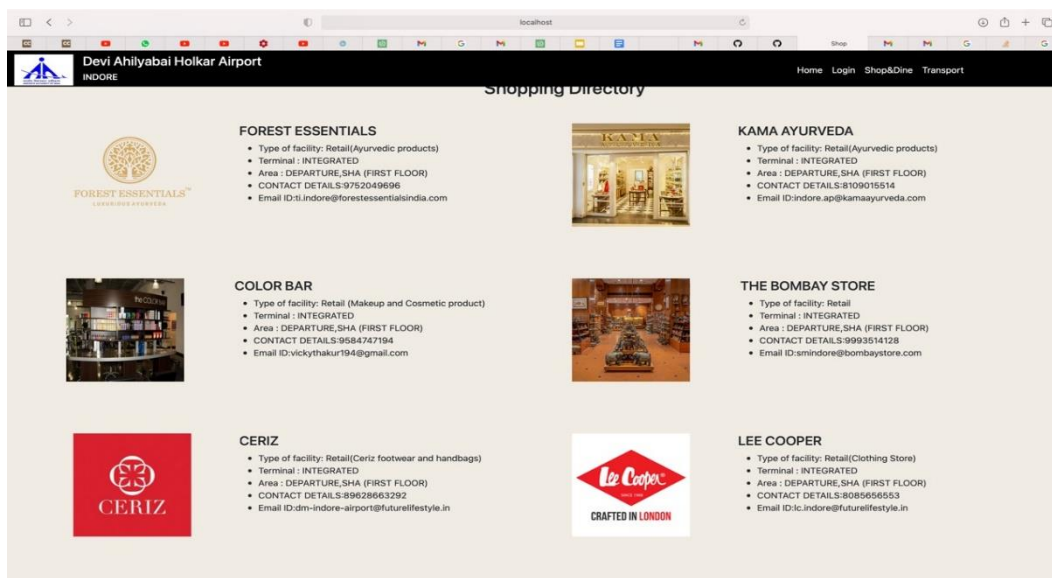
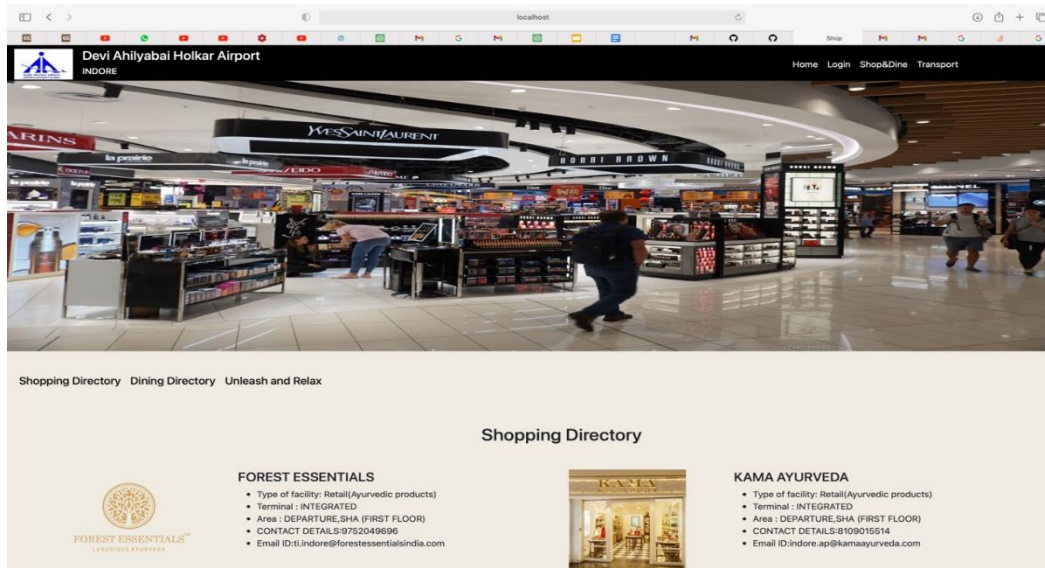


Now if we cancel the flight , the passenger (here passenger with the email [sravyadevani@gmail.com](mailto:sravyadevani@gmail.com)) will receive a mail about the cancellation of flight).



# SHOP&DINE

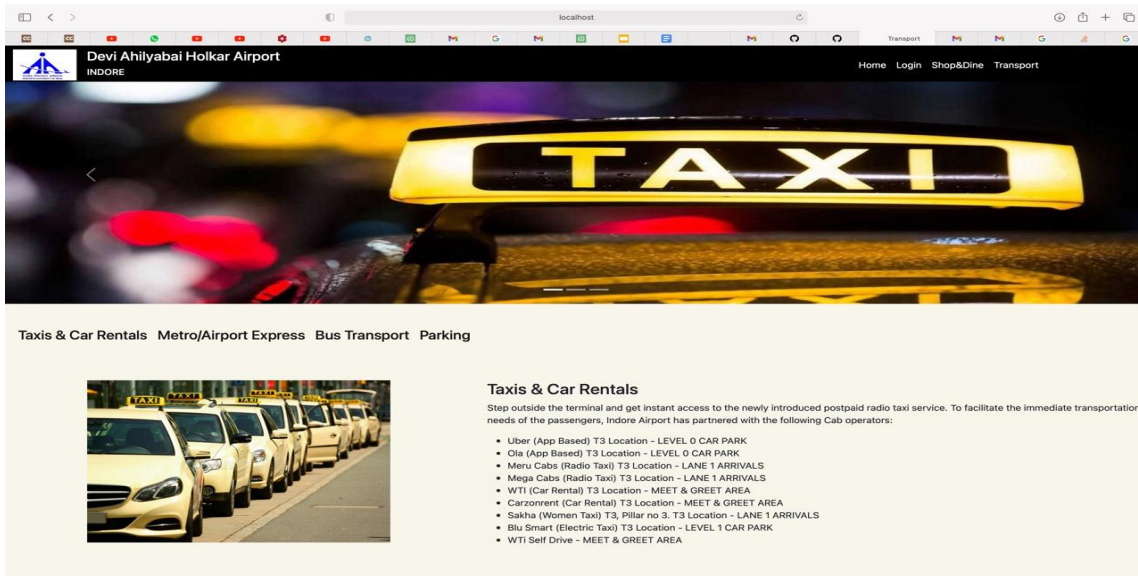
Besides the booking process , “Shop&Dine” anchor link in home page directs you to the page where you can get the information about dining and shopping directories and details of the shops.





# TRANSPORT

“Transport” anchor link in home page directs you to the page transport. This page provides you Information about transport facilities after landing. This helps the passenger with his journey after landing and saves his time. We even saved the details of shop&dine and transport facilities in the database which resides with management people.



**Devi Ahilyabai Holkar Airport**  
INDORE

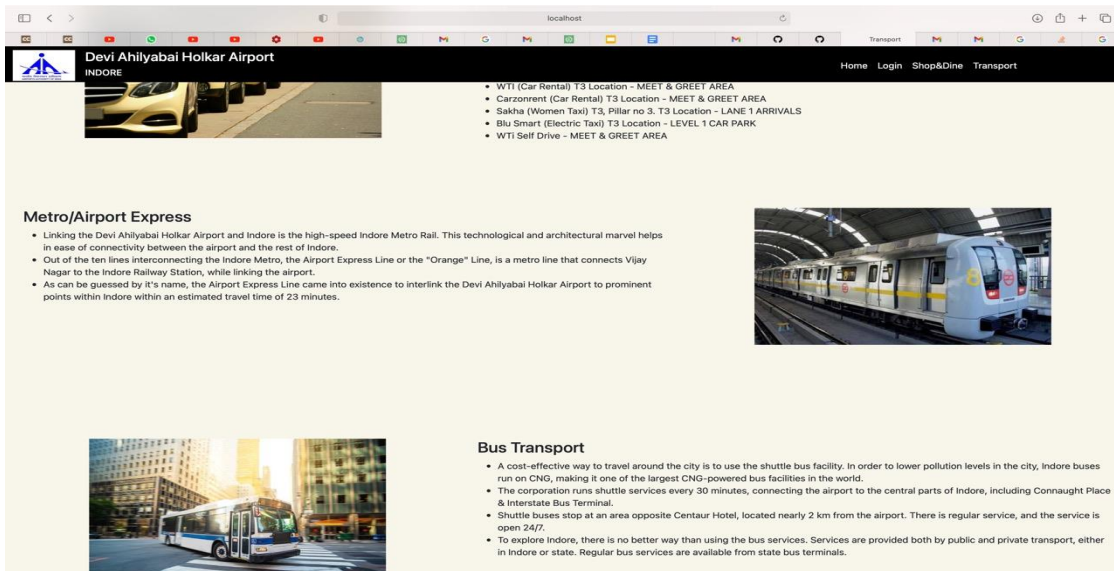
Home Login Shop&Dine Transport

Taxis & Car Rentals Metro/Airport Express Bus Transport Parking

### Taxis & Car Rentals

Step outside the terminal and get instant access to the newly introduced postpaid radio taxi service. To facilitate the immediate transportation needs of the passengers, Indore Airport has partnered with the following Cab operators:

- Uber (App Based) T3 Location - LEVEL 0 CAR PARK
- Ola (App Based) T3 Location - LEVEL 0 CAR PARK
- Meru Cabs (Radio Taxi) T3 Location - LANE 1 ARRIVALS
- Mega Cabs (Radio Taxi) T3 Location - LANE 1 ARRIVALS
- WTI (Car Rental) T3 Location - MEET & GREET AREA
- Carzonrent (Car Rental) T3 Location - MEET & GREET AREA
- Sakha (Women Taxi) T3, Pillar no 3. T3 Location - LANE 1 ARRIVALS
- Blu Smart (Electric Taxi) T3 Location - LEVEL 1 CAR PARK
- WTI Self Drive - MEET & GREET AREA



**Devi Ahilyabai Holkar Airport**  
INDORE

Home Login Shop&Dine Transport

### Metro/Airport Express

- Linking the Devi Ahilyabai Holkar Airport and Indore is the high-speed Indore Metro Rail. This technological and architectural marvel helps in ease of connectivity between the airport and the rest of Indore.
- Out of the ten lines interconnecting the Indore Metro, the Airport Express Line or the "Orange" Line, is a metro line that connects Vijay Nagar to the Indore Railway Station, while linking the airport.
- As can be guessed by its name, the Airport Express Line came into existence to interlink the Devi Ahilyabai Holkar Airport to prominent points within Indore within an estimated travel time of 23 minutes.

### Bus Transport

- A cost-effective way to travel around the city is to use the shuttle bus facility. In order to lower pollution levels in the city, Indore buses run on CNG, making it one of the largest CNG-powered bus facilities in the world.
- The corporation runs shuttle services every 30 minutes, connecting the airport to the central parts of Indore, including Connaught Place & Interstate Bus Terminal.
- Shuttle buses stop at an area opposite Centaur Hotel, located nearly 2 km from the airport. There is regular service, and the service is open 24/7.
- To explore Indore, there is no better way than using the bus services. Services are provided both by public and private transport, either in Indore or state. Regular bus services are available from state bus terminals.

## UPDATE

We are asked to add an extra feature in our website that if a flight gets cancelled, we need to mail all the passengers boarding that flight. We have updated our website with this feature as we have shown above in the working of the website.

GIT REPO: <https://github.com/sravva25-03/Airport-Passenger-Management->

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THANK YOU

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