

NAME: MABLINE ANDREA

ASSIGNMENT 04 – DATABASE SOFTWARE DESIGN

GROUP NAME: A4 N

1. Create a form to add a new airline to the database.
2. Implement PHP code to insert data from the airline creation form into the airlines table.

Below picture has answer to Question 1 and Question 2



Create Airline

Airline ID:

Airline Name:

Airline created successfully

3. Create a form to add a new airport to the database.
4. Write PHP code to insert data from the airport creation form into the airports table.

Below picture has answer to Question 3 and Question 4



Add Airport

Airport Code (3 characters):

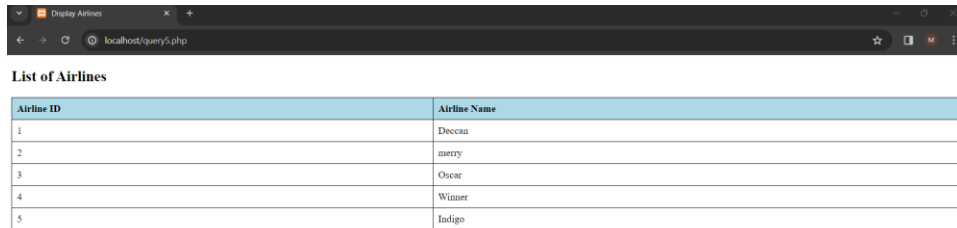
Airport Name:

City:

Country:

Airport added successfully

5. Implement a feature to display all airlines from the airlines table.



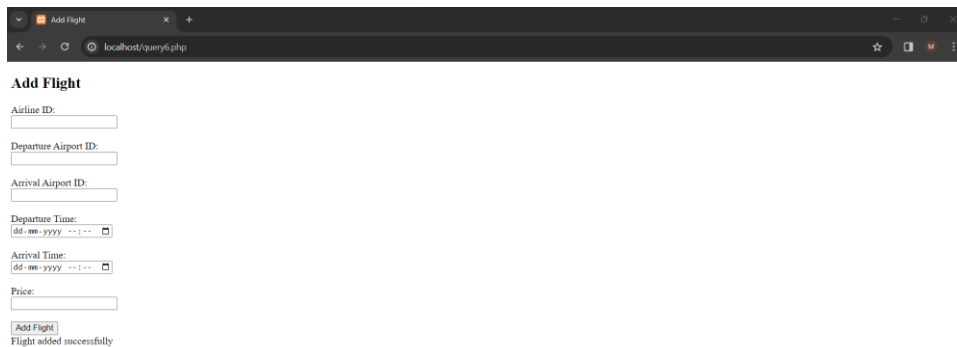
The screenshot shows a web browser window with the address bar displaying 'localhost/query5.php'. The page title is 'Display Airlines'. Below the title is a table with the following data:

Airline ID	Airline Name
1	Deccan
2	merry
3	Oscar
4	Winner
5	Indigo

6. Create a form to schedule a new flight.

7. Write PHP code to insert data from the flight scheduling form into the flights table.

Below picture has answer to Question 6 and Question 7

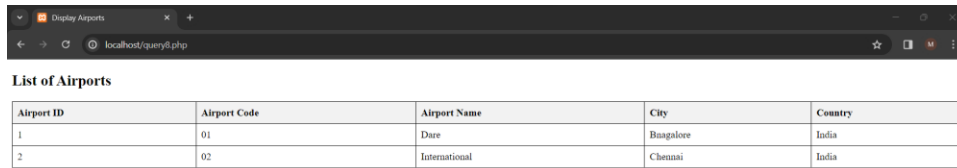


The screenshot shows a web browser window with the address bar displaying 'localhost/query6.php'. The page title is 'Add Flight'. Below the title is a form with the following fields:

- Airline ID:
- Departure Airport ID:
- Arrival Airport ID:
- Departure Time:
- Arrival Time:
- Price:

Below the form is a button labeled 'Add Flight' and a message that says 'Flight added successfully'.

8. Implement a feature to display all airports from the airports table.



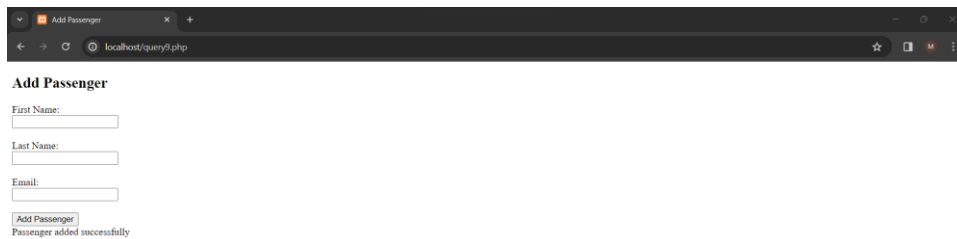
List of Airports

Airport ID	Airport Code	Airport Name	City	Country
1	01	Dare	Bangalore	India
2	02	International	Chennai	India

9. Create a form to add a new passenger.

10. Write PHP code to insert data from the passenger creation form into the passengers table.

Below picture answers Question 9 and 10



Add Passenger

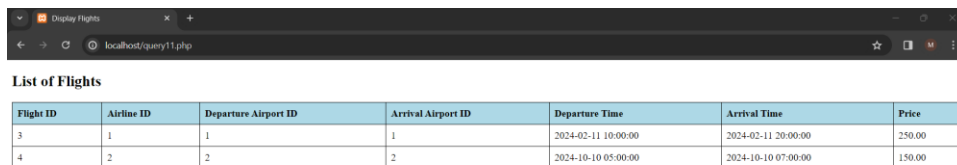
First Name:

Last Name:

Email:

Passenger added successfully

11. Implement a feature to display all flights from the flights table.



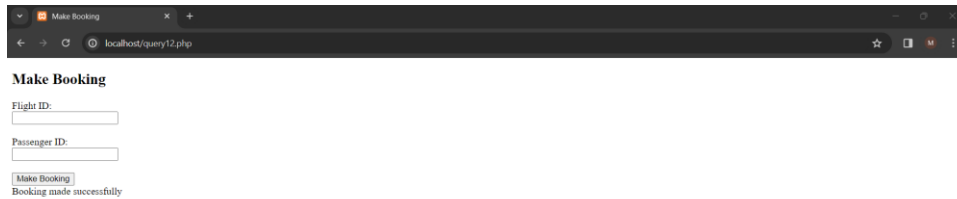
List of Flights

Flight ID	Airline ID	Departure Airport ID	Arrival Airport ID	Departure Time	Arrival Time	Price
3	1	1	1	2024-02-11 10:00:00	2024-02-11 20:00:00	250.00
4	2	2	2	2024-10-10 05:00:00	2024-10-10 07:00:00	150.00

12. Create a form to make a booking.

13. Write PHP code to insert data from the booking form into the bookings table.

Below picture has answers to Question 12 and Question 13



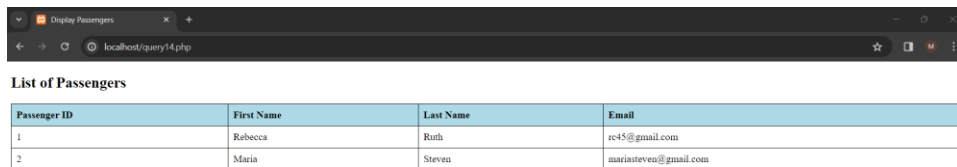
Make Booking

Flight ID:

Passenger ID:

Booking made successfully

14. Implement a feature to display all passengers from the passengers table.



List of Passengers

Passenger ID	First Name	Last Name	Email
1	Rebecca	Ruth	rc45@gmail.com
2	Maria	Steven	maristeven@gmail.com

15. Create a form to search for available flights based on departure and arrival airports and departure date.



Search Flights

Flight ID:

Departure Airport ID:

Arrival Airport ID:

Departure Time:

Search Results

Flight ID	Departure Airport ID	Arrival Airport ID	Departure Time
3	1	1	2024-02-11 10:00:00

Screenshots from pgAdmin showing the records of the respective tables:

Query Query History

```
1 SELECT * FROM public.airlines
2 ORDER BY airline_id ASC
```

Data Output Messages Notifications

airline_id	airline_name
[PK] integer	character varying (100)
1	Deccan
2	merry
3	Oscar
4	Winner
5	Indigo

Total rows: 5 of 5 Query complete 00:00:00.311 Ln 1, Col 1

```
1 SELECT * FROM public.airports
2 ORDER BY airport_id ASC
```

	airport_id [PK] integer	airport_code character varying (3)	airport_name character varying (100)	city character varying (100)	country character varying (100)
1	1	01	Dare	Bnagalore	India
2	2	02	International	Chennai	India

Ln 1, Col 1

```
1 SELECT * FROM public.bookings
2 ORDER BY booking_id ASC
```


	booking_id [PK] integer	flight_id integer	passenger_id integer	booking_date timestamp without time zone
1		2	3	2024-03-30 18:38:22.717087
2		7	4	2024-04-01 00:01:58.434495

Ln 1, Col 1

Query

Query History

1

SELECT * FROM public.flights

2

ORDER BY flight_id ASC

Data Output

Messages

Notifications

	flight_id [PK] integer	airline_id integer	departure_airport_id integer	arrival_lairport_id integer	departure_time timestamp without time zone	arrival_time timestamp without time zone	price numeric (10)
1	3	1	1	1	2024-02-11 10:00:00	2024-02-11 20:00:00	2
2	4	2	2	2	2024-10-10 05:00:00	2024-10-10 07:00:00	1

Total rows: 2 of 2 Query complete 00:00:00.229 Ln 1, Col 1

Query

Query History

1

SELECT * FROM public.passengers

2

ORDER BY passenger_id ASC

Data Output

Messages

Notifications

	passenger_id [PK] integer	first_name character varying (50)	last_name character varying (50)	email character varying (100)
1	1	Rebecca	Ruth	rc45@gmail.com
2	2	Maria	Steven	mariasteven@gmail.com

Total rows: 2 of 2 Query complete 00:00:00.343 Ln 1, Col 1

