

## **Airline Ticket Reservation System**

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**LAMBTON COLLEGE**

**CBD 2303: DATABASE DESIGN**

**EMAD NASRALLAH**

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## Introduction and Description of the System

### Introduction:

The Airline Ticket Reservation in PHP is a simple reservation system for flights. The project contains the admin side and the user side. The admin can view and manage the users, add/modify the flight schedule, view the booked ticket, and manage the flight details.

The users are the clients who want to search and reserve the flights suitable for them. A user has to login first to make the reservation. If he/she has not registered, they can register first and then login. A user can search for available flights for a particular city-pair and book tickets in the class of their choice.

### Description:

This Airline Ticket Reservation is in PHP, CSS, and JavaScript. Talking about the features of the Airline Ticket Reservation, it just contains both the admin section and the user section. The user can log in to book flights, while the admins can view all users' bookings and manage the flight schedules. The design of this project is simple so that the user will not find any difficulties while working on it.

### Entities:

This system consists of following entities:

1. **Admin:** There is specified person who can manage and logged into the system and can change details about flights. Admin can also see all the booked ticket and all the details about customer.

**Constraint:** admin\_id → Primary key

2. **Customer:** Customer can log in to the system and can book the flight. Customer can also see booked flight and cancel the booked flight. If customer is new, they have to create new account first. After that they can log in to the system. Customer registration is necessary for flight booking.

**Constraint:** customer\_id → Primary key

3. **Flight\_details:** In flight details customer can see all the available flights for booking. Admin can add more flights and can delete specific flight information. In flight details we can see route of flights, date of flights, time of flights and more information about flights.

**Constraint:** flight\_no → Primary key

4. **Frequent\_flier\_details:** In this field we can see who frequent traveler is. We can also see the distance travelled by the customer.

**Constraint:** frequent\_flier\_no → Primary key

Customer\_id → Foreign Key

5. **Jet details:** In jet details we can see all the available jet information, capacity of jet. From this we can see which flight belongs to which jet airlines.

**Constraint:** jet\_id → Primary key

6. **Passenger:** In passenger table we can see all the details of passenger who wants to book the flight. When customer try to book the flight, we must add passenger details in it.

**Constraint:** passenger\_id, pnr → Primary key

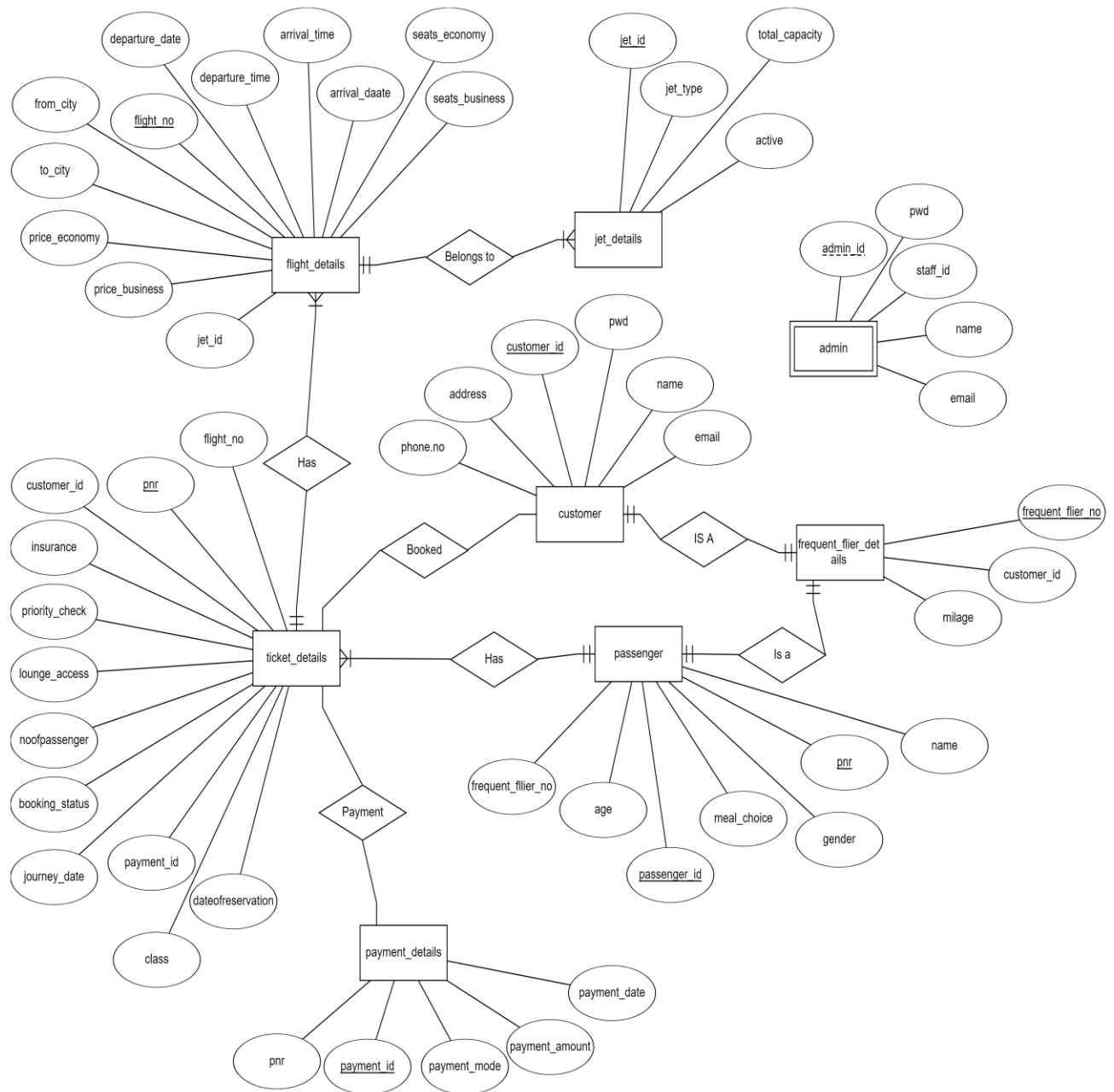
7. **Payment\_details:** It will show all the payment details of flights booked by customer.

**Constraint:** payment\_id → Primary key

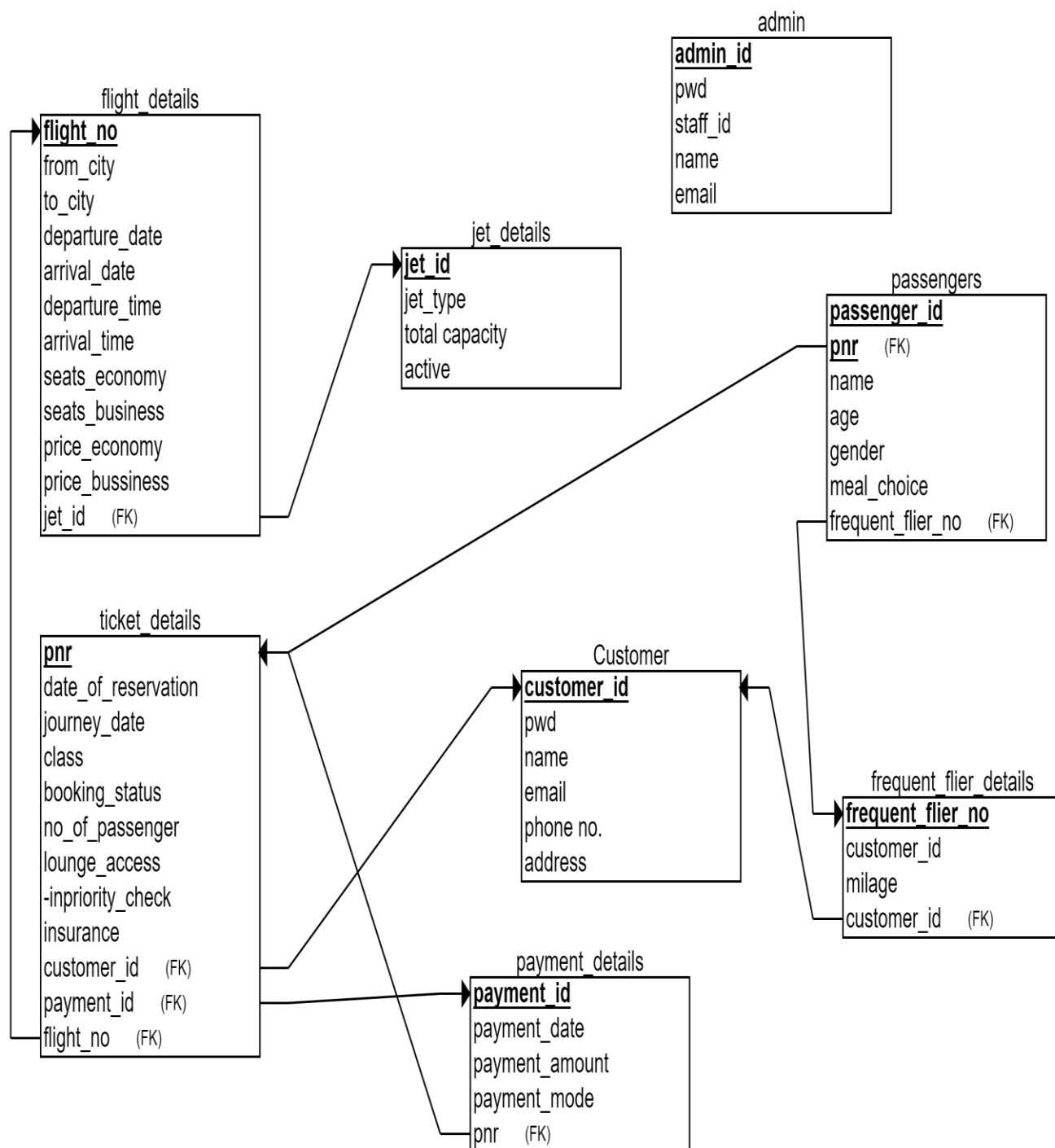
8. **Ticket\_details:** It will show which customer booked which flights. Date of journey, payment id of customer, and all the other details of booked flights.

**Constraint:** pnr → Primary key

## ENTITY RELATIONSHIP DIAGRM (ERD)



## RELATIONAL SCHEMA



## NORMALIZATION

### First Normal Form:

- In the above relational schema, every attribute has atomic values and there are no multiple values.
- There are no repeating groups in any table of the relation schema.

Hence, every table in the relational schema satisfies first normal form.

### Second Normal Form:

- To satisfy 2NF, relation schema must be in first normal form.
- And, it should not have partial dependency means every non-key attribute must be full dependent on the entire primary key.

Hence, every table in the relation schema above satisfies second normal form also.

### Third Normal Form:

- To satisfy 3NF, Relational schema must be in second normal form.
- And, it does not have transitive dependency. Hence Relation schema satisfies all three normal forms.

Therefore, system satisfied all three normal forms, and all the tables are in Normalized state.



## DATA DESCRIPTION

### 1. Admin

Attributes	Type	Length	Constraint
admin_id	Varchar	20	PK NN
Pwd	Varchar	30	NN
Staff_id	Varchar	20	NN
Name	Varchar	20	NN
Email	Varchar	35	NN

### 2. Customer

Attributes	Type	Length	Constraint
Customer_id	Varchar	20	PK NN
Pwd	Varchar	20	NN
Name	Varchar	20	NN
Email	Varchar	35	NN
Phone_no	Varchar	15	
Address	Varchar	35	

### 3. Flight\_details

Attributes	Type	Length	Constraint
Flight_no	Varchar	20	PK NN
From_city	Varchar	20	NN
To_city	Varchar	20	NN
Departure_date	Date		NN
Arrival_date	Date		NN
Departure_time	Varchar	20	NN
Arrival_time	Varchar	20	NN
Seats_economy	INT	5	NN
Seats_Business	INT	5	NN
Price_economy	INT	5	NN
Price_business	INT	5	NN
Jet_id	Varchar	10	FK NN

## 4. Frequent\_flier\_details

Attributes	Type	Length	Constraint
Frequent_flier_no	Varchar	20	PK NN
Customer_id	Varchar	20	FK NN
Milage	INT	10	

## 5. Jet\_details

Attributes	Type	Length	Constraint
Jet_id	Varchar	10	PK NN
Jet_type	Varchar	20	NN
Capacity	INT	5	
Active	Varchar	10	

## 6. Passenger

Attributes	Type	Length	Constraint
Passenger_id	INT	10	PK NN
Pnr	Varchar	15	PK FK NN
Name	Varchar	20	NN
Age	INT	5	
Gender	Varchar	10	
Meal_choice	Varchar	5	
Frequent_flier_no	Varchar	20	FK NN

## 7. Payment\_details

Attributes	Type	Length	Constraint
Payment_id	Varchar	20	PK NN
Pnr	Varchar	15	FK NN
Payment_date	Date		NN
Payment_amount	INT	6	NN
Payment_mode	Varchar	15	NN

## 8.Ticket\_details

Attributes	Type	Length	Constraint
Pnr	Varchar	20	PK NN
Date_of_reservation	Date		
Flight_no	Varchar	20	FK NN
Journey_date	Date		NN
Class	Varchar	20	
Booking_status	Varchar	20	
No_of_passenger	INT	5	
Lounge_access	Varchar	5	
Priority_checkin	Varchar	5	
Insurance	Varchar	5	
Payment_id	Varchar	20	FK NN
Customer_id	Varchar	20	FK NN

## Creating Tables Using SQL Statements

### Table structure for table 'admin':

```
CREATE TABLE admin (  
  
    admin_id varchar (20) NOT NULL,  
  
    pwd varchar (30) DEFAULT NULL,  
  
    staff_id varchar (20) DEFAULT NULL,  
  
    name varchar (20) DEFAULT NULL,  
  
    email varchar (35) DEFAULT NULL,  
  
    PRIMARY KEY (admin_id)  
  
);
```

### Table structure for table `customer`:

```
CREATE TABLE customer (  
  
    customer_id varchar (20) NOT NULL,  
  
    pwd varchar (20) DEFAULT NULL,  
  
    name varchar (20) DEFAULT NULL,  
  
    email varchar (35) DEFAULT NULL,
```

```
phone_no varchar (15) DEFAULT NULL,  
  
address varchar (35) DEFAULT NULL,  
  
PRIMARY KEY (customer_id)  
  
);
```

**Table structure for table `flight\_details`:**

```
CREATE TABLE flight_details (  
  
flight_no varchar (10) NOT NULL,  
  
from_city varchar (20) DEFAULT NULL,  
  
to_city varchar (20) DEFAULT NULL,  
  
departure_date date NOT NULL,  
  
arrival_date date DEFAULT NULL,  
  
departure_time time DEFAULT NULL,  
  
arrival_time time DEFAULT NULL,  
  
seats_economy int (5) DEFAULT NULL,  
  
seats_business int (5) DEFAULT NULL,  
  
price_economy int (10) DEFAULT NULL,  
  
price_business int (10) DEFAULT NULL,
```

```

jet_id varchar (10) DEFAULT NULL,

PRIMARY KEY (flight_no),

FOREIGN KEY (jet_id) REFERENCES jet_details(jet_id)

);

```

**Table structure for table `frequent\_flier\_details`:**

```

CREATE TABLE frequent_flier_details (

frequent_flier_no varchar (20) NOT NULL,

customer_id varchar (20) DEFAULT NULL,

mileage int (10) DEFAULT NULL,

PRIMARY KEY (frequent_flier_no),

FOREIGN KEY (customer_id) REFERENCES customer(customer_id)

);

```

**Table structure for table `jet\_details`:**

```

CREATE TABLE jet_details (

jet_id varchar (10) NOT NULL,

jet_type varchar (20) DEFAULT NULL,

total_capacity int (5) DEFAULT NULL,

```

```
active varchar (5) DEFAULT NULL,  
  
PRIMARY KEY (jet_id)  
  
);
```

**Table structure for table `passengers`:**

```
CREATE TABLE passengers (  
  
passenger_id int (10) NOT NULL,  
  
pnr varchar (15) NOT NULL,  
  
name varchar (20) DEFAULT NULL,  
  
age int (3) DEFAULT NULL,  
  
gender varchar (8) DEFAULT NULL,  
  
meal_choice varchar (5) DEFAULT NULL,  
  
requent_flier_no varchar (20) DEFAULT NULL,  
  
PRIMARY KEY (passenger_id, pnr),  
  
FOREIGN KEY (requent_flier_no) REFERENCES  
    frequent_flier_details(frequent_flier_no)  
  
);
```

**Table structure for table `payment\_details`:**

```
CREATE TABLE payment_details (  
  
    payment_id varchar (20) NOT NULL,  
  
    pnr varchar (15) DEFAULT NULL,  
  
    payment_date date DEFAULT NULL,  
  
    payment_amount int (6) DEFAULT NULL,  
  
    payment_mode varchar (15) DEFAULT NULL,  
  
    PRIMARY KEY (payment_id)  
  
);
```

**Table structure for table `ticket\_details`:**

```
CREATE TABLE ticket_details (  
  
    pnr varchar (15) NOT NULL,  
  
    date_of_reservation date DEFAULT NULL,  
  
    flight_no varchar (10) DEFAULT NULL,  
  
    journey_date date DEFAULT NULL,  
  
    class varchar (10) DEFAULT NULL,  
  
    booking_status varchar (20) DEFAULT NULL,
```



no\_of\_passengers int (5) DEFAULT NULL,

lounge\_access varchar (5) DEFAULT NULL,

priority\_checkin varchar (5) DEFAULT NULL,

insurance varchar (5) DEFAULT NULL,

payment\_id varchar (20) DEFAULT NULL,

customer\_id varchar (20) DEFAULT NULL,

PRIMARY KEY (pnr),

FOREIGN KEY (flight\_no) REFERENCES flight\_details(flight\_no),

FOREIGN KEY (payment\_id) REFERENCES payment\_details(payment\_id)

FOREIGN KEY (customer\_id) REFERENCES customer(customer\_id)

);

## CRUD Operations

### Passengers table creation:

```
CREATE TABLE passengers (  
  
    passenger_id int (10) NOT NULL,  
  
    pnr varchar (15) NOT NULL,  
  
    name varchar (20) DEFAULT NULL,  
  
    age int (3) DEFAULT NULL,  
  
    gender varchar (8) DEFAULT NULL,  
  
    meal_choice varchar (5) DEFAULT NULL,  
  
    frequent_flier_no varchar (20) DEFAULT NULL,  
  
    PRIMARY KEY (passenger _id),  
  
    FOREIGN KEY (frequent_flier_no) REFERENCES  
        frequent_flier_details(frequent_flier_no)  
  
);
```

**Insert operation:**

```
INSERT INTO passengers (`passenger_id`, `pnr`, `name`, `age`, `gender`, `meal_choice`,  
`frequent_flier_no`) VALUES
```

```
(1, '1669050', 'Harry Roshan', 20, 'male', 'yes', '20002000'),
```

```
(1, '2033264', 'RAKHI', 25, 'female', 'yes', NULL),
```

```
(1, '2179656', 'KIMI', 11, 'male', 'yes', NULL),
```

```
(1, '2369143', 'blah', 20, 'male', 'yes', NULL),
```

```
(1, '3027167', 'aadith_name', 10, 'male', 'yes', NULL),
```

```
(1, '3773951', 'harry', 51, 'male', 'yes', NULL),
```

```
(1, '3817993', 'SANCHIT KUMAR', 23, 'male', 'yes', NULL),
```

```
(1, '4797983', 'pass1', 34, 'male', 'yes', NULL),
```

```
(1, '4807312', 'SANCHIT', 22, 'male', 'yes', NULL),
```

```
(1, '5272308', 'SHUBHANGI SINGH', 1, 'female', 'yes', NULL),
```

```
(1, '5421865', 'pass1', 10, 'male', 'yes', NULL),
```

```
(1, '6980157', 'roshan', 20, 'male', 'yes', NULL),
```

```
(1, '8503285', 'aadith_name', 10, 'male', 'yes', '10001000'),
```

```
(1, '9288360', 'SANCHIT KUMAR', 23, 'male', 'yes', NULL),
```

```
(2, '1669050', 'berti harry', 45, 'female', 'yes', NULL),
```

(2, '2369143', 'blah', 51, 'male', 'yes', NULL),

(2, '3027167', 'roshan', 20, 'male', 'yes', NULL),

(2, '3773951', 'berti', 42, 'female', 'yes', NULL),

(2, '3817993', 'RANJIT KUMAR', 26, 'male', 'yes', NULL),

(2, '4797983', 'Harry Roshan', 20, 'male', 'yes', '20002000'),

(2, '4807312', 'RANJIT', 66, 'male', 'yes', NULL),

(2, '5421865', 'pass2', 20, 'female', 'yes', NULL),

(2, '6980157', 'aadith', 9, 'male', 'yes', NULL),

(2, '8503285', 'roshan\_name', 20, 'male', 'yes', NULL),

(2, '9288360', 'SHUBHAM KUMAR', 24, 'male', 'yes', NULL),

(3, '1669050', 'aadith\_name', 10, 'male', 'yes', NULL),

(3, '2369143', 'blah', 10, 'male', 'yes', NULL),

(3, '3773951', 'aadith', 11, 'male', 'yes', '10001000'),

(3, '4797983', 'aadith\_name', 10, 'male', 'yes', '10001000'),

(3, '4807312', 'SURESH', 22, 'male', 'yes', NULL),

(3, '5421865', 'pass3', 30, 'male', 'yes', NULL),

(4, '2369143', 'blah', 42, 'female', 'yes', NULL),

(4, '4807312', 'RAMESH', 65, 'male', 'yes', NULL),

```
(5, '4807312', 'SHYAMA', 22, 'female', 'yes', NULL);
```

```
CREATE TABLE passengers (
  passenger_id int (10) NOT NULL,
  pnr varchar (15) NOT NULL,
  name varchar (20) DEFAULT NULL,
  age int (3) DEFAULT NULL,
  gender varchar (8) DEFAULT NULL,
  meal_choice varchar (5) DEFAULT NULL,
  frequent_flier_no varchar (20) DEFAULT NULL
);

--
-- Dumping data for table `passengers`
--

INSERT INTO passengers(`passenger_id`, `pnr`, `name`, `age`, `gender`, `meal_choice`, `frequent_flier_no`) VALUES
(1, '1669050', 'Harry Roshan', 20, 'male', 'yes', '20002000'),
(1, '2033264', 'RAKHI', 25, 'female', 'yes', NULL),
(1, '2179656', 'KIMI', 11, 'male', 'yes', NULL),
(1, '2369143', 'blah', 20, 'male', 'yes', NULL),
(1, '3027167', 'aadith_name', 10, 'male', 'yes', NULL),
(1, '3773951', 'harry', 51, 'male', 'yes', NULL),
(1, '3817993', 'SANCHIT KUMAR', 23, 'male', 'yes', NULL),
(1, '4797983', 'pass1', 34, 'male', 'yes', NULL),
(1, '4807312', 'SANCHIT', 22, 'male', 'yes', NULL),
(1, '5272308', 'SHUBHANGI SINGH', 1, 'female', 'yes', NULL),
(1, '5421865', 'pass1', 10, 'male', 'yes', NULL),
(1, '6980157', 'roshan', 20, 'male', 'yes', NULL),
(1, '8503285', 'aadith_name', 10, 'male', 'yes', '10001000'),
(1, '9288360', 'SANCHIT KUMAR', 23, 'male', 'yes', NULL),
(2, '1669050', 'berti harry', 45, 'female', 'yes', NULL),
(2, '2369143', 'blah', 51, 'male', 'yes', NULL),
(2, '3027167', 'roshan', 20, 'male', 'yes', NULL),
(2, '3773951', 'berti', 42, 'female', 'yes', NULL),
(2, '3817993', 'RANJIT KUMAR', 26, 'male', 'yes', NULL),
(2, '4797983', 'Harry Roshan', 20, 'male', 'yes', '20002000'),
(2, '4807312', 'RANJIT', 66, 'male', 'yes', NULL),
(2, '5421865', 'pass2', 20, 'female', 'yes', NULL),
(2, '6980157', 'aadith', 9, 'male', 'yes', NULL),
(2, '8503285', 'roshan_name', 20, 'male', 'yes', NULL),
```

```
(2, '9288360', 'SHUBHAM KUMAR', 24, 'male', 'yes', NULL),
(3, '1669050', 'aadith_name', 10, 'male', 'yes', NULL),
(3, '2369143', 'blah', 10, 'male', 'yes', NULL),
(3, '3773951', 'aadith', 11, 'male', 'yes', '10001000'),
(3, '4797983', 'aadith_name', 10, 'male', 'yes', '10001000'),
(3, '4807312', 'SURESH', 22, 'male', 'yes', NULL),
(3, '5421865', 'pass3', 30, 'male', 'yes', NULL),
(4, '2369143', 'blah', 42, 'female', 'yes', NULL),
(4, '4807312', 'RAMESH', 65, 'male', 'yes', NULL),
(5, '4807312', 'SHYAMA', 22, 'female', 'yes', NULL);
```

Output:

	passenger_id	pnr	name	age	gender	meal_choice	frequent_flier_no
<input type="checkbox"/>	1	1669050	Harry Roohan	20	male	yes	20002000
<input type="checkbox"/>	1	2003204	ROOAN	25	female	yes	NULL
<input type="checkbox"/>	1	2178059	roan	11	male	yes	NULL
<input type="checkbox"/>	1	2369143	blah	20	male	yes	NULL
<input type="checkbox"/>	1	3007187	aadith_name	10	male	yes	NULL
<input type="checkbox"/>	1	3773951	harry	51	male	yes	NULL
<input type="checkbox"/>	1	3817993	SANCHIT KUMAR	23	male	yes	NULL
<input type="checkbox"/>	1	4797983	pass1	34	male	yes	NULL
<input type="checkbox"/>	1	4807312	SANCHIT	22	male	yes	NULL
<input type="checkbox"/>	1	5272308	SHUBHAM SINGH	1	female	yes	NULL
<input type="checkbox"/>	1	5421865	pass1	10	male	yes	NULL
<input type="checkbox"/>	1	5601857	roshan	20	male	yes	NULL
<input type="checkbox"/>	1	5803285	aadith_name	10	male	yes	10001000
<input type="checkbox"/>	1	6283390	SANCHIT KUMAR	23	male	yes	NULL
<input type="checkbox"/>	2	1009050	bert hary	45	female	yes	NULL
<input type="checkbox"/>	2	2369143	blah	51	male	yes	NULL
<input type="checkbox"/>	2	3007187	roshan	20	male	yes	NULL
<input type="checkbox"/>	2	3773951	bert	42	female	yes	NULL
<input type="checkbox"/>	2	3817993	RANJIT KUMAR	25	male	yes	NULL
<input type="checkbox"/>	2	4797983	Harry Roohan	20	male	yes	20002000
<input type="checkbox"/>	2	4807312	RANJIT	65	male	yes	NULL
<input type="checkbox"/>	2	5421865	pass2	20	female	yes	NULL
<input type="checkbox"/>	2	5601857	aadith	8	male	yes	NULL
<input type="checkbox"/>	2	5803285	roshan_name	20	male	yes	NULL
<input type="checkbox"/>	2	6283390	SHUBHAM KUMAR	24	male	yes	NULL

**Update operation:**

update passengers set name = "Sarvindh" where passenger\_Id = 5;

output:

Server: 127.0.0.1 » Database: airline\_reservation » Table: passengers

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tracking

Mo

<<

<

2

>

>>

☐ Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

## Delete operation:

Delete from passengers where passenger\_id = 5;

Output:

Server: 127.0.0.1 » Database: airline\_reservation » Table: passengers

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

<< < 2 | Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				passenger_id	pnr	name	age	gender	meal_choice	frequent_flier_no
<input type="checkbox"/>	Edit	Copy	Delete	3	1669050	aadith_name	10	male	yes	NULL
<input type="checkbox"/>	Edit	Copy	Delete	3	2369143	blah	10	male	yes	NULL
<input type="checkbox"/>	Edit	Copy	Delete	3	3773951	aadith	11	male	yes	10001000
<input type="checkbox"/>	Edit	Copy	Delete	3	4797983	aadith_name	10	male	yes	10001000
<input type="checkbox"/>	Edit	Copy	Delete	3	4807312	SURESH	22	male	yes	NULL
<input type="checkbox"/>	Edit	Copy	Delete	3	5421865	pass3	30	male	yes	NULL
<input type="checkbox"/>	Edit	Copy	Delete	4	2369143	blah	42	female	yes	NULL
<input type="checkbox"/>	Edit	Copy	Delete	4	4807312	RAMESH	65	male	yes	NULL

☐ Check all    With selected: Edit Copy Delete Export


<< < 2 | Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Console

Press Ctrl+Enter to execute query

```
>Delete from passengers where passenger_id = 5
```

## FRONTEND

[Home](#)[Book Tickets](#)[About Us](#)[Contact Us](#)[Login](#)

Login Details:-


**Username:**


**Password:**

**User Type:**




Customer ☐ Administrator ☒

Login

 Create New User Account?

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## Welcome karan

-  Book Flight Tickets
-  View Booked Flight Tickets
-  Cancel Booked Flight Tickets



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## SEARCH FOR AVAILABLE FLIGHTS

Enter the Origin

Enter the Destination

Enter the Departure Date



Enter the No. of Passengers



Enter the Class



Search for Available Flights

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## AVAILABLE FLIGHTS

Flight No.	Origin	Destination	Departure Date	Departure Time	Arrival Date	Arrival Time	Price(Economy)	Select
AA101	bangalore	mumbai	2021-06-02	21:00:00	2021-06-03	01:00:00	₹ 5000	<input type="radio"/>

[Select Flight](#)[Home](#)[Dashboard](#)[About Us](#)[Contact Us](#)[Logout](#)

## ADD PASSENGERS DETAILS

### PASSENGER 1

Passenger's Name

Harsha

Passenger's Age

20

Passenger's Gender

Male

Passenger's Inflight Meal

Yes

Passenger's Frequent Flier ID  
(if applicable)

## ENTER TRAVEL DETAILS

Do you want access to our Premium  
Lounge?Yes ☒ No ☐

Do you want to opt for Priority Checkin?

Yes ☒ No ☐Do you want to purchase Travel  
Insurance?Yes ☒ No ☐[Submit Travel/Ticket Details](#)

[Home](#)[Dashboard](#)[About Us](#)[Contact Us](#)[Logout](#)

## ENTER THE PAYMENT DETAILS

### Payment Summary

Base Fare, Fuel and Transaction Charges (Fees & Taxes included):	₹ 5000
Meal Combo Charges:	₹ 250
Priority Checkin Fees:	₹ 200
Lounge Access Fees:	₹ 300
Insurance Fees:	₹ 100
Discount:	₹ 0

---

<b>Total:</b>	<b>₹ 5850</b>
---------------	---------------

---

Your Payment/Transaction ID is **167218528**. Please note it down for future reference.

### Enter the Payment Mode:-

☒ Credit Card☐ Debit Card☐ Net Banking[Pay Now](#)[Home](#)[Dashboard](#)[About Us](#)[Contact Us](#)[Logout](#)

## BOOKING SUCCESSFUL

Your payment of ₹ 5850 has been received.

Your PNR is 3401634. Your tickets have been booked successfully.

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## VIEW BOOKED FLIGHT TICKETS

### Upcoming Trips

PNR	Date of Reservation	Flight No.	Journey Date	Class	Booking Status	No. of Passengers	Payment ID
3401634	2021-05-24	AA101	2021-06-02	economy	CONFIRMED	1	167218528
9514328	2021-05-24	AA101	2021-06-02	business	CONFIRMED	1	889761635

### Completed Trips

No trips completed in the past 30 days!

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## CANCEL BOOKED TICKETS

Enter the PNR

Cancel Ticket

[Home](#)[Dashboard](#)[Logout](#)

## VIEW LIST OF BOOKED TICKETS FOR A FLIGHT

Enter the Flight No.

AA101

Enter the Departure Date

06/02/2021

[Home](#)[Dashboard](#)[Logout](#)

## LIST OF BOOKED TICKETS FOR THE FLIGHT

PNR	Date of Reservation	Class	No. of Passengers	Payment ID	Customer ID
2369143	2021-05-01	business	4	467972527	blah
3027167	2021-05-11	economy	2	862686553	aadith
3401634	2021-05-24	economy	1	167218528	karan
5421865	2021-05-19	economy	3	665360715	harryroshan

Flight Number

AA105

Origin

Surat

Destination

Delhi

Departure Date

06/15/2021



Arrival Date

06/16/2021



Departure Time

11:40 PM



Arrival Time

01:40 AM



Number of Seats in Economy Class

5

Number of Seats in Business Class

5

Ticket Price(Economy Class)

500

Ticket Price(Business Class)

800

Jet ID

10008

Submit

[Home](#)[Dashboard](#)[Logout](#)

## ENTER THE FLIGHT SCHEDULE TO BE DELETED

Enter a valid Flight No.

Enter the Departure Date

[Home](#)[Dashboard](#)[Logout](#)

## ENTER THE AIRCRAFTS DETAILS

Enter a valid Jet ID

Enter the Jet Type/Model

Enter the total capacity of the Jet

[Home](#)[Dashboard](#)[Logout](#)

## ENTER THE AIRCRAFT TO BE ACTIVATED

Enter a valid Jet ID

Activate

[Home](#)[Dashboard](#)[Logout](#)

## ENTER THE AIRCRAFT TO BE DEACTIVATED

Enter a valid Jet ID

Deactivate

[Home](#)[Dashboard](#)[About Us](#)[Contact Us](#)[Logout](#)

## CANCEL BOOKED TICKETS

Your ticket has been cancelled successfully.

Your amount of ₹ 7097.50 will be refunded to your bank account (Cancellation charge on 15% of your ticket amount has been deducted).



### Source Code URL

<https://github.com/karanraj24/AIR-RESERVATION/tree/master> - Application Source

Code URL (GtHub).

## CONCLUSION

The “airline reservation system” was successfully designed and is tested for accuracy and quality. During this project we have accomplished all the objectives and this project meets the needs of the organization. The developed will be used in searching, retrieving, and generating information for the concerned requests. The advantages that are with this proposed system are Reduced entry work, Easy retrieval of information, Reduced errors due to human intervention, User friendly screens to enter the data, Portable and flexible for further enhancement, Web enabled, and Fast finding of information requested.

We have collected the information from the idea and created an Entity Relationship Diagram. Relational Schema was mapped from the ERD and Normalisation check was done, and we found all the tables are already normalised. We have created data description tables and wrote SQL statements for the tables.

## REFERENCES

For Database – Xampp Server - <https://www.apachefriends.org/download.html>

Phpmyadmin - <http://localhost/phpmyadmin/index.php>

For sql related queries - <https://www.w3schools.com/>

For drawing E R diagram and Relational schema - <https://erdplus.com/>

For Github - <https://www.youtube.com/watch?v=ibNqauPoicg>

For javascript - <https://www.w3schools.com/js/>

American Psychological Association (APA) format is used to prepare this documentation - [Paper format \(apa.org\)](#)

## **FUTURE ENHANCEMENT**

- ☐ This system can be updated as online system.
- ☐ Multi-user Interface can be added to this system.
- ☐ As an Aviares prepared for future growth it determine, it would replace open skies airline reservation system.