**DBMS PROJECT**

**On**

**Airline Reservation system**

**Submitted By –**

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**Acknowledgement**

**This is a certified work done by Shivansh Bhardwaj under the guidance of Prof. Namita Mittal.**

**Tools Used :-**

**Front-End=HTML,CSS,JS,Bootstrap**

**Back-End=PHP,Mysql**

**Sources Used:**

**wikipedia,w3schoos,geeksforgeeks,google flights,stackoverflow**

**About Project**

**A demo WebSite of Airline Reservation System with Customer and Admin login with many features as Create\_User,Forgot\_password**

**Customer Can:**

* + **Book Flight Tickets for a particular date between selected cities**
  + **View booked tickets**
  + **Cancel booked Tickets**

**Admin Can:**

* + **Add new jet**
  + **Add new flight**
  + **Cancel a flight**
  + **View booked ticket Statistics**

**Modules Used In the Project :**

customer\_homepage.php

Displays the customer dashboard after customer login

admin\_homepage.php

Displays the admin dashboard after admin login

login\_handler.php

Authenticate valid user by username and password by matching from customer table and start session if success

logout\_handler.php

Logout a user by ending the session

new\_user\_form\_handler.php

Registers a new user by taking input all the necessary details and inserting them into customer table

book\_tickets.php

Inputs the flight requirements from user such as departure and arrival details and number of passengers and redirects to view\_flights\_form\_handler

view\_flights\_form\_handler.php

Displays all the flights that meets the user requirements. User select a flight for booking and redirects to book\_tickets2.php.Prices are Dynamic.

book\_tickets2.php

User is required to enter all the required details for ticket booking such as passenger names, age and choice of meal.

add\_ticket\_details\_form\_handler.php

It processes all the passengers information and redirects user to payment page.

payment\_details.php

It displays all the payment modes and amount to be paid.

payment\_details\_form\_handler.php

It handles the payment and if payment is success, redirects to ticket\_success page.

ticket\_success.php

It displays that ticket is successfully booked.

forgot\_pass\_handler.php

It handles the forgot password request and redirects user to window where he can create new password only if details given by user are verified.

view\_booked\_tickets.php

It helps the user to view tickets from tickets table in database having the given cust. id

cancel\_booked\_tickets.php

It helps the user to cancel the tickets booked having the provided pnr number by customer.

add\_flight\_details\_form\_handler.php

It helps the admin to add new flight into the flight\_details table with the help of jet\_id.

add\_jet\_details\_form\_handler.php

It helps the admin to enter details of a new jet and give it a unique jet\_id

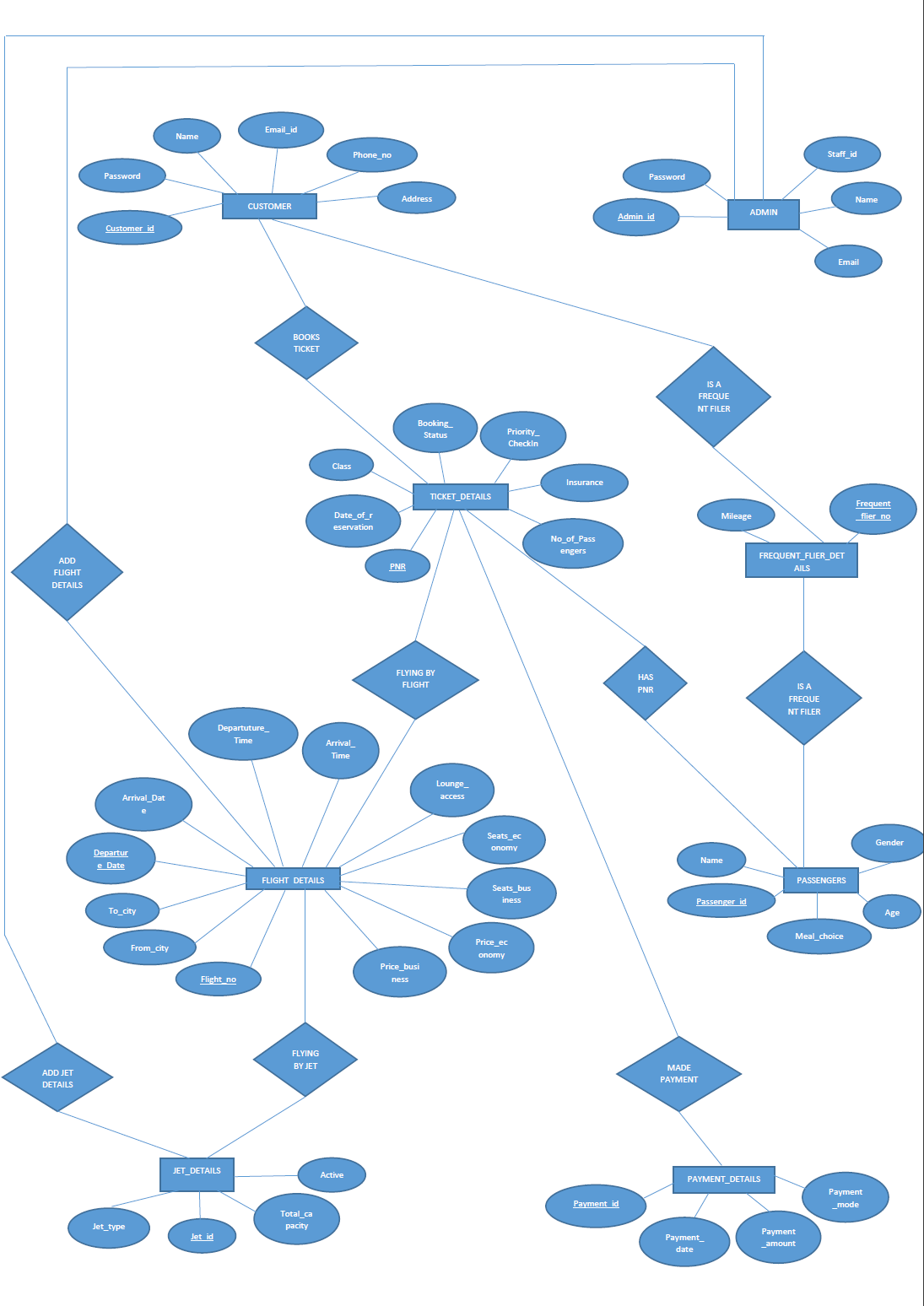
view\_booked\_tickets\_statistics\_form\_handler.php

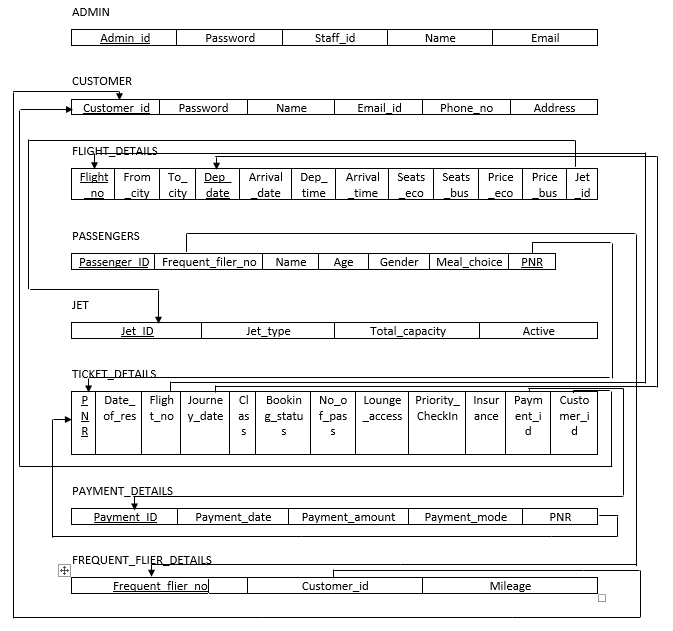
It helps the admin to view number of tickets booked for a particular day

by querying into ticket\_details table.

activate\_jet\_details.php and deactivate\_jetdet.php

Admin can activate and deactivate a jet so that it can be used to schedule a flight or not



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**Functional Dependencies :-**

**Customer**

customer\_id->

pwd,name,email,phone\_no,address

Bcnf Form

**Admin**

admin\_id->

pwd\_type,staff\_id,name,email

Bcnf Form

**Jet\_details**

jet\_id->

jet\_type,jet\_type,total\_capacity,active

Bcnf Form

**Flight\_details**

flight\_no,departure\_date->

from\_city,to\_city,arrival\_date,departure\_time,arrival\_time,seats\_economy,seats\_business,price\_economy,price\_business,jet\_id

Bcnf Form

**Ticket Details**

**pnr**->

date\_of\_reservation,flight\_no,journey\_date,class,booking\_status,no\_of\_passengers,lounge\_access,priority\_checkin,insurance,payment\_id,customer\_id

Bcnf Form

**Payment\_details**

**payment\_id**->

pnr,payment\_date,payment\_date,payment\_amount,payment\_mode

Bcnf Form

**Passengers**

**passenger\_id,pnr->**

**name**,age,gender,meal\_choice,frequent\_flier\_nos

Bcnf Form

**Frequent\_flier\_details**

**frequent\_flier\_no->**

customer\_id,mileage

Bcnf Form