INTRA-DISCIPLINARY PROJECT-II REPORT

"AIRLINE MANAGEMENT SYSTEM"

Submitted

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CERTIFICATE

This is to certify that the Intra-Disciplinary Project-II entitled **"Airline management System"** that is being submitted by **E.C. Sri Hari (201FA04253), Y. Vinod (201FA04453), M.S.K. Chaitanya (201FA04460)** for partial fulfilment of Intra-Disciplinary Project-II is a bonafide work carried out under the supervision of ***MS G Keerthi, Asst. professor*** *and* ***DR B. Samatha, Asst. professor*** from Department of Computer Science & Engineering.

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DECLARATION

We hereby declare that the Intra-Disciplinary Project-II entitled **"Airline Management System"** is being submitted by **Y. Vinod (201FA04453), E. Sri Hari (201FA04253), M.S.K. Chaitanya(201FA04460)** in partial fulfilment of Intra-Disciplinary Projects-II course work. This is our original work, and this project has not formed the basis for the award of any degree. We have worked under the supervision of ***MS G. Keerthi, Asst. professor*** *and* ***DR B. Samatha, Asst. professor*** from Department of Computer Science & Engineering.

By

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EDE CHARAN SRI HARI

MS KRISHNA CHAITANYA

Date:

ABSTRACT

Airline management system is based on general requirements of any airline. This project provides secure access to the database to all authorized users of the system. This work is handled by user module. New traveling destination can be added by Destination master. New flight schedule between the two destinations can be setup by Flight scheduling module. After successful reservation customer is asked for payment which is handled by payment module. Any request for cancelling ticket is handled by Cancel reservation module. Airline management system generates all the general-purpose MIS reports required by the management from time to time.

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1. INTRODUCTION

1.1 Introduction:

Airport Management System is a web application, developed to maintain the details of passengers, flight details in an airport. It maintains information about the personal details of the passengers and their bookings. The passengers have the ability to generate and download their flight ticket in a pdf format. Admin can log in and perform their respective functionalities such as clearing and checking in passengers and generating the flight details. Airport Management System is an application developed in HTML, PHP. It is user-friendly and very intuitive. It is fast and can perform many operations which are necessary for an airport. It is simple to understand and can even be used by people who are not even familiar with the workings of an airport.

1.2 Objective:

- Help airlines system in making their business more efficient
- Complete automation of airlines management
- Provide accurate information about the addition and modification of records
- Provide efficient and reliable structure that can handle large number of customer data

1.3 project description:

This Airline management system project is able to provide much facility to the airline staff. This project allows user to add record when passenger request to book a ticket. This project use SQL server as back end so it can handle data of very large customer database and all data generated by the airline such as flight schedule, ticket booking detail, customer records, destination places detail etc. This is a very well-structured project so it is very easy to retrieve old records by just few clicks. This is generalized software and can be adopted by any organization for smooth flow of work

2. Software and hardware requirements specifications

2.1 Software Requirements

1.windows 10 or above

2.xampp 7.4 version or above

3.web browser (Firefox or chrome or Microsoft edge)

2.2 Hardware Requirements

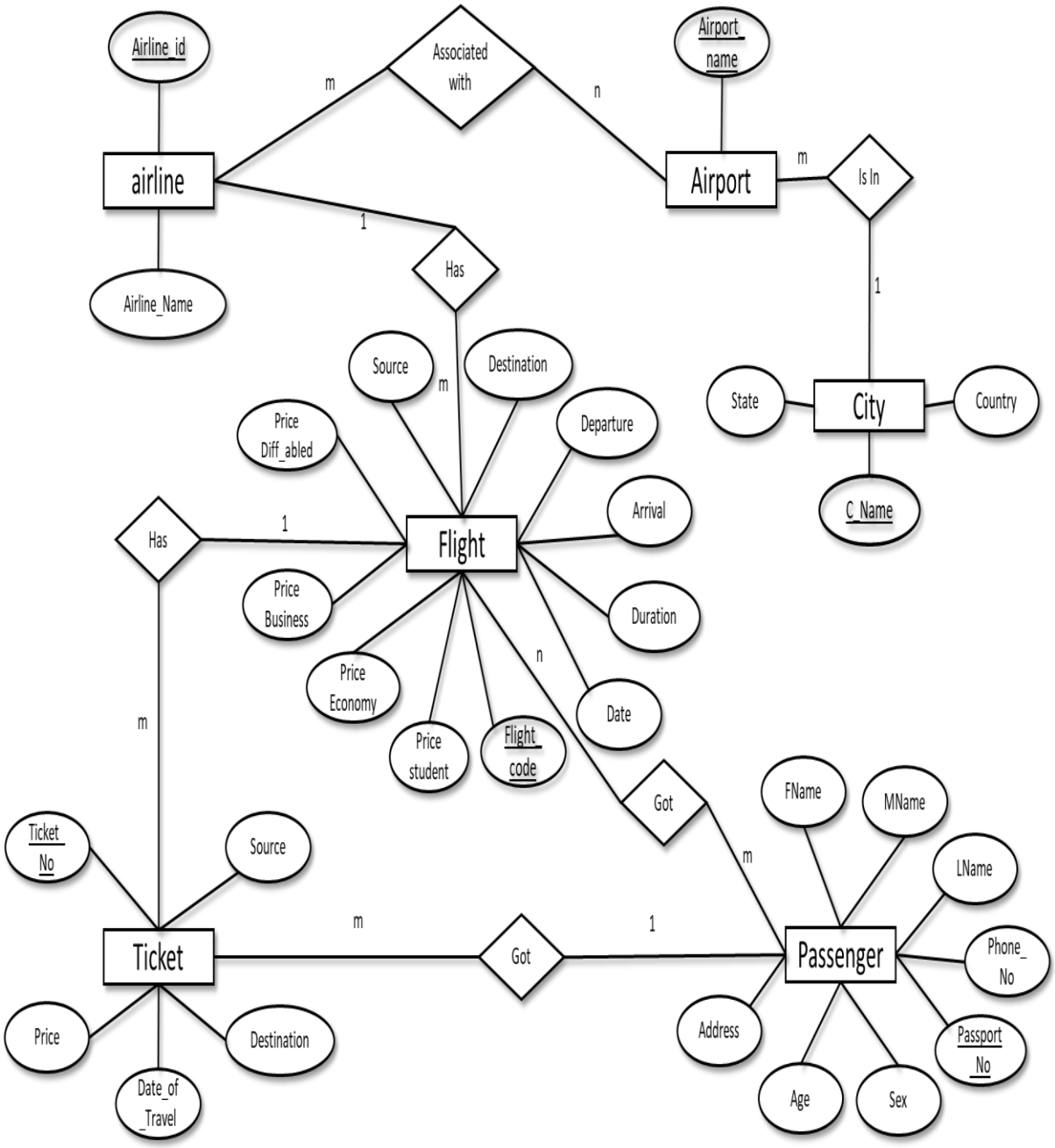
1.A system with minimum speed of 2.1 GHz.

2. A minimum ram capacity of 512MB.

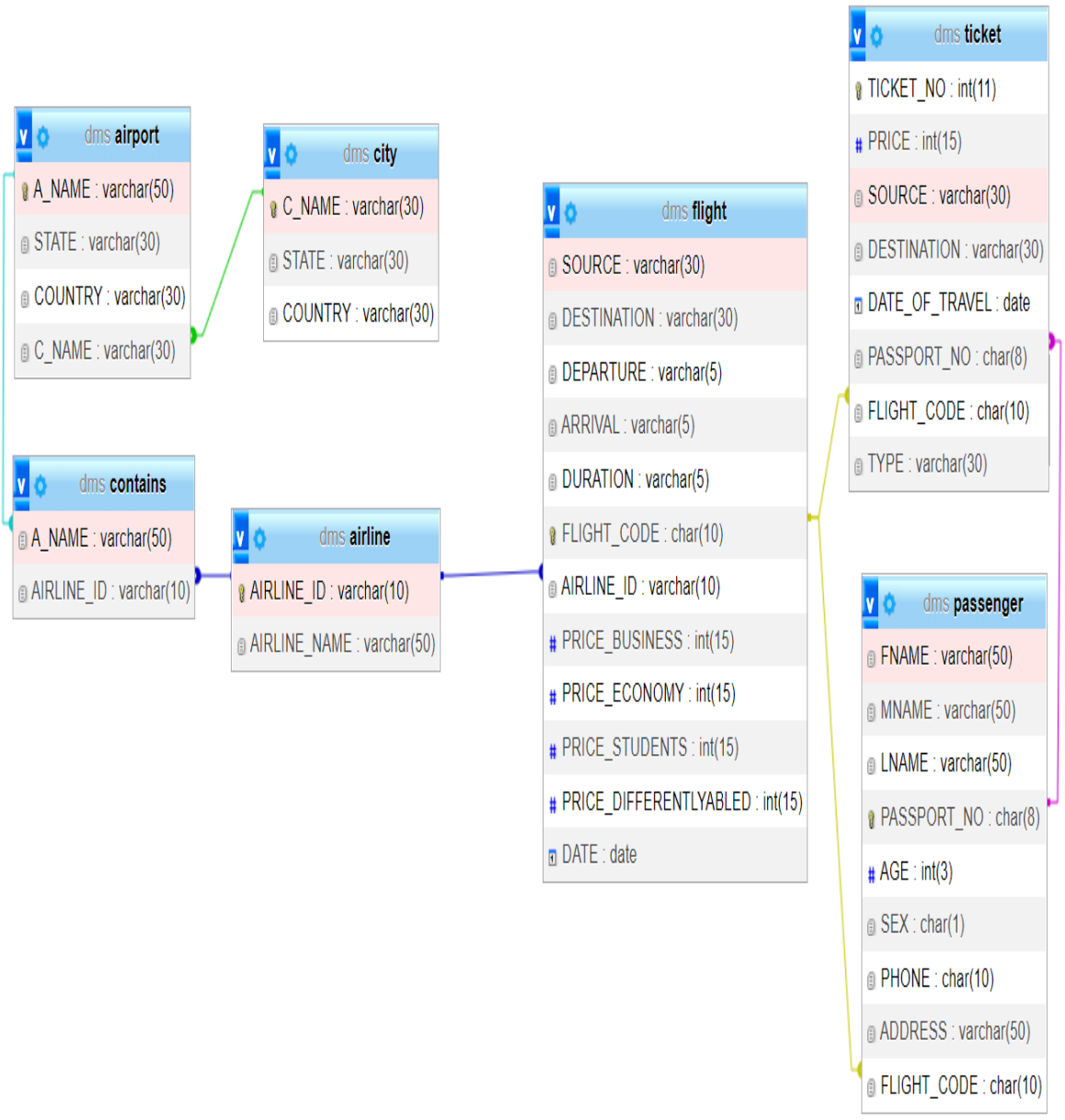
3.Harddisk capacity of at least 100MB free space

3.Design

3.1 ER Diagram



3.2 Database Schema



4: Implementation

4.1 Sample Source Code

```
<!DOCTYPE html>
<html>
<head>
    <title>ADMIN LOGIN</title>
</head>
<body>
    <div class="main">
            <ul>
                <li class="active"><a href="#">Admin Login</a></li>
                <li><a href="homepage.html">Home</a></li>
            </ul>
        </div>
    <div class="title">
        <h1>Admin Login</h1>
    </div>
    <form method="post">
        <table class="a" width=40%>
            <tr>
                <td>
                    User Name:
                <td>
                    <input type="text" placeholder="User Name" name="username" required>
                </td>
            </tr>
            <tr>
                <td>
                    Password:
                </td>
                <td>
                    <input type="password" placeholder="Password" name="password" required>
                </td>
            </tr>
            <tr>
                <td>
                    <input type="submit" name="submit" value="Login">
                </td>
            </tr>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <title>ADMIN OPTIONS</title>
</head>
<body>
    <header>
        <div class="main">
            <ul>
                <li class="active"><a href="#">Admin</a></li>
                <li><a href='homepage.html'>Logout</a></li>
            </ul>
        </div>
        <div class="title">
            <h1>ADMIN OPTIONS</h1>
        </div>
        <div class="choices">
            <a href="viewflights.php" class="a">View Flights</a>
            <a href="admin_form.php" class="a">Add Flights</a>
            <a href="deletedetails.php" class="a">Delete Flights</a>
            <a href="modifyadmindetails.php" class="a">Modify Flights</a>
            <a href="adminPassenger.php" class="a">Passenger Details</a>
        </div>
    </header>
</body>
</html>
```

4.2 Sample Database:

CREATE TABLE airline (AIRLINE_ID VARCHAR (10) PRIMARY KEY, AIRLINE_NAME VARCHAR (50));

CREATE TABLE airport (A_NAME VARCHAR (50) PRIMARY KEY, STATE VARCHAR (30) NOT NULL, COUNTRY VARCHAR (30) NOT NULL, C_NAME VARCHAR (30), REFERENCES city(C_NAME));

CREATE TABLE city (C_NAME VARCHAR (30) PRIMARY KEY, STATE VARCHAR (30) NOT NULL, COUNTRY VARCHAR (30));

CREATE TABLE contains (A_NAME VARCHAR (50) REFERENCES airport(A_NAME), AIRLINE_ID VARCHAR (10) REFERENCES airline (AIRLINE_ID));

CREATE TABLE flight (SOURCE VARCHAR (30) NOT NULL, DESTINATION VARCHAR (30) NOT NULL, DEPARTURE VARCHAR (5), ARRIVAL VARCHAR (5), DURATION VARCHAR(5),
FLIGHT_CODE CHAR (10) PRIMARY KEY, AIRLINE_ID VARCHAR (10) REFERENCES airline (AIRLINE_ID), PRICE_BUSINESS INT (15), PRICE_ECONOMY INT (15), PRICE_STUDENTS INT (15), PRICE_DIFFERENTLYABLED INT (15), DATE DATE NOT NULL);

CREATE TABLE passenger (FNAME VARCHAR (50) NOT NULL, MNAME VARCHAR (50), LNAME VARCHAR (50) NOT NULL, PASSPORT_NO CHAR (8) PRIMARY KEY, AGE INT (3), SEX CHAR (1), PHONE CHAR (10), ADDRESS VARCHAR (50), FLIGHT_CODE CHAR (10) REFERENCES flight (FLIGHT_CODE));

CREATE TABLE ticket (TICKET_NO INT AUTO_INCREMENT PRIMARY KEY, PRICE INT (15),SOURCE VARCHAR (30), DESTINATION VARCHAR (30), DATE_OF_TRAVEL DATE, PASSPORT_NO CHAR (8) REFERENCES passenger (PASSPORT_NO), FLIGHT_CODECHAR (10) REFERENCES flight (FLIGHT_CODE), TYPE VARCHAR (30));

ScreenShots

airline

AIRLINE_ID	AIRLINE_NAME
A0121	Air India
A0122	Air Asia
A0123	Air Deccan
A0124	Indigo
A0125	Jet Airways

contains

A_NAME	AIRLINE_ID
Rajiv Gandhi International Airport	A0121
Rajiv Gandhi International Airport	A0122
Rajiv Gandhi International Airport	A0123
Rajiv Gandhi International Airport	A0125
Rajiv Gandhi International Airport	A0123

flights

SOURCE	DESTINATION	DEPARTURE	ARRIVAL	DURATION	FLIGHT_CODE	AIRLINE_ID	PRICE_BUSINESS	PRICE_ECONOMY	PRICE_STUDENTS	PRICE_DIFFERENTLYABLED	DATE
Hyderabad	Delhi	17:00:00	19:00:00	2:00	FC20220001	A0125	15000	10000	8000	7000	2022-08-16
Banglore	Hyderabad	10:50:00	11:50:00	1:00	FC20220002	A0123	6000	4000	3000	2000	2022-08-17

passengers

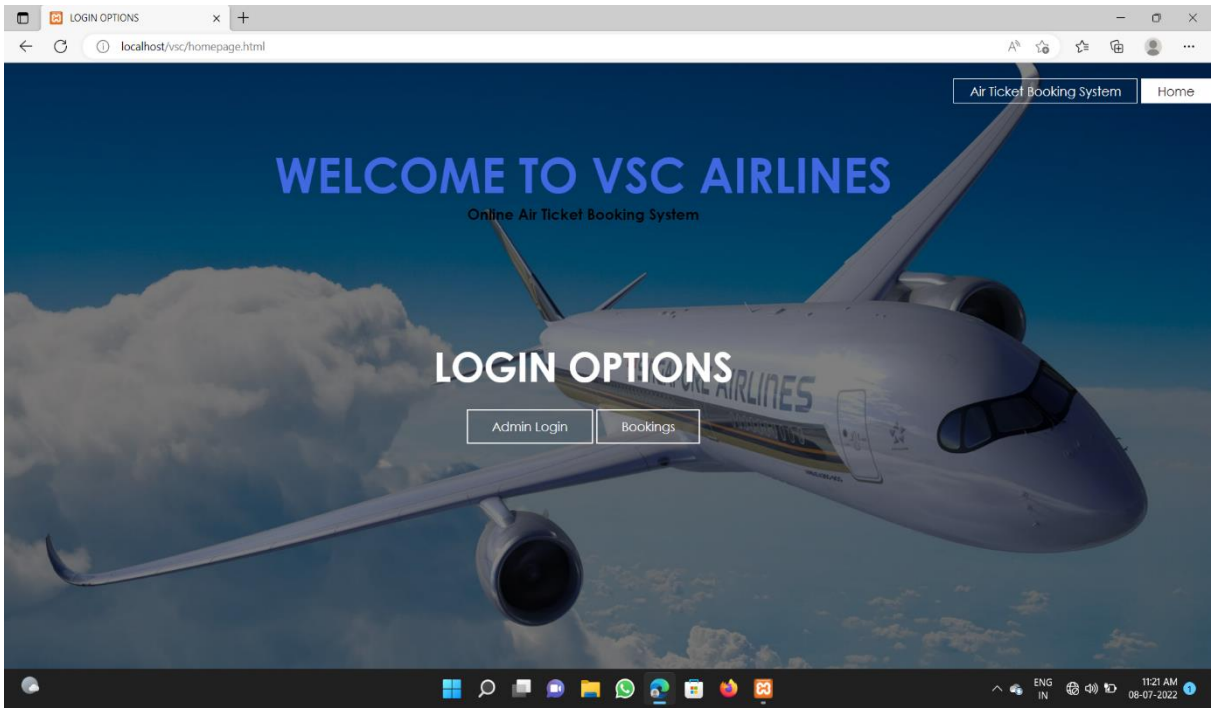
FNAME	MNAME	LNAME	PASSPORT_NO	AGE	SEX	PHONE	ADDRESS	FLIGHT_CODE
Chaitanya		mutyalapati	J1234561	20	M	6301240994	guntur,andhra pradesh,India	FC20220001
Vinod		Yendluri	J1234565	43	M	6304393058	machilipatnam,Andhra Pradesh,India	FC20220001
Charan		Ede	J1234567	23	M	6304393058	machilipatnam,Andhra Pradesh,India	FC20220001

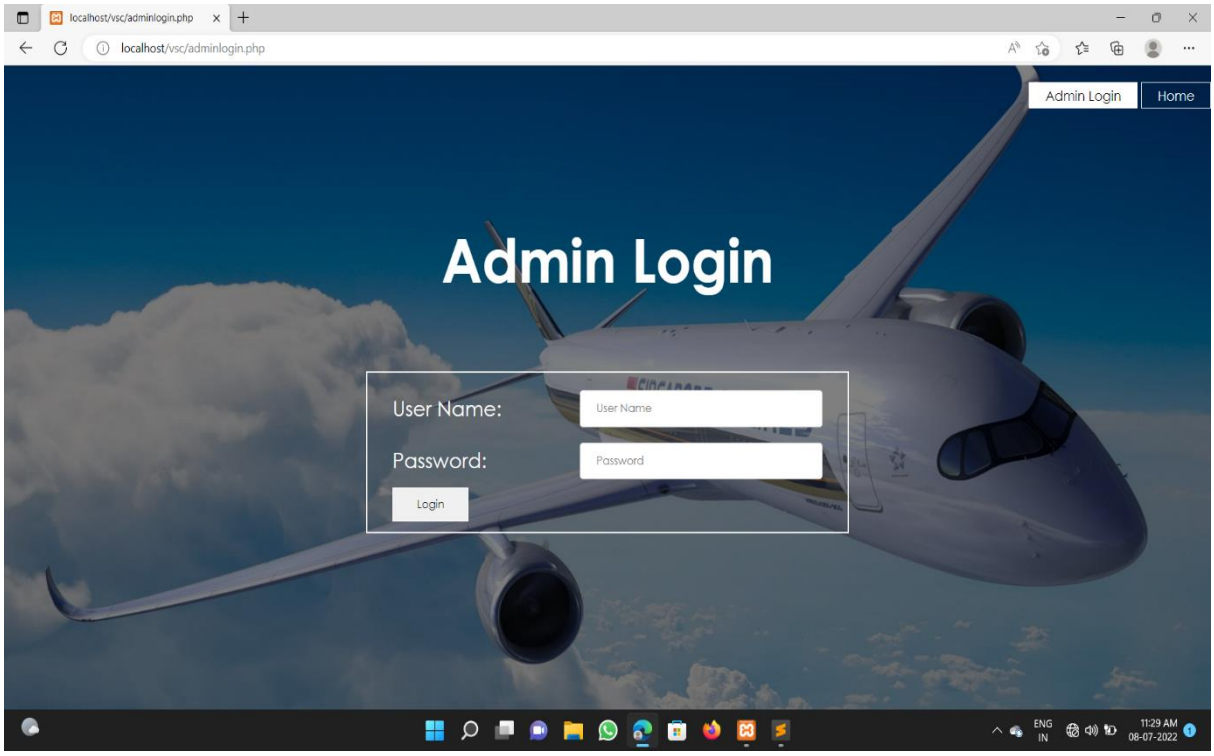
tickets

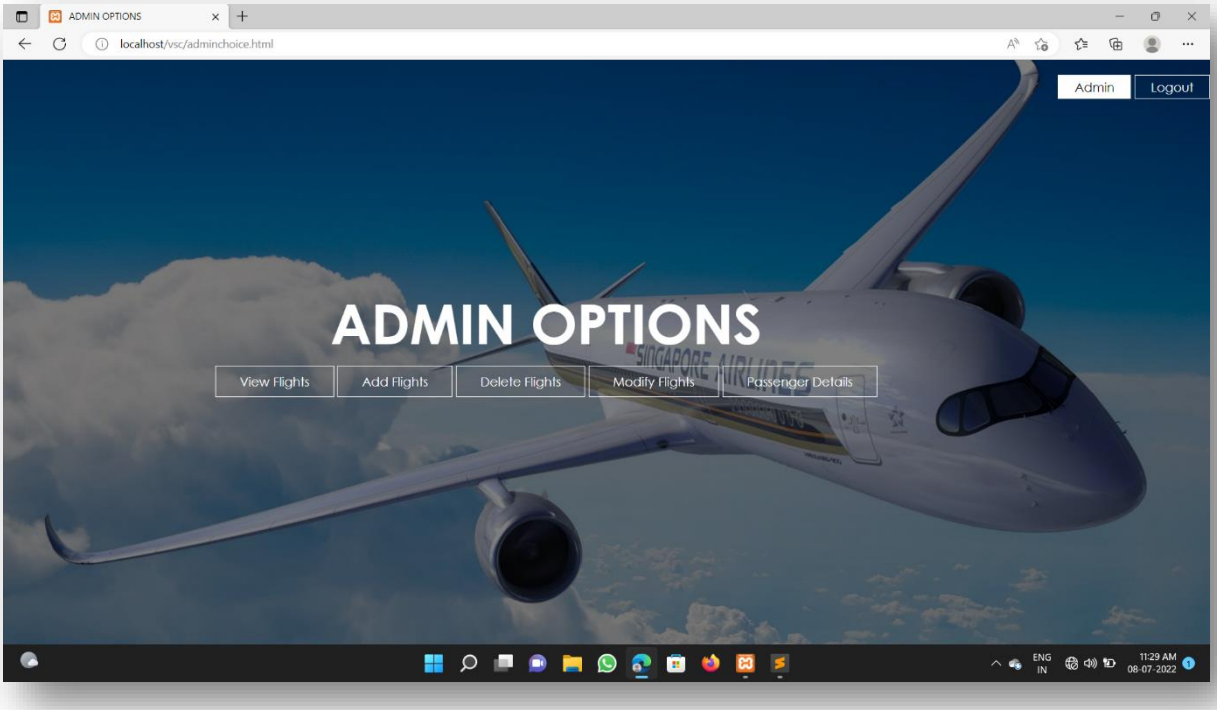
TICKET_NO	PRICE	SOURCE	DESTINATION	DATE_OF_TRAVEL	PASSPORT_NO	FLIGHT_CODE	TYPE
49	15000	Hyderabad	Delhi	2022-08-16	J1234567	FC20220001	BUSINESS CLASS
50	15000	Hyderabad	Delhi	2022-08-16	J1234565	FC20220001	BUSINESS CLASS
51	10000	Hyderabad	Delhi	2022-08-16	J1234561	FC20220001	ECONOMY CLASS

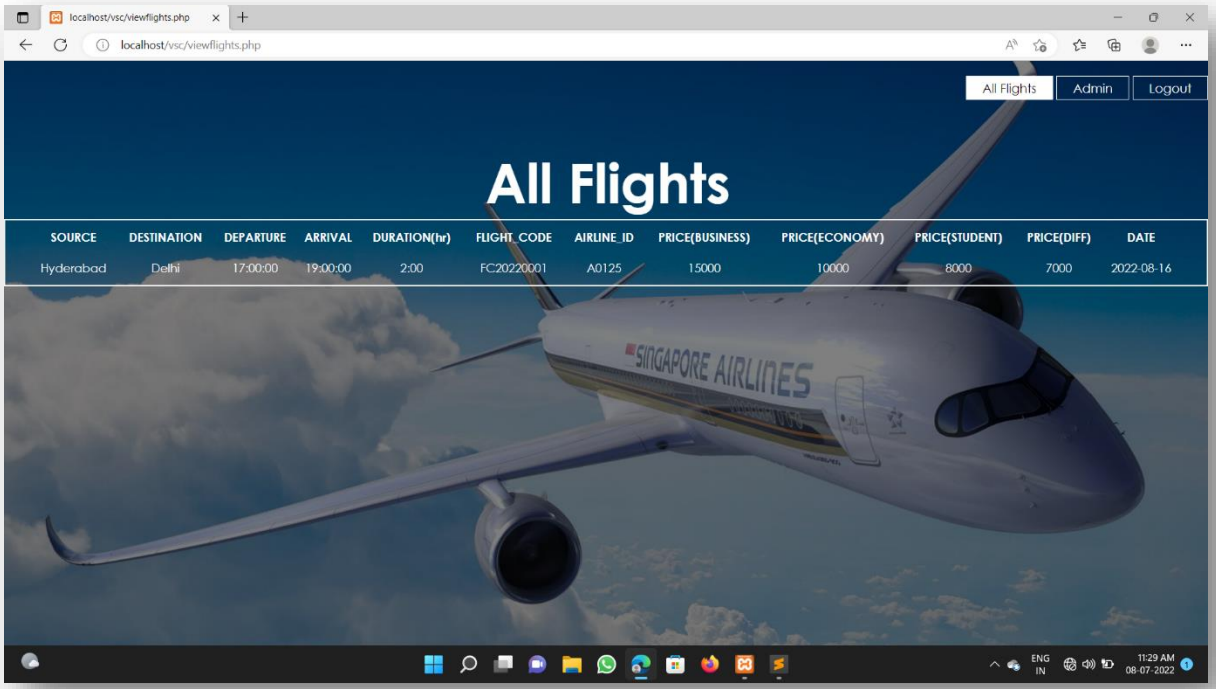
5: Results

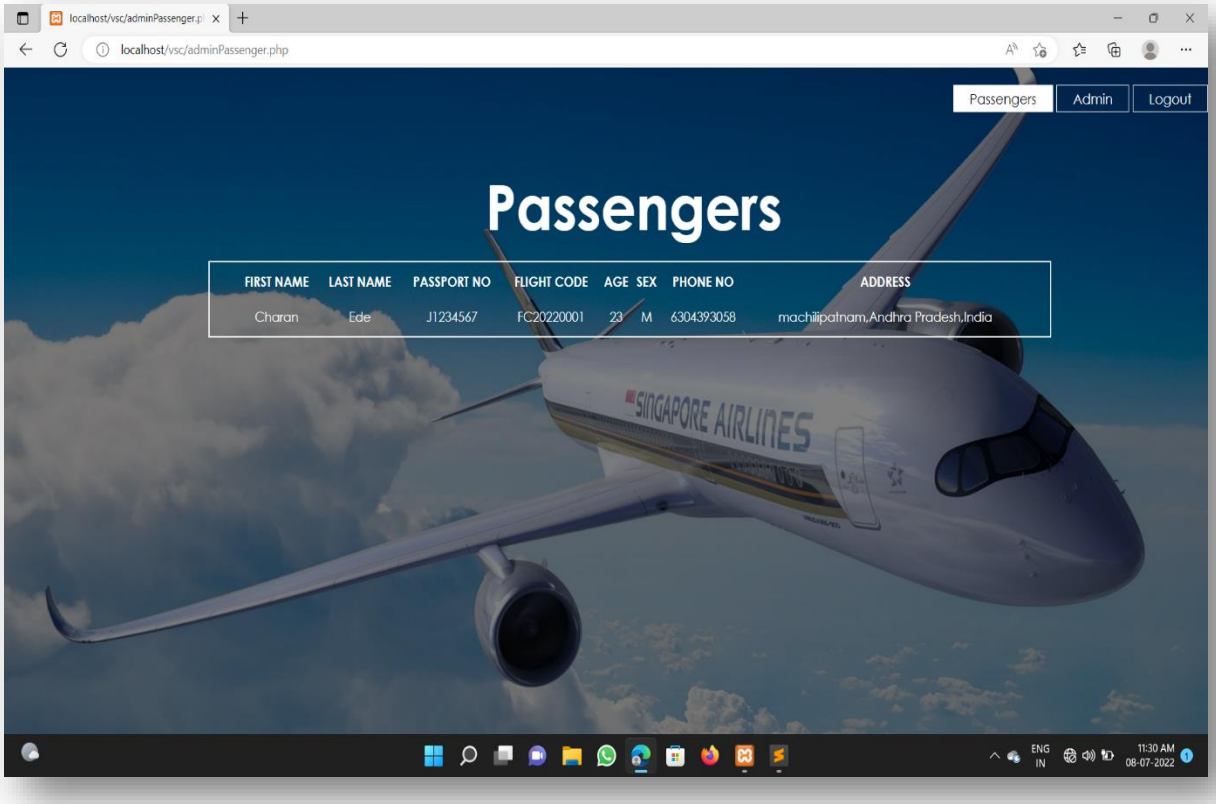
5.1 Screen Shots:

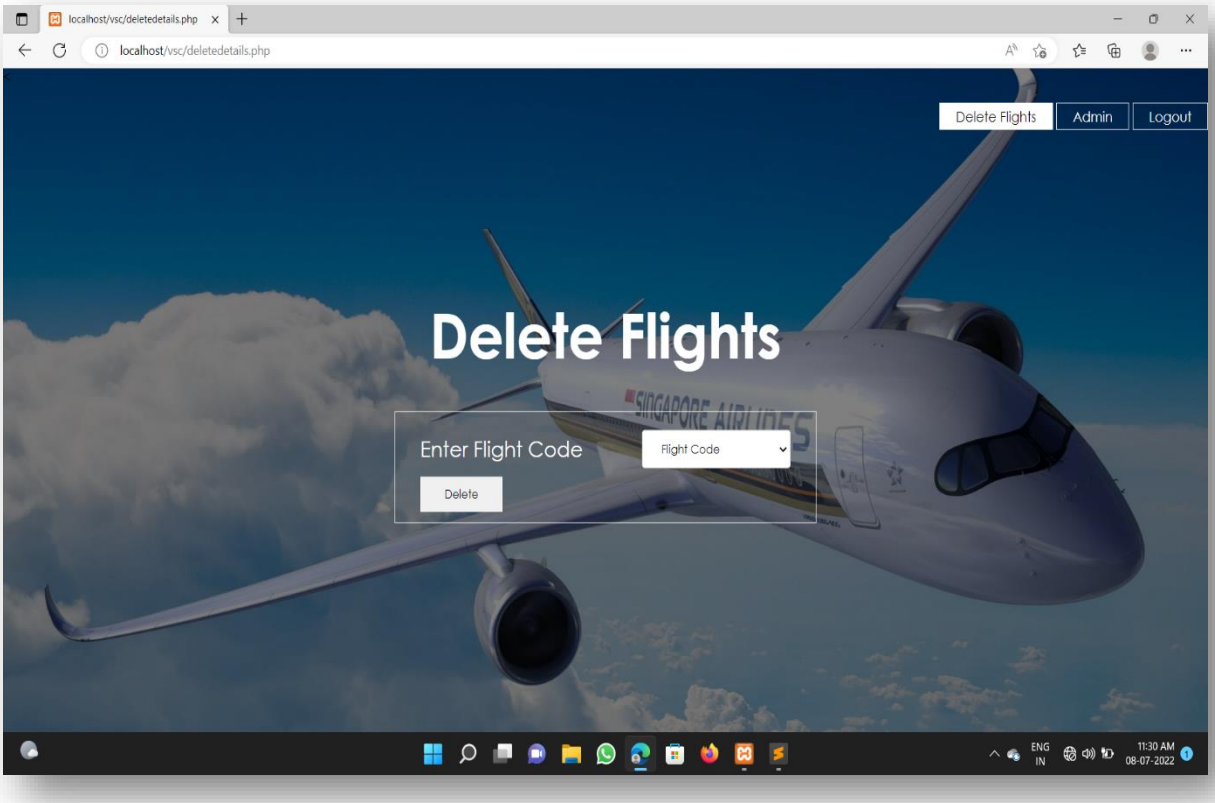


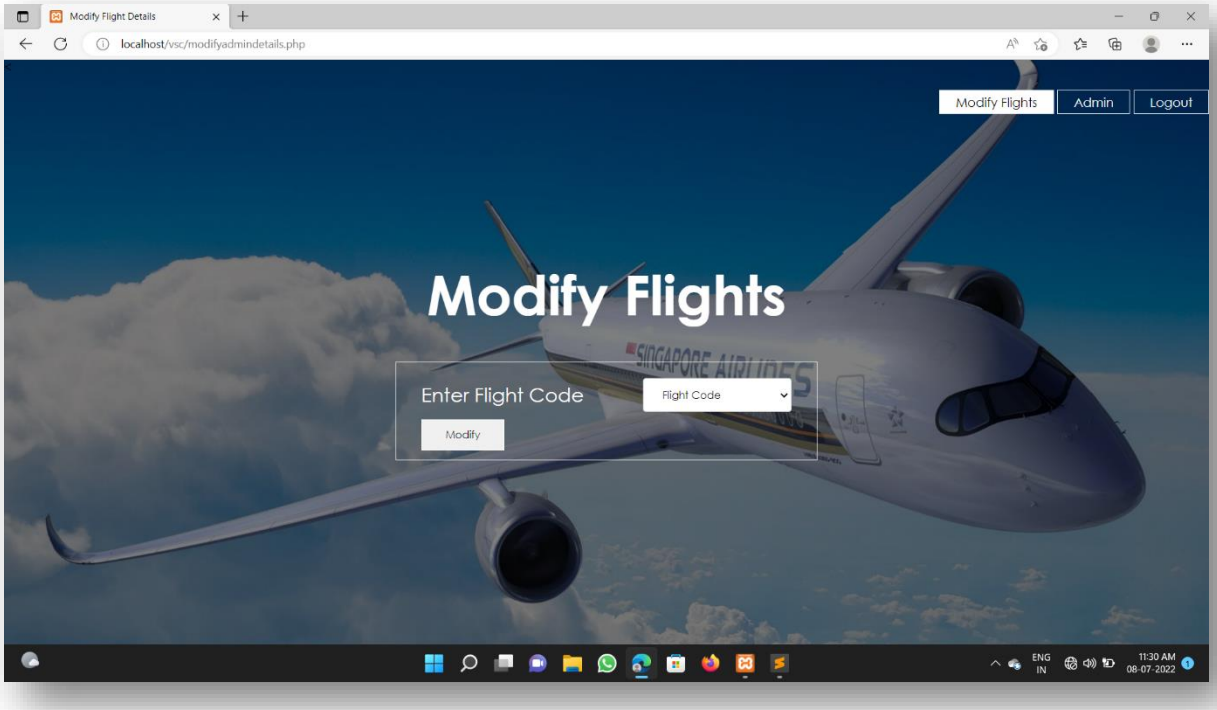


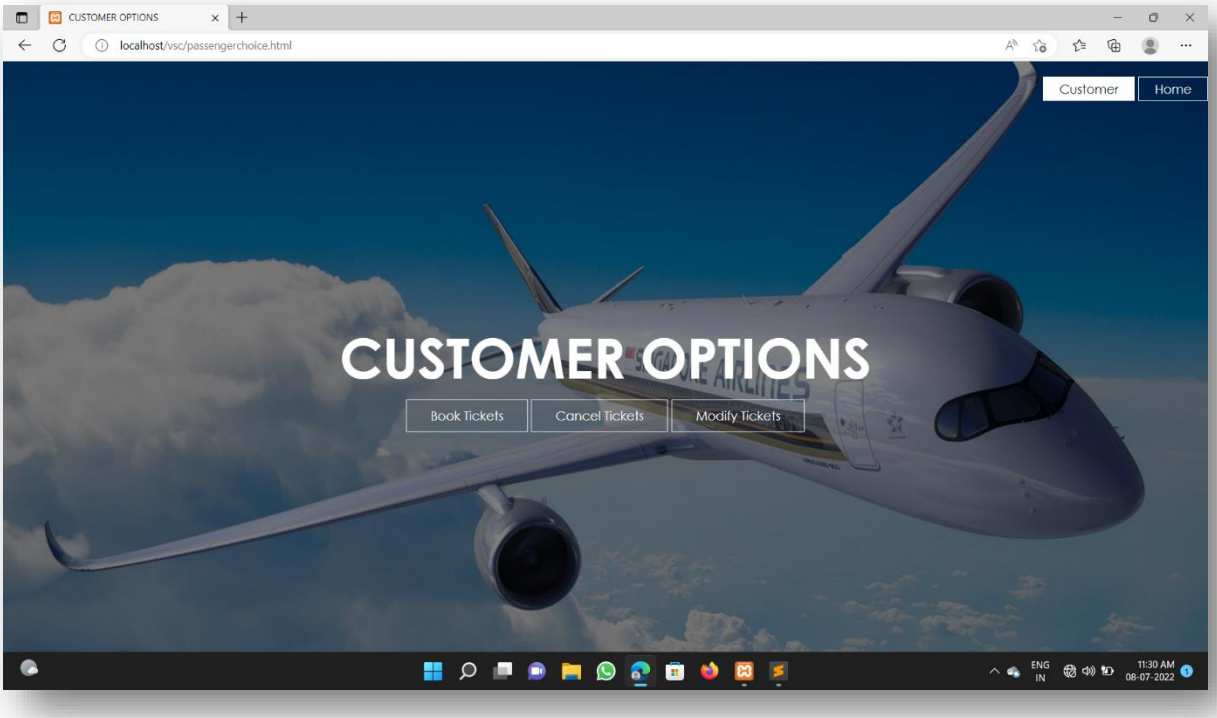

ADMIN OPTIONS
localhost/vsc/adminchoice.html
Admin
Logout
ADMIN OPTIONS
View Flights
Add Flights
Delete Flights
Modify Flights
Passenger Details


localhost/vsc/viewflights.php
All Flights
Admin
Logout
All Flights
SOURCE DESTINATION DEPARTURE ARRIVAL DURATION(hr) FLIGHT_CODE AIRLINE_ID PRICE(BUSINESS) PRICE(ECONOMY) PRICE(STUDENT) PRICE(DIFF) DATE
Hyderabad Delhi 17:00:00 19:00:00 2:00 FC20220001 A0125 15000 10000 8000 7000 2022-08-16
SINGAPORE AIRLINES


localhost/vsc/adminPassenger.php
Passengers
Admin
Logout
Passengers
FIRST NAME
LAST NAME
PASSPORT NO
FLIGHT CODE
AGE
SEX
PHONE NO
ADDRESS
Charan
Ede
J1234567
FC20220001
23
M
6304393058
machilipatnam,Andhra Pradesh,India
SINGAPORE AIRLINES
ENG
IN
11:30 AM
08-07-2022


localhost/vsc/deletedetails.php
Delete Flights
Admin
Logout
Delete Flights
Enter Flight Code
Flight Code
Delete
SINGAPORE AIRLINES
ENG
IN
11:30 AM
08-07-2022


Modify Flight Details
localhost/vsc/modifyadmindetails.php
Modify Flights
Admin
Logout
Modify Flights
Enter Flight Code
Flight Code
Modify
ENG
IN
11:30 AM
08-07-2022


CUSTOMER OPTIONS
localhost/vsc/passengerchoice.html
Customer
Home
CUSTOMER OPTIONS
Book Tickets
Cancel Tickets
Modify Tickets
ENG
IN
11:30 AM
08-07-2022

6 conclusion

The Airline reservation system has been a way of minimizing the clerical work, which is almost a routine and consumes the most precious time. This AIRLINE MANAGEMENT SYSTEM has been an attempt to help the user to minimize his workload along with minimizing the paper works and saving of time.

The system has been developed in a way to make it very user friendly. It provides an on-line message and an error detection and error messages every time the user needs. Any person having a little bit of window based can run this system without any pain.

Almost all the difficulties of manual booking have been removed by this system. Ti wind up let me welcome all the suggestions and other improvements, which the system needs so that it covers all the needs if the user in the user way.

7 References

Web technologies book by Sammulal Porika

https://www.w3schools.com/css

https://www.w3schools.com/php

https://www.w3schools.com/html