MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Skill Based Mini Project Report

on

AIRLINE MANAGEMENT SYSTEM DATABASE

Submitted By:

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0901CS201081

4th Sem

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ASSISTANT PROFESSOR

Submitted to: Prof. JAIMALA JHA

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Nitin Patidar**(0901CS201081) has submitted the project report titled **AIRLINE MANAGEMENT SYSTEM** under the mentorship of Ms.**Jaimala Jha** , in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

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Faculty Mentor
Assistant professor
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DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of Ms. **Jaimala Jha** , **Assistant Professor**, Computer science and engineering

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

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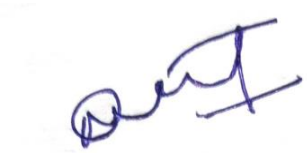

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ABSTRACT

Airline management system aims to automate the flight operations and ticket/seat booking and confirmation system of airline company. The software is providing options for viewing different flights available within a different timing for specific day. The customer should be noted when the changes has been made or any further changes.

This system allows the airline passengers to search for flight that are available between two cities namely source and destination cities for particular departure and arrival date; the system displays all the flight details such as passenger name ,source ,destination, flight number, ticket fair, duration of journey etc.

The system also provide passenger's pay fare bill safely and secured rest assured for their money.

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LIST OF ABBREVIATIONS

Abbreviation	Description
SQL _	structured query language
DBMS	data base management system
Custname	Name of passenger or customer
Custno	customer or passenger serial number
addr	address of passenger
jr_date	journey date of passenger
tkt_total	total fa of ticket
lug_total	total amount of luggage of customer
g_total	add both ticket and luggage amount

Chapter 1: INTRODUCTION

- Airline management system is software which is helpful for ticketing manager as well as passenger. In later system all activities were done manually .it was very time consuming and costly.
- Our airline system deals with the various activities related to flights.
- There are three module in the software :
- 1) search flight
- 2)flight ticket book
- 3)add/delete flight

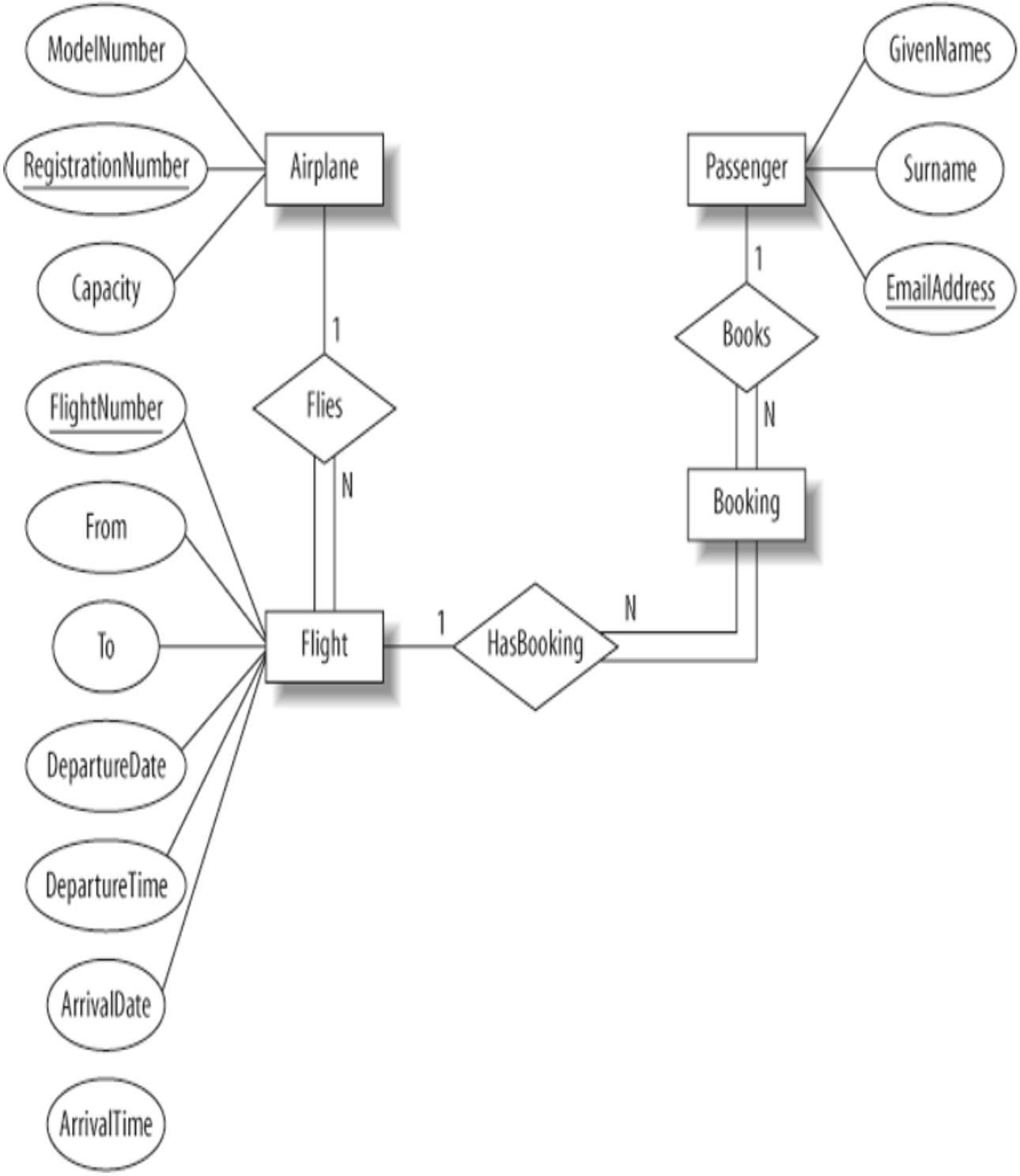
2. OBJECTIVES

Our software will perform and fulfil all tasks that any customer would desire. Our software system mainly deals with customers searching and booking flight in the airlines . the various features added to the project provide all the functions to make the task easy to perform.

3. HARDWARE/SOFTWARE USED

1) VS CODE
2) Web Browser (chrome)
3) W3school-sql triyit Editor
4) My-sql – One Compiler
5) Python language
6) Sql queries

4. ER- DIGRAM


ModelNumber
RegistrationNumber
Capacity
Airplane
1
Flies
N
FlightNumber
From
To
DepartureDate
DepartureTime
ArrivalDate
ArrivalTime
Flight
1
HasBooking
N
Passenger
GivenNames
Surname
EmailAddress
1
Books
N
Booking

1

- **5. code**

```
import os
import platform
import mysql.connector
import datetime
mydb=mysql.connector.connect(host="localhost"
,user="root",passwd="tiger",database="air")
mycursor=mydb.cursor()

def registercust():
    L=[]
    custno=int(input('Enter customer no='))
    L.append(custno)
    name=input('Enter name:')
    L.append(name)
    addr=input('Enter address:')
    L.append(addr)
    jr_date=input('Enter date of journey:')
    L.append(jr_date)
    source=input('Enter source:')
    L.append(source)
    destination=input('Enter destination:')
    L.append(destination)

    cust=(L)
    sql='insert into
pdata(custno,custname,addr,jrdate,source,dest
ination) values(%s,%s,%s,%s,%s,%s)'
    mycursor.execute(sql,cust)
```

```
    mydb.commit()


def ticketprice():
    L=[]
    cno=int(input('Enter custoner no='))
    L.append(cno)
    print('We have the following rooms for
you:-')
    print('1. type First class--->rs 6000
PN\-')
    print('2. type Business class--->rs 4000
PN\-')
    print('3. type Economy class--->rs 2000
PN\-')
    x=int(input('Enter your choice:'))
    n=int(input('Enter No. of Passengers:'))
    if x==1:
        print('you have opted First class.')
        s=6000*n
        L.append(s)
    elif x==2:
        print('you have opted Business
class.')
        s=4000*n
        L.append(s)
    elif x==3:
        print('you have opted Economy
class.')
```

```
        s=2000*n
        L.append(s)
    else:
        print('Please select a class type.')
    print('your ticket charge is =',s,'\n')
    print('Extra luggage charge 100 rs per
kg')

    y=int(input('Enter your weight,of extra
luggage:'))
    z=y*100
    L.append(z)
    tkt=(L)
    print('Your Totalbill:',s+z,'\n')
    g_tot=s+z
    L.append(g_tot)
    sql="insert into tkt
(custno,tkt_tot,lug_total,g_tot) values
(%s,%s,%s,%s)"
    mycursor.execute(sql,tkt)
    mydb.commit()

def dis():
    custno=int(input("Enter the customer
number whose bill to be viewed : "))
    sql="Select pdata.custno, pdata.custname,
pdata.addr,pdata.source,pdata.destination,tkt
.tkt_tot,tkt.lug_total, g_tot from pdata
```

```
INNER JOIN tkt ON pdata.custno=tkt.custno and
tkt.custno = %s"
    rl=(custno,)
    mycursor.execute(sql,rl)
    res=mycursor.fetchall()
    for x in res:
        print(x)

def dispall():

    sql="Select pdata.custno, pdata.custname,
pdata.addr,pdata.source,pdata.destination,tkt
.tkt_tot,tkt.lug_total, g_tot from pdata
INNER JOIN tkt ON pdata.custno=tkt.custno"
    mycursor.execute(sql)
    res=mycursor.fetchall()
    print("The Customer details are as
follows : ")

    for x in res:
        print(x)

def Menuset():
    print('Enter 1: To enter customer data.')
    print('Enter 2: For ticketamount.')
    print('Enter 3: Display customerwise
Details.')
    print('Enter 4: Display All Details.')
    print('Enter 5: Exit')
```

```
    userinput=int(input('Enter your
choice:'))
    if userinput==1:
        registercust()
    elif userinput==2:
        ticketprice()
    elif userinput==3:
        dis()
    elif userinput==4:
        dispall()
    elif userinput==5:
        quit()
    else:
        print('Enter correct choice.')

Menuset()
def runagain():
    runagn=input('\nWant to run again? y/n:')
    while runagn=='y':
        Menuset()
        runagn=input('\nWant to run again?
y/n:')
runagain()
```

OUTPUT:

```
PS C:\Users\dell> d:
PS D:\> cd .\Codeing\Python\
PS D:\Codeing\Python> py .\AIR.Py
Enter 1: To enter customer data.
Enter 2: For ticketamount.
Enter 3: Display customerwise Details.
Enter 4: Display All Details.
Enter 5: Exit
Enter your choice:1
Enter customer no=98272
Enter name:Rahul
Enter address:Indore
Enter date of journey:2022-05-07
Enter source:Gwalior
Enter destination:Indore

Want to run again? y/n:y
Enter 1: To enter customer data.
The Customer details are as follows :
(2, 'nitin', 'gwalior', 'gwalior', 'delhi', 4000, 2000, 6000)
(98272, 'Rahul', 'Indore', 'Gwalior', 'Indore', 2000, 1000, 3000)

Want to run again? y/n:y
Enter 1: To enter customer data.
Enter 2: For ticketamount.
Enter 3: Display customerwise Details.
Enter 4: Display All Details.
Enter 5: Exit
Enter your choice:5
PS D:\Codeing\Python>
```

```
mysql> select * from pdata;
+--------+----------+---------+------------+---------+-------------+
| custno | custname | addr    | jrdate     | source  | destination |
+--------+----------+---------+------------+---------+-------------+
|      1 | sagar    | indore  | 2022-05-10 | gwalior | indore      |
|      2 | nitin    | gwalior | 2022-05-12 | gwalior | delhi       |
|  98272 | Rahul    | Indore  | 2022-05-07 | Gwalior | Indore      |
+--------+----------+---------+------------+---------+-------------+
3 rows in set (0.02 sec)

mysql> select * from tkt;
+--------+---------+-----------+-------+
| custno | tkt_tot | lug_total | g_tot |
+--------+---------+-----------+-------+
|      2 |    4000 |      2000 |  6000 |
|  98272 |    2000 |      1000 |  3000 |
+--------+---------+-----------+-------+
2 rows in set (0.00 sec)
```

CONCLUSION:

An Airline Management System is a managerial software which targets to control all operations of an airline. Airline provides transport provides transport services for their passengers .they carry or hire aircraft for this purpose. All operations of an airline company are controlled by their management system.

The primary advantage of air line management system : it saves time and money . provide every information about flight. 24/7 customer support through chat and calls