

# **CONTENTS**

SNO	TOPIC	PAGE NO
1	ACKNOWLEDGEMENT	
2	INTRODUCTION	
3	SYSTEM ANALYSIS	
4	SYSTEM DESIGN	
5	SOURCE CODE	
6	OUTPUT	
7	BIBILIOGRAPHY	

## **ACKNOWLEDGEMENT**

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## INTRODUCTION

Travelling by air is one of the most common means of transportation today. With majority of the world's population preferring to travel by air, a management system is required to manage the vast data involved in this industry, primarily data concerning the staff and the passengers.

Apart from properly managing the enormous data involved here, a good management system must also make appropriate use of this data to efficiently assign duties to staff members.

Pilots are the most crucial part of any aircraft. A healthy, skilled and well trained pilot guarantees a safe journey for all the travellers. Our program here takes into consideration the age and health status of pilots and the time of arrival and departure of the flight to assign the most efficient pilot for the flight. Crew members too are assigned on similar basis.

Though we could not possibly cover the enormous data involved in this sector, we have tried our best to cover the key aspects.

## SYSTEM ANALYSIS

**LANGUAGE: Python** 

**HARDWARE:** 

Processor: Intel(R) Core(TM) i5-3360M

**RAM:** 8.00 GB

HARD DRIVE: 500 GB 7200 RPM hard drive

**PLATFORM:** WINDOWS 7 (64-bit)

**EDITOR:** Microsoft word

**FRONT END:** Python (version: 3.8, 32-bit)

BACK END: MySQL

## SYSTEM DESIGN

Here, the project has been divided into different parts or modules for an easy understanding and clear representation.

#### **MODULE DESCRIPTION:**

The objective of our project is to make the management of data concerning the aircraft staff and passengers easier. We have the following modules that allow the user to

- Insert
- Display
- Update
- Delete data related to :
  - ✓ Passengers
  - **✓** Pilots
  - ✓ Crew members

Our project not just helps manage the above data, but also selects efficient pilots and crew members for any given flight. Our project also selects an appropriate aircraft on the basis of number of passengers. For storing details of passengers, pilots and crew members, we have used MySQL and the tables being used along with their names are given below:

### 1.passenger\_details:

#stores details of passengers where aadhar\_no is being used as primary key.

FIELD	TYPE
seat_no	char(3)
aadhar_no	char(12)
first_name	varchar(25)
last_name	varchar(25)
gender	char(1)
contact_no	char(10)
age	int(3)

## 2. pilot\_details :

#stores details of pilots where pilot\_id is being used as the primary key.

FIELD	TYPE
pilot_id	int
name	varchar(25)
gender	varchar(1)
age	int
contact_details	varchar(10)
qualification	varchar(25)
working_experience	int
health_status	int
aircraft_kind	varchar(25)

## 3.crewmember\_details:

#stores details of crew members and flight attendants where ID is being used as the primary key.

FIELD	TYPE
ID	int
name	varchar(25)
age	int
qualification	varchar(50)
ехр	int
travelhours	int
healthrate	int
contact	varchar(10)
gender	varchar(1)

## Source Code

#### **#Menu -- Passenger Details**

```
def passenger():
 while True:
  print('-----')
  print(' MENU-01 ')
  print(' PASSENGER DETAILS ')
  print('-----')
   print("1.ADD PASSENGER DETAILS")
   print("2.DISPLAY PASSENGER DETAILS")
   print("3.UPDATE PASSENGER DETAILS")
   print("4.DELETE PASSENGER DETAILS --> CANCEL BOOKING")
   print("5.EXIT")
  print('-----')
  ch=int(input("Enter your choice:"))
   if ch==1:
    adddata()
   elif ch==2:
    fetchdata()
   elif ch==3:
    updata()
   elif ch==4:
    deldata()
   elif ch==5:
```

```
print('Exiting')
      break
    else:
      print('Invalid choice')
def adddata():
  import mysql.connector
  while True:
    mydb=mysql.connector.connect(host="localhost",username="root",
                                  passwd="root",database="aircraft")
    mycursor=mydb.cursor()
    mycursor.execute("select * from passenger_details")
    myresult=mycursor.fetchall()
    aadhar=[]
    for i in myresult:
      aadhar.append(i[1])
    tot_seats=['A01','A02','A03','B01','B02','B03','C01','C02','C03','D01','D02',
    'D03','E01','E02','E03','F01','F02','F03','G01','G02','G03','H01','H02','H03']
    print('-----')
    print('Available seats:')
    print('-----')
    I=[]
    for i in myresult:
      l.append(i[0])
    l.sort()
    avail_seat=[]
```

```
for i in tot seats:
  if i not in I:
    avail_seat.append(i)
    print(i)
while True:
  sno=input('Enter passenger seat no.:')
  if sno not in avail_seat:
    print('Seat not available')
  else:
    break
while True:
  ano=input('Enter Aadhar no.:')
  if ano in aadhar:
    print('AADHAR NUMBER NOT ORIGINAL. KINDLY ENTER
                                  VALID AADHAR NUMBER.')
  else:
    break
fname=input('Enter first name:')
Iname=input('Enter last name:')
gender=input('Enter gender(M/F):')
contactno=int(input('Enter contact no.:'))
age=int(input('Enter age:'))
val="insert into passenger details values(%s,%s,%s,%s,%s,%s,%s,%s)"
mycursor.execute(val,(sno,ano,fname,lname,gender,contactno,age))
mydb.commit()
ch=input('Want to enter more data?(yes/no)')
```

```
if ch.lower()=='no':
      break
def fetchdata():
  import mysql.connector
  from prettytable import PrettyTable
  x=PrettyTable()
  mydb=mysql.connector.connect(host="localhost",username="root",
                               passwd="root",database="aircraft")
  mycursor=mydb.cursor()
 x.field_names=['SEAT NO','AADHAR NO','FIRST NAME',
           'LAST NAME', 'GENDER', 'CONTACT NO', 'AGE']
  while True:
    print("-----")
    print("ENTER 1 TO DISPLAY ALL RECORDS")
    print("ENTER 2 TO DISPLAY ONE PARTICULAR RECORD")
    ch=int(input("Enter your choice:"))
    if ch==1:
      passwd=input('Enter Password:')
      if passwd=='p4$$w0rd':
       mycursor.execute("select * from passenger_details")
        break
    elif ch==2:
      a=input("Enter Aadhar Number:")
      mycursor.execute("select* from passenger_details where
aadhar_no='%s' "%(a))
      break
  myresult=mycursor.fetchall()
```

```
for i in myresult:
    x.add row(i)
  print(x.get_string())
def updata():
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",username="root",
                                  passwd="root",database="aircraft")
  mycursor=mydb.cursor()
  mycursor.execute("select * from passenger_details")
  myresult=mycursor.fetchall()
 tot_seats=['A01','A02','A03','B01','B02','B03','C01','C02','C03','D01','D02',
      'D03','E01','E02','E03','F01','F02','F03','G01','G02','G03','H01','H02','H03']
  flag=0
  fname=input('Enter First Name:')
  Iname=input('Enter Last Name:')
  sno=input('Enter present seat no.:')
  for i in myresult:
    if i[0]==sno and i[2]==fname and i[3]==lname:
      flag=1
    else:
      continue
  if flag==0:
    print('Kindly check details provided. Passenger not found!')
  while flag==1:
    print('----')
```

```
print('Available seats:')
    print('-----')
    I=[]
    for i in myresult:
      l.append(i[0])
    l.sort()
    avail_seat=[]
    for i in tot_seats:
      if i not in I:
        avail_seat.append(i)
        print(i)
    new_seat=input('Enter new seat no:')
    if new seat not in avail seat:
      print('Invalid choice. Kindly choose another seat.')
    else:
      val="update passenger details set seat no='%s' where first name
            like '%s' and last_name like '%s'"%(new_seat,fname,lname)
      mycursor.execute(val)
      mydb.commit()
      print('Updation successful!')
      break
def deldata():
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",username="root",
                                  passwd="root",database="aircraft")
  mycursor=mydb.cursor()
```

```
mycursor.execute("select * from passenger details")
myresult=mycursor.fetchall()
fname=input('Enter First Name:')
Iname=input('Enter Last Name:')
ano=input('Enter Aadhar No.:')
flag=0
for i in myresult:
  if i[1]==ano and i[2]==fname and i[3]==Iname:
    flag=1
  else:
    continue
if flag==1:
  mycursor.execute("delete from passenger_details where aadhar_no=
     '%s' and first_name='%s' and last_name='%s' "%(ano,fname,lname))
  mydb.commit()
  print('Booking cancelled. Record deleted.')
elif flag==0:
  print('Passenger not found!')
```

#### # Menu -- Pilot Details

```
def pilot():
 while True:
   print('-----')
   print(" MENU-02
   print('-----')
   print(" PILOT DETAILS ")
   print('-----')
   print("1.ADD PILOT DETAILS")
   print("2.DISPLAY PILOT DETAILS")
   print("3.UPDATE PILOT DETAILS")
   print("4.DELETE PILOT DETAILS")
   print("5.EXIT")
   choice=int(input("Enter your choice:- "))
   if choice==1:
    add_pilot_details()
   elif choice==2:
    display_pilot_details()
   elif choice==3:
    update_pilot_details()
   elif choice==4:
    delete details()
   elif choice==5:
    break
   else:
    print("Invalid choice")
```

```
def add pilot details():
  import mysql.connector
  while True:
    mydb=mysql.connector.connect(host="localhost",user="root",
                              password="root",database="aircraft")
    mycursor=mydb.cursor()
    mycursor.execute("select*from pilot_details")
    myresult=mycursor.fetchall()
    I=[]
    for i in myresult:
      l.append(int(i[0]))
    while True:
      pilot id=int(input("Enter ID:-"))
      if pilot_id in I:
        print("THE ID YOU HAVE ENTERED ALREADY EXISTS! PLEASE ENTER
                                                            A VALID ONE.")
      else:
        break
    name=input("Enter Name:-")
    gender=input("Enter Gender:- ")
    age=int(input("Enter Age:- "))
    contact_details=input("Enter Contact Number:- ")
    qualification=input("Enter Qualification:-")
    working_experience=int(input("Enter Experience :no.of flying hours:- "))
    health status=int(input("Enter your current health status( Rate out of
                                                              5 points):- "))
```

```
print(")
    print('NOTE: PREFERRED AIRCRAFTS:- Airbus A220, Airbus A350,
                                     Boeing 787, Boeing 747-8')
    aircraft kind=input("Enter Experience :aircraft kind:-")
    s="insert into pilot details values(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)"
    d=(pilot id,name,gender,age,contact details,qualification,
                  working_experience,health_status,aircraft_kind)
    mycursor.execute(s,d)
    mydb.commit()
    print("Details added successfully")
   c=input("Want to enter more data?(yes/no):- ")
    if c.lower()=='no':
      break
def display_pilot_details():
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",user="root",
                              passwd="root",database="aircraft")
  mycursor=mydb.cursor()
 from prettytable import PrettyTable
 x=PrettyTable()
 x.field_names = ["PILOT ID","NAME","GENDER","AGE",
      "CONTACT DETAILS", "QUALIFICATION", "WORKING EXPERIENCE",
                    "HEALTH STATUS", "EXPERIENCE: AIRCRAFT KIND"]
 while True:
    print("-----")
    print("ENTER 1 TO DISPLAY ALL RECORDS")
```

```
print("ENTER 2 TO DISPLAY ONE PARTICULAR RECORD")
    ch=int(input("Enter your choice:"))
    if ch==1:
      passwd=input('Enter Password:')
      if passwd=='p4$$w0rd':
        mycursor.execute("select*from pilot details")
        break
    elif ch==2:
      a=int(input("Enter ID:"))
      mycursor.execute("select* from pilot_details where pilot_id='%s' "%(a))
      break
  myresult=mycursor.fetchall()
  for i in myresult:
    x.add_row(i)
  print(x.get_string())
def update_pilot_details():
  print("field names:[pilot_id,name,gender,age,contact_details,qualification,
                          working_experience,health_status,aircraft_kind]")
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",user="root",
                                     password="root",database="aircraft")
  mycursor=mydb.cursor()
  while True:
    mycursor.execute("select*from pilot_details")
    myresult=mycursor.fetchall()
```

```
I=[]
    for i in myresult:
      l.append(int(i[0]))
    while True:
        b=int(input("Enter ID:- "))
        if b not in I:
           print("THE ID YOU HAVE ENTERED DOESN'T EXIST! PLEASE ENTER
                                                             A VALID ONE")
        else:
           break
    print("Kindly enter the value to be update as:
                                           <field name>=<updated value>")
    a=input("Enter the value to be updated:-")
    s="update pilot_details set %s where pilot_id=%s" %(a,b)
    mycursor.execute(s)
    mydb.commit()
    print("Details updated successfully")
    c=input("Want to update more data?(yes/no):-")
    if c.lower()=='no':
      break
def delete_details():
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",user="root",
                                       password="root",database="aircraft")
  mycursor=mydb.cursor()
```

```
while True:
  mycursor.execute("select*from pilot_details")
  myresult=mycursor.fetchall()
  I=[]
  for i in myresult:
    l.append(int(i[0]))
  while True:
    b=int(input("Enter ID:-"))
    if b not in I:
      print("THE ID YOU HAVE ENTERED DOESN'T EXIST! PLEASE ENTER
                                                         A VALID ONE")
    else:
      break
  s="delete from pilot_details where pilot_id=%s" %(b)
  mycursor.execute(s)
  mydb.commit()
  print("Record deleted successfully")
  c=input("Want to delete more data?(yes/no)?:- ")
  if c.lower()=='no':
    break
```

#### **#Menu -- Crew Member Details**

```
def aircrew():
 while True:
  print('-----')
  print(" MENU-03
                   ")
  print('-----')
  print(" CREW MEMBER DETAILS ")
  print('-----')
  print(" 1. ADD DETAILS OF CREW MEMBERS")
  print(" 2. DISPLAY CREW MEMBERS ")
  print(" 3. UPDATE DETAILS OF CREW MEMBERS")
   print(" 4. DELETE DETAILS OF CREW MEMBERS")
  print(" 5. EXIT
  print("----")
  ch=int(input("Enter your choice:"))
  if ch==1:
    print("
    insert()
  elif ch==2:
    print("
             ")
    display()
  elif ch==3:
    update()
    print("_____x___")
  elif ch==4:
    delete()
```

```
elif ch==5:
      break
    else:
      print("Invalid choice")
def insert():
    import mysql.connector
    mydb=mysql.connector.connect(host="localhost",user="root",
                                       passwd="root",database="aircraft")
    mycursor=mydb.cursor()
    ans='yes'
    while ans=='yes':
      mycursor.execute("select*from crewmember_details")
      myresult=mycursor.fetchall()
      q=[]
      for i in myresult:
        q.append(int(i[0]))
      while True:
        ID=int(input("Enter Crew Member's ID:"))
        if ID in q:
          print("THE ID YOU HAVE ENTERED ALREADY EXISTS! PLEASE
                                                     ENTER A VALID ID")
        else:
           break
      name=input("Enter Crew Member's Name:")
      qualification=input("Highlight Qualifications (Highest one only):")
      travelhours=int(input("Enter no.of hours of flight experience:"))
```

```
age=int(input("Enter age(in years):"))
      healthrate=int(input("Enter current health status (rate out of
                                                     5 points):"))
      exp=int(input("Enter working experience (in years):"))
      contact=input("Enter contact number:")
      gender=input("Enter gender:")
      s="insert into crewmember_details values
                                 (%s,%s,%s,%s,%s,%s,%s,%s,%s)"
      v=(ID,name,age,qualification,exp,travelhours,healthrate,contact,gender)
      mycursor.execute(s,v)
      mydb.commit()
      print("Details added successfully")
      print("
      ans=input("Want to enter more data?(yes/no):")
def display():
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",user="root",
                                  passwd="root",database="aircraft")
  mycursor=mydb.cursor()
 from prettytable import PrettyTable
 x=PrettyTable()
 x.field_names =["ID","CREW MEMBER'S NAME", "AGE",
          "QUALIFICATION", "EXPERIENCE", "HOURS OF AIR TRAVEL",
          "HEALTH RATE", "CONTACT NO.", "GENDER"]
  while True:
    print("-----")
```

```
print("ENTER 1 TO DISPLAY ALL RECORDS")
    print("ENTER 2 TO DISPLAY ONE PARTICULAR RECORD")
    ch=int(input("Enter your choice:"))
    if ch==1:
      passwd=input('Enter Password:')
      if passwd=='p4$$w0rd':
        mycursor.execute("select*from crewmember_details")
        break
    elif ch==2:
      a=int(input("Enter ID:"))
      mycursor.execute("select* from crewmember_details where
                                                   ID='%s' "%(a))
      break
  myresult=mycursor.fetchall()
  |=[]
  for i in myresult:
    x.add_row(i)
  print(x.get_string())
def update():
  print("field names:
       [ID,name,age,qualification,exp,travelhours,healthrate,contact,gender]")
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",user="root",
                                         passwd="root",database="aircraft")
  mycursor=mydb.cursor()
```

```
mycursor.execute("select*from crewmember details")
  myres=mycursor.fetchall()
  l=[]
  for i in myres:
    l.append(i[0])
  ans='yes'
  while ans=='yes':
    while True:
       parg=input("Enter ID of the member:")
       if parg in str(l):
         break
       else:
         print("ID you have entered doesn't exist! please enter a valid ID")
    print("Kindly enter the value to be update as:
                                        <field name>=<updated value>")
    uarg=input("Enter update argument:")
    s="update crewmember_details set %s where ID=%s"%(uarg,parg)
     mycursor.execute(s)
     mydb.commit()
    print("Record updated succesfully")
    ans=input("Want to update more data?(yes/no):")
def delete():
  import mysql.connector
  mydb=mysql.connector.connect(host="localhost",user="root",
                                    passwd="root",database="aircraft")
  mycursor=mydb.cursor()
```

```
mycursor.execute("select*from crewmember_details")
myres=mycursor.fetchall()
I=[]
for i in myres:
  l.append(i[0])
ans='yes'
while ans=='yes':
  while True:
    a=input("Enter the ID of the member to delete:")
    if a in str(l):
      s="delete from crewmember_details where ID=%s" %(a)
      mycursor.execute(s)
      mydb.commit()
      print("Record deleted successfully")
      break
    else:
      print("The ID you have entered doesn't exist! please enter a valid ID:")
  ans=input("Want to delete more records?(yes/no)")
```

#### # Flight Summary

```
def flight_summary():
 f=open('Flight details.txt','w')
 print('-----')
 f.write('-----')
 print('FLIGHT SUMMARY')
 f.write('FLIGHT SUMMARY')
 f.write('-----'+'\n')
 print('-----')
 import random
 import mysql.connector
 mydb=mysql.connector.connect(host='localhost',username='root',
                              passwd='root',database='aircraft')
 mycursor=mydb.cursor()
 mycursor.execute('select count(*) from passenger details')
 pass_count=(mycursor.fetchone()[0])
 print('No.of passengers:',pass_count)
 s='No.of Passengers:'+str(pass count)+'\n'
 f.write(s)
#flight selection
 if pass_count<=9:
   craft='Airbus A220'
   print('Aircraft: Airbus A220')
   f.write('Aircraft: Airbus A220'+'\n')
 elif pass count>9 and pass count<=15:
   craft='Boeing 787'
```

```
print('Aircraft: Boeing 787')
 f.write('Aircraft: Boeing 787'+'\n')
elif pass_count>15 and pass_count<=21:
 craft='Airbus A350'
 print('Aircraft: Airbus A350')
 f.write('Aircraft: Airbus A350'+'\n')
elif pass_count>21 and pass_count<=60:
 craft='Boeing 747-8'
 print('Aircraft: Boeing 747-8')
 f.write('Aircraft: Boeing 747-8'+'\n')
f.write('-----'+'\n')
print('-----')
print('Kindly use 24-hr clock system to input time(eg."23.00")')
dept_time=float(input('Enter departure time:'))
f.write('Departure Time:'+str(dept_time)+'\n')
arr time=float(input('Enter arrival time:'))
f.write('Arrival Time:'+str(arr_time)+'\n')
f.write('-----'+'\n')
print('-----')
origin=input('Enter origin:')
f.write('Origin:'+origin+'\n')
dest=input('Enter destination:')
f.write('Destination:'+dest+'\n')
f.write('-----'+'\n')
print('-----')
```

#### **#Pilot Selection**

```
craft="aircraft kind like "+""+craft+""
s="select pilot id from pilot details where health status>3 and "+craft
mycursor.execute(s)
pilot_id=mycursor.fetchall()
pilot1=[]
for i in pilot_id:
  mycursor.execute('select*from pilot details where pilot id = %s'%i[0])
  p=mycursor.fetchone()
  pilot1.append(p)
pilot=[]
for j in pilot1:
  if (dept_time>18.00 or dept_time<6.00) and arr_time<06.00:
    if j[3]<50:
      pilot.append(j)
  else:
      pilot.append(j)
from prettytable import PrettyTable
x=PrettyTable()
x.field_names=['PILOT ID','NAME','GENDER','AGE',
    'CONTACT NUMBER', 'QUALIFICATION', 'NO. OF FLYING HOURS',
                   'HEALTH STATUS', 'EXPERIENCE: AIRCRAFT KIND']
print(' ')
print('THE ASSIGNED PILOTS ARE:')
f.write('THE ASSIGNED PILOTS ARE:'+'\n')
p1=random.choice(pilot)
```

```
x.add row(p1)
 f.write(str(p1)+'\n')
 while True:
    p2=random.choice(pilot)
   if p2!=p1:
     x.add_row(p2)
     f.write(str(p2)+'\n')
     break
 print(x)
 print(' ')
 f.write('-----'+'\n')
#Crew Members Selection
  mycursor.execute("select * from crewmember_details where age<30
                                  and healthrate>3 and travelhours>12")
 cm=mycursor.fetchall()
#no of flight attendants
 y=PrettyTable()
 y.field_names=['ID','NAME','AGE','QUALIFICATION','EXPERIENCE',
            'TRAVEL HOURS','HEALTH STATUS','CONTACT NO.','GENDER']
 print("THE ASSIGNED ATTENDANTS ARE:")
 f.write("THE ASSIGNED ATTENDANTS ARE:"+'\n')
 if pass_count<9:
   a=random.sample(cm,k=3)
   for i in a:
     y.add_row(i)
```

```
f.write(str(i)+'\n')
elif 9<pass_count<15:
  a1=random.sample(cm,k=8)
  for i in a1:
   y.add_row(i)
   f.write(str(i)+'\n')
elif 15<pass_count<21:
  a2=random.sample(cm,k=13)
  for i in a2:
   y.add_row(i)
   f.write(str(i)+'\n')
elif 21<pass_count<60:
  a3=random.sample(cm,k=25)
  for i in a3:
   y.add_row(i)
   f.write(str(i)+'\n')
print(y)
f.write('-----'+'\n')
f.close()
```

#### **#Main Menu**

```
while True:
 print('-----')
 print(" MAIN MENU ")
 print('-----')
 print("1. PASSENGER_DETAILS")
 print("2. PILOT_DETAILS ")
 print("3. CREW MEMBER_DETAILS")
 print("4. FLIGHT SUMMARY")
 print("5. EXIT
 choice=int(input("Enter your choice:"))
 if choice==1:
   passenger()
 elif choice==2:
   pilot()
 elif choice==3:
   aircrew()
 elif choice==4:
   passwd=input('Enter Password:')
   if passwd=='p4$$w0rd':
     flight_summary()
 elif choice==5:
   break
 else:
   print("Invalid choice")
```

# **OUTPUT**

## Main menu:

```
MAIN MENU
1. PASSENGER DETAILS
2. PILOT_DETAILS
3. CREW MEMBER DETAILS
4. FLIGHT SUMMARY
5. EXIT
Enter your choice:1
       PASSENGER DETAILS
1.ADD PASSENGER DETAILS
2.DISPLAY PASSENGER DETAILS
3.UPDATE PASSENGER DETAILS
4.DELETE PASSENGER DETAILS --> CANCEL BOOKING
5.EXIT
Enter your choice:5
Exiting
 MAIN MENU
1. PASSENGER DETAILS
2. PILOT DETAILS
3. CREW MEMBER DETAILS
4. FLIGHT SUMMARY
5. EXIT
Enter your choice:5
```

Adding passenger details:

```
MENU-01
         PASSENGER DETAILS
1.ADD PASSENGER DETAILS
2.DISPLAY PASSENGER DETAILS
3.UPDATE PASSENGER DETAILS
4.DELETE PASSENGER DETAILS --> CANCEL BOOKING
Enter your choice:1
Available seats:
A01
A02
A03
B01
B02
B03
C01
C02
C03
D01
D02
D03
E01
E02
E03
F01
F02
F03
G01
G02
G03
H01
H02
H03
Enter passenger seat no.:A01
Enter Aadhar no.:2342 5672 8979
Enter first name:John
Enter last name:Michael
Enter passenger seat no.:A01
Enter Aadhar no.:2342 5672 8979
Enter first name:John
Enter last name:Michael
Enter gender (M/F):M
Enter contact no.:9789039987
Enter age:27
Want to enter more data? (yes/no) no
          MENU-01
        PASSENGER DETAILS
1.ADD PASSENGER DETAILS
2.DISPLAY PASSENGER DETAILS
3.UPDATE PASSENGER DETAILS
4.DELETE PASSENGER DETAILS --> CANCEL BOOKING
5.EXIT
Enter your choice:5
Exiting
   MAIN MENU
1. PASSENGER DETAILS
2. PILOT DETAILS
3. CREW MEMBER DETAILS
4. FLIGHT SUMMARY
5. EXIT
Enter your choice:
```

## Displaying pilot details:

Enter your	choice:2					
MENU	-02					
PILOT	DETAILS					
3.UPDATE PI 4.DELETE PI 5.EXIT Enter your 	ILOT DETAILS LOT DETAILS LOT DETAILS choice:- 2 DISPLAY ALL RE DISPLAY ONE PA	RTICULAR				
PILOT ID	NAME	GENDER	AGE		QUALIFICATION	HEALTH STATU
	+   sree varsha   john	F	26	7890865789	bachelors in aeronautics   bachelors in aviation	5   5

ļ	PILOT ID	NAME	GENDER	AGE	CONTACT DETAILS	QUALIFICATION	WORKING	EXPERIENCE	HEALTH STATUS	EXPERIENCE:AIRCRAFT KIND
1	1	sree varsha	F	26	7890865789	bachelors in aeronautics	 	26	5	Airbus A220
	2	john	M	34	8754984976	bachelors in aviation		28	5	Boeing 787
ı	3	sneha S	F	29	9360898767	bachelors in aeronautics		27	5	Airbus A220
ı	4	Radhika S	F	31	9876567465	bachelors in chemistry		30	5	Airbus A220
h	5	vinodh	M	25	9150098987	bachelors in maths		26	4	Boeing 787
l	6	ram	M	38	8768987896	bachelors in aviation		25	5	Airbus A350
i	7	krishna	M	31	7898098567	bachelors in aviation		29	4	Airbus A350
+		+	<del> </del>	+	+	<del> </del>	+		<del> </del>	<del> </del>
-										

# Updating and deleting crew member details:

MENU-03 CREW MEMBER DETAILS 1. ADD DETAILS OF CREW MEMBERS 2. DISPLAY CREW MEMBERS 3. UPDATE DETAILS OF CREW MEMBERS 4. DELETE DETAILS OF CREW MEMBERS Enter your choice:3 field names: [ID, name, age, qualification, exp, travelhours, healthrate, contact, gender] Enter ID of the member:2 Kindly enter the value to be update as: <field name>=<updated value> Enter update argument:age=24 Record updated successfully Want to update more data?(yes/no):no MENU-03 CREW MEMBER DETAILS 1. ADD DETAILS OF CREW MEMBERS 2. DISPLAY CREW MEMBERS 3. UPDATE DETAILS OF CREW MEMBERS 4. DELETE DETAILS OF CREW MEMBERS 5. EXIT Enter your choice:4 Enter the ID of the member to delete:11 Record deleted successfully Want to delete more records? (yes/no) no

ID	CREW MEMBER'S NAME	AGE		EXPERIENCE	HOURS OF AIR TRAVEL	•		GENDER
1		28		2	15	5	8754984978	F
2	rekha	24		2	18	5	9456785909	F
3	Sneha S	24	diploma in management	5	20	5	9360876987	F
4	michael	27	bachelors degree in civil aviation	3	16	5	9789034567	M
5	vikram	30	aeronautical engineering	4	26	5	7897867987	M
6	anish	32	bachelors in maths	6	26	5	8798098089	M
7	divya menon	24	PG aircrew	2	14	4	9789039947	F
8	VARUN	21	bachelors degree in civil aviation	0	16	4	9360954938	M
9	shalini	25	PG airhostess	2	21	4	9876789678	F
10	Das	31	aeronautical engineering	7	28	4	8987098789	M

# Flight summary:

		choice:4 ord:p4\$\$w	0rd										
FLIGH	SUMMA	ARY											
		ngers: 13 Deing 787											
Enter	depart	24-hr clo ture time al time:2	21.00		put time(eg."23.0	0")							
		n:chennai nation:de											
THE AS	SSIGNEI	PILOTS	ARE:	+	<b></b>	<b>+</b>		+			-+		
PILO	T ID T	NAME	GENI	ER   AGE	CONTACT NUMBER	QUAL	IFICATION	NO. OF FLYIN	G HOURS   HEAI	HEALTH STATUS		EXPERIENCE: AIRCRAFT KIND	
	 δ   2	vinodh   john	M   M	25			ors in maths s in aviation	26		4 5		Boeing 787 Boeing 787	
THE AS	SSIGNEI	ATTENDA	ANTS AF	E:		<del> </del>		1			-+		
   ID	 	+ NAME	AGE		QUALIFICATION		++   EXPERIENCE	TRAVEL HOURS	+   HEALTH STATU	S   CONTA	CT NO.	+   GENDER	<del> </del> 
3	   Sne	+ eha S	24	di	oloma in manageme	 nt	<del>  </del>   5	20	+   5	9360	876987	+   F	<del> </del> 
	l mic	chael			s degree in civil		3 1	16	5	9789	034567	M	
4	IIIT									4   98767		l F	ı
4 9		alini	25		PG airhostess		2	21	4	3070	103010	1 1	
9 1	sha	alini   pa nair	28		pg aircrew		. 2 !	15	4   5		984978	F	
9 1 8	sha deep	pa nair   VARUN	28	bachelor	pg aircrew s degree in civil		2     0	15 16	5   4	8754   9360	984978 954938	-	   
9 1 8 11	sha deep V	pa nair   VARUN   ahul	28   21   26	bachelor: dij	pg aircrew s degree in civil ploma in manageme		2     0     3	15 16 16	5   4   5	8754   9360   9890	984978 954938 876899	F	     
	sha   deep   \   ra   divya	pa nair   VARUN	28	bachelor di	pg aircrew s degree in civil		2     0	15 16	5   4	8754   9360   9890   9789	984978 954938	F   M   M	 

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