**A Project Report on**

**‘FLIGHT RESERVATION SYSTEM’**



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**CERTIFICATE**

This is to certify that **SOURIN MAJUMDAR** of Class XII-C bearing roll number 16616212 has prepared the report on the project entitled “**FLIGHT RESERVATION SYSTEM**”. The report is the result of his efforts and endeavours. The report is found worthy of acceptance as final report for the subject Computer Science of Class XII. He has prepared the report under my guidance.

**(SIGNATURE OF EXAMINER) (Mr. K. L. Meena)**

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**(Mr. Raju Kr. Das)**

**Principal,**

Kendriya Vidyalaya NFR Maligaon,

Guwahati-11.

**DECLARATION**

**I hereby declare that the project work entitled “FLIGHT RESERVATION SYSTEM”, submitted to the Department of Computer Science, Kendriya Vidyalaya NFR Maligaon, Guwahati, is prepared by me. The entire coding is a result of my personal efforts.**

**SOURIN MAJUMDAR**

**Class XII-C**

**Roll: 16616212**

**ACKNOWLEDGEMENT**

**I would like to express a deep sense of thanks and gratitude to my project guide Mr. K. L. Meena Sir for guiding me immensely through the entire course of the project. He has always evinced keen interest on my work. His constructive advice and constant motivation have been responsible for the successful completion of this project.**

**My sincere thanks to Shri Raju Kr. Das, our Principal Sir, for his coordination in extending every possible support for the completion of this project.**

**I also thank my parents for their motivation and support. I must thank my classmates for their help in bringing forth the coding in this project.**

**Last but not the least; I would like to thank all those who have directly or indirectly helped me in the creation of this project.**

**SOURIN MAJUMDAR**

**Class XII-C**

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**PROJECT OUTLINE**

**This project has been created to present it as a simple illustrative of the humongous programs and coding which are used in reality in maintaining busy and huge airports which gives way to lakhs and thousands of passengers and hundreds of flights every day. Keeping everything right in such places is a difficult job and to handle the same every day, a very advanced level of management system is required to meet the requirements of that place. Starting from the security to time management, air traffic control to the booking system; all such aspects in their finest levels make such a station an ideal for place for people to start their journeys.**

**So, this project is a snippet of the flight booking and reservation system that is executed moment to moment in such places for the people to get their journeys started, and so it is named -**

**“FLIGHT RESERVATION SYSTEM”**

**1**

**ABOUT THE FUNCTIONS**

**mainmenu():**

**It displays the main menu from where all other functions can be accessed.**

**adminmenu():**

**It enables the admin to do various jobs in the flight records. A new record can be created, an existing record can be modified or deleted, and all records can be displayed. Different other functions have been created for the above jobs.**

**usermenu():**

**It enables the passenger to create his/her record in the airport database, delete or modify it, search for desired flights (by giving source or destination place name, by giving the particular flight number or by just giving the airline name), book and cancel flights. Different other functions have been created to perform the above tasks.**

**display\_in\_mod\_and\_del1():**

**This function has been created to display the whole flight record in a presentable way when the admin wishes to delete or modify any record by choosing one from them.**

**display\_in\_mod\_and\_del2():**

**This function has been created to display the whole passenger record in a presentable way when a passenger wishes to delete or modify his/her record by choosing one from them.**

**fl\_disp\_in\_booking():**

**This function is called while booking a flight. It asks for the source and destination place name and displays available flights travelling in the given route. The passenger has to choose one from them to proceed in their flight booking.**

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**CODING:**

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*#Creating the database***import** mysql.connector **as** mc  
mydb = mc.connect(host=**"localhost"**,user=**"root"**,password=**"sourin"**)  
mycursor = mydb.cursor()  
mycursor.execute(**"create database if not exists sourin2"**)  
mycursor.execute(**"use sourin2"**)  
  
*#Creating the required tables*mycursor.execute(**"create table if not exists flight(fl\_no varchar(10) primary key, fl\_name varchar(15), source varchar(20), destination varchar(20),tod varchar(10), toa varchar(10), fare decimal(6))"**)  
mycursor.execute(**"create table passenger (p\_id varchar(30), p\_name varchar(30), address varchar(50), phone varchar(12), fl\_no varchar(10), pnr varchar(11))"**)  
mycursor.execute(**"create table booking(fl\_no varchar(10), fl\_name varchar(15), source varchar(20), destination varchar(20),tod varchar(10), toa varchar(10),p\_name varchar(30), address varchar(50), phone varchar(12),nop varchar(5),fare decimal(10))"**)  
  
**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**def** mainmenu():  
 c = **'y'  
 while** c == **'y'**:  
 print(**"MAIN MENU"**)  
 print(**"1. Admin"**)  
 print(**"2. User"**)  
 print(**"3. Exit"**)  
 x = input(**"Enter your choice: "**)  
 print(**""**)  
 **if** x == **'1'**:  
 adminmenu()  
 **elif** x == **'2'**:  
 usermenu()  
 **elif** x == **'3'**:  
 exit(0)  
 **else**:  
 print(**"Invalid choice."**)  
 print(**""**)  
 c = input(**"Do you wish to continue? - yes / no : "**)  
 print(**""**)  
 **if** c == **'yes'**:  
 mainmenu()  
 **else**:  
 exit(0)

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**def** adminmenu():  
 c = **'y'  
 while** c == **'y'**:  
 print(**"ADMIN MENU"**)  
 print(**"1. Create a flight record"**)  
 print(**"2. Display flight records"**)  
 print(**"3. Update a record"**)  
 print(**"4. Delete a record"**)  
 print(**"5. Back to main menu."**)  
 x = input(**"Enter your choice: "**)

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print(**""**)  
 **if** x == **'1'**:  
 create\_flight\_record()  
 **elif** x == **'2'**:  
 display\_flight\_record()  
 **elif** x == **'3'**:  
 update\_flight\_record()  
 **elif** x == **'4'**:  
 delete\_flight\_record()  
 **elif** x == **'5'**:  
 mainmenu()  
 **else**:  
 print(**"Invalid input"**)  
 print(**""**)  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 adminmenu()

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**def** usermenu():  
 c = **'y'  
 while** c == **'y'**:  
 print(**"USER MENU"**)  
 print(**"1. Create a passenger record"**)  
 print(**"2. Delete a record"**)  
 print(**"3. Update a record"**)  
 print(**"4. Search"**)  
 print(**"5. Booking"**)  
 print(**"6. Cancellation"**)  
 print(**"7. Back to main menu."**)  
 x = input(**"Enter your choice: "**)  
 print(**""**)  
 **if** x == **'1'**:  
 create\_passenger\_record()  
 **elif** x == **'2'**:  
 delete\_passenger\_record()  
 **elif** x == **'3'**:  
 update\_passenger\_record()  
 **elif** x == **'4'**:  
 search()  
 **elif** x == **'5'**:  
 Booking()  
 **elif** x == **'6'**:  
 Cancellation()  
 **elif** x == **'7'**:  
 mainmenu()  
 **else**:  
 print(**"Invalid input !"**)  
 print(**""**)  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 usermenu()

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**def** create\_flight\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**,password=**"sourin"**,database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 fl\_no = input(**"Enter flight number : "**)  
 fl\_name = input(**"Enter airline name : "**)  
 source = input(**"Flight taking off from : "**)  
 destination = input(**"Flight going to : "**)  
 tod = input(**"Time of departure : "**)  
 toa = input(**"Time of arrival : "**)  
 fare = input(**"Flight fare: : "**)  
 print(**""**)  
 sql = **"insert into flight (fl\_no,fl\_name,source,destination,tod,toa,fare) values(%s,%s,%s,%s,%s,%s,%s)"** val = (fl\_no,fl\_name,source,destination,tod,toa,fare)  
 mycursor.execute(sql,val)  
 mydb.commit()  
 print(**"----------------------------------"**)  
 print(**"FLIGHT RECORD CREATED SUCCESSFULLY ! "**)  
 print(**"----------------------------------"**)  
 print(**""**)  
 input(**"Press ENTER to continue..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** update\_flight\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**,password=**"sourin"**,database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 print(**"Flight Data Modification -"**)  
 print(**"^^^^^^^^^^^^^^^^^^^^^^^^^^"**)  
 display\_in\_mod\_and\_del1()  
 FN = input(**"Enter the flight number of the row you want to modify: "**)  
 print(**''**)  
 print(**"Your selected row :"**)  
 sql = **"select \* from flight where fl\_no=(%s)"** val = [(FN)]  
 mycursor.execute(sql, val)  
 result = mycursor.fetchall()  
 **for** x **in** result:  
 print(x)  
 print(**''**)  
 c = input(**"Are you sure you want to modify this record? - yes / no : "**)  
 print(**""**)  
 **if** c == **'yes'**:  
 fl\_no = input(**"Enter flight number : "**)  
 fl\_name = input(**"Enter airline name : "**)  
 source = input(**"Flight taking off from : "**)  
 destination = input(**"Flight going to : "**)  
 tod = input(**"Time of departure : "**)  
 toa = input(**"Time of arrival : "**)  
 fare = input(**"Flight fare: : "**)  
 print(**""**)  
 sql = **"update flight set fl\_no=(%s), fl\_name=(%s),source=(%s),destination=(%s),tod=(%s),toa=(%s),fare=(%s) where fl\_no=(%s)"**

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val = (fl\_no,fl\_name,source,destination,tod,toa,fare,FN)  
 mycursor.execute(sql,val)  
 mydb.commit()  
 print(**"------------------------------------"**)  
 print(**"FLIGHT RECORD UPDATED SUCCESSFULLY !"**)  
 print(**"------------------------------------"**)  
 print(**""**)  
 input(**"Press ENTER to continue"**)  
 print(**""**)  
 **elif** c == **'no'**:  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 **else**:  
 print(**"Invalid input."**)  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

*----------------------------------------------------------------------------------------------*

**def** display\_flight\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**,password=**"sourin"**,database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 mycursor.execute(**"Select \* from flight"**)  
 result = mycursor.fetchall()  
 l = len(result)  
 **if** l>0:  
 print(**""**)  
 print(**"Flight Records"**)  
 print(**"--------------"**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 **else**:  
 print(**"No records."**)  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** display\_in\_mod\_and\_del1():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 mycursor.execute(**"Select \* from flight"**)  
 result = mycursor.fetchall()  
 l = len(result)  
 **if** l > 0:  
 print(**""**)

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print(**"Flight Records present in database"**)

print(**"----------------------------------"**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** delete\_flight\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**,password=**"sourin"**,database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 display\_in\_mod\_and\_del1()  
 fl\_no = input(**"Enter flight number of the row you want to delete : "**)  
 print(**''**)  
 print(**"Your selected row :"**)  
 sql = **"select \* from flight where fl\_no=(%s)"** val = [(fl\_no)]  
 mycursor.execute(sql, val)  
 result = mycursor.fetchall()  
 **for** x **in** result:  
 print(x)  
 print(**''**)  
 c = input(**"Are you sure you want to delete this record ? - yes / no : "**)  
 print(**""**)  
 sql = **"delete from flight where fl\_no=(%s)"** delete = [(fl\_no)]  
 **if** c==**'yes'**:  
 mycursor.execute(sql,delete)  
 mydb.commit()  
 print(**"------------------------------------"**)  
 print(**"FLIGHT RECORD DELETED SUCCESSFULLY !"**)  
 print(**"------------------------------------"**)  
 print(**""**)  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 **else**:  
 print(**"Flight record not deleted."**)  
 print(**""**)  
 input(**"Press ENTER to go back to admin menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** create\_passenger\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**,password=**"sourin"**,database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 p\_id = input(**"Enter the passenger ID (Aadhar no. / PAN / Passport no. / Driving license no. / Voter id no.): "**)

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p\_name = input(**"Enter passenger's name : "**)  
 address = input(**"Residential address of passenger : "**)  
 phone = input(**"Passenger phone number : "**)  
 fl\_no = input(**"Passenger's flight number : "**)  
 pnr = input(**"Passenger's PNR number : "**)  
 print(**""**)  
 sql = **"insert into passenger (p\_id,p\_name,address,phone,fl\_no,pnr) values(%s,%s,%s,%s,%s,%s)"** val = (p\_id,p\_name,address,phone,fl\_no,pnr)  
 mycursor.execute(sql,val)  
 mydb.commit()  
 print(**"---------------------------------------"**)  
 print(**"PASSENGER RECORD CREATED SUCCESSFULLY !"**)  
 print(**"---------------------------------------"**)  
 print(**""**)  
 input(**"Press ENTER to continue..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** delete\_passenger\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 display\_in\_mod\_and\_del2()  
 p\_id = input(**"Enter passenger id of the row you want to delete : "**)  
 print(**""**)  
 print(**"Yor selected row :"**)  
 sql = **"select \* from passenger where p\_id=(%s)"** val = [(p\_id)]  
 mycursor.execute(sql, val)  
 result = mycursor.fetchall()  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 c = input(**"Are you sure you want to delete this record ? - yes / no : "**)  
 print(**""**)  
 sql = **"delete from passenger where p\_id=(%s)"** delete = [(p\_id)]  
 **if** c == **'yes'**:  
 mycursor.execute(sql, delete)  
 mydb.commit()  
 print(**"---------------------------------------"**)  
 print(**"PASSENGER RECORD DELETED SUCCESSFULLY !"**)  
 print(**"---------------------------------------"**)  
 print(**""**)  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 **else**:  
 print(**"Flight record not deleted."**)  
 print(**""**)  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** update\_passenger\_record():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**,password=**"sourin"**,database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 print(**"Passenger Record Modification"**)  
 print(**"^^^^^^^^^^^^^^^^^^^^^^^^^^^^^"**)  
 print(**""**)  
 display\_in\_mod\_and\_del2()  
 print(**""**)  
 PID = input(**"Enter the Passenger ID of the row you want to modify: "**)  
 print(**""**)  
 print(**"Your selected row : "**)  
 sql = **"select \* from passenger where p\_id=(%s)"** val = [(PID)]  
 mycursor.execute(sql, val)  
 result = mycursor.fetchall()  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 c = input(**"Are you sure you want to modify this record? - yes / no : "**)  
 print(**""**)  
 **if** c == **'yes'**:  
 p\_id=input(**"Enter the passenger ID (Aadhar No. / PAN / Passport no. / Driving license no. / Voter id no.): "**)  
 p\_name = input(**"Enter passenger name : "**)  
 address = input(**"Residential addresss of passenger : "**)  
 phone = input(**"Passenger phone number : "**)  
 fl\_no = input(**"Passenger's flight number : "**)  
 pnr = input(**"Passenger's PNR number : "**)  
 sql=**"update passenger set p\_id=(%s), p\_name=(%s), address=(%s), phone=(%s), fl\_no=(%s),pnr=(%s) where p\_id=(%s)"** val = (p\_id,p\_name,address,phone,fl\_no,pnr,PID)  
 mycursor.execute(sql,val)  
 mydb.commit()  
 print(**""**)  
 print(**"---------------------------------------"**)  
 print(**"PASSENGER RECORD UPDATED SUCCESSFULLY !"**)  
 print(**"---------------------------------------"**)  
 print(**""**)  
 input(**"Press ENTER to continue..."**)  
 print(**""**)  
 **elif** c == **'no'**:  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 **else**:  
 print(**"Invalid input."**)  
 input(**"Press ENTER to continue..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** display\_in\_mod\_and\_del2():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 mycursor.execute(**"Select \* from passenger"**)

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result = mycursor.fetchall()  
 l = len(result)  
 **if** l > 0:  
 print(**""**)  
 print(**"Passenger Records present in database"**)  
 print(**"-------------------------------------"**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** search():  
 c = **'y'  
 while** c == **'y'**:  
 print(**"FLIGHT-SEARCH MENU"**)  
 print(**"^^^^^^^^^^^^^^^^^^"**)  
 print(**""**)  
 print(**"How would you like to search flights ? "**)  
 print(**""**)  
 print(**"1. By flight number"**)  
 print(**"2. By flight name"**)  
 print(**"3. By source and destination"**)  
 print(**"- Press 'e' to go back to user menu."**)  
 print(**""**)  
 x = input(**"Enter your choice :"**)  
 print(**""**)  
 **if** x == **'1'**:  
 search\_by\_flno()  
 **elif** x == **'2'**:  
 search\_by\_fname()  
 **elif** x == **'3'**:  
 search\_by\_sd()  
 **elif** x ==**'e'**:  
 usermenu()  
 **else**:  
 print(**"Invalid input !"**)  
 print(**""**)  
 c = input(**"Do you wish to try again ? - yes / no : "**)  
 print(**""**)  
 **if** c==**'yes'**:  
 search()  
 **else**:  
 usermenu()

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**def** search\_by\_flno():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 fl\_no = input(**"Enter flight number : "**)  
 sql = **"select \* from flight where fl\_no=(%s)"**

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val = [(fl\_no)]  
 mycursor.execute(sql,val)  
 result = mycursor.fetchall()  
 l = len(result)  
 **if** l > 0:  
 print(**""**)  
 print(**"Your searched flight records : "**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 input(**"Press ENTER to go back to search menu..."**)  
 print(**""**)  
 **else**:  
 print(**"No records."**)  
 input(**"Press ENTER to go back to search menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** search\_by\_fname():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 fl\_name = input(**"Enter flight name : "**)  
 sql = **"select \* from flight where fl\_name=(%s)"** val = [(fl\_name)]  
 mycursor.execute(sql,val)  
 result = mycursor.fetchall()  
 l = len(result)  
 **if** l > 0:  
 print(**""**)  
 print(**"Your searched flight records : "**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 input(**"Press ENTER to go back to search menu..."**)  
 print(**""**)  
 **else**:  
 print(**"No records."**)  
 input(**"Press ENTER to go back to search menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** search\_by\_sd():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()

**11**

source = input(**"Enter the source of flight : "**)  
 destination = input(**"Enter flight destination : "**)  
 sql = **"select \* from flight where source=(%s) and destination=(%s)"** val = (source,destination)  
 mycursor.execute(sql,val)  
 result = mycursor.fetchall()  
 l = len(result)  
 **if** l > 0:  
 print(**""**)  
 print(**"Your searched flight records : "**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 input(**"Press ENTER to go back to search menu..."**)  
 print(**""**)  
 **else**:  
 print(**""**)  
 print(**"No flights."**)  
 print(**""**)  
 input(**"Press ENTER to go back to search menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** fl\_disp\_in\_booking():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 source = input(**"Enter the source of flight : "**)  
 destination = input(**"Enter flight destination : "**)  
 sql = **"select \* from flight where source=(%s) and destination=(%s)"** val = (source, destination)  
 mycursor.execute(sql, val)  
 result = mycursor.fetchall()  
 l = len(result)  
 **if** l > 0:  
 print(**""**)  
 print(**"Flights available: "**)  
 print(**""**)  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 print(**""**)  
 **else**:  
 print(**""**)  
 print(**"No flights available."**)  
 print(**""**)  
 input(**"Press ENTER to go back to User menu..."**)  
 print(**""**)  
 usermenu()  
 **except** Exception **as** e:  
 print(e)

**12**

**def** Booking():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 print(**"Flight Booking"**)  
 print(**"^^^^^^^^^^^^^^"**)  
 print(**""**)  
 fl\_disp\_in\_booking()  
 print(**"Choose your flight :"**)  
 print(**""**)  
 fl\_no = input(**"Enter your flight number : "**)  
 print(**""**)  
 print(**"Your chosen flight: "**)  
 sql1 = **"select \* from flight where fl\_no=(%s)"** val1 = [(fl\_no)]  
 mycursor.execute(sql1, val1)  
 result = mycursor.fetchall()  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 fl\_name = input(**"Enter airline name : "**)  
 source = input(**"Flight taking off from : "**)  
 destination = input(**"Flight going to : "**)  
 tod = input(**"Time of departure : "**)  
 toa = input(**"Time of arrival : "**)  
 perheadfare = int(input(**"Flight fare: : "**))  
 nop = int(input(**"Number of passengers : "**))  
 fare = nop\*perheadfare  
 p\_name = input(**"Enter your name (Passenger - 1) : "**)  
 phone = input(**"Enter your phone number : "**)  
 address = input(**"Enter your address : "**)  
 age = input(**"Enter your age : "**)  
 print(**""**)  
 **if** nop>1:  
 print(**"Enter other passengers' details below: "**)  
 print(**""**)  
 **for** i **in** range(nop-1):  
 print(**"Passenger - "**, i+2)  
 pname = input(**"Enter passenger's name : "**)  
 address\_= input(**"Residential address of passenger : "**)  
 age\_ = input(**"Age in years : "**)  
 phoneno = input(**"Enter phone number : "**)  
 print(**""**)  
 **else**:  
 **pass** sql = **"insert into booking (fl\_no,fl\_name,source,destination,tod,toa,p\_name,address,phone,nop,fare) values(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)"** val = (fl\_no,fl\_name,source,destination,tod,toa,p\_name,address,phone,nop,fare)  
 c = input(**"Confirm booking ? yes / no : "**)  
 print(**""**)  
 **if** c == **'yes'**:  
 mycursor.execute(sql, val)  
 mydb.commit()  
 print(**"THANK YOU FOR CHOOSING"**, fl\_name.upper(),**"!"**)  
 print(**""**)  
 print(**"See you next time ..."**)  
 print(**""**)  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 **else**:  
 print(**"Try next time..."**)

**13**

print(**""**)  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)

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**def** Cancellation():  
 **try**:  
 **import** mysql.connector **as** mc  
 mydb = mc.connect(host=**"localhost"**, user=**"root"**, password=**"sourin"**, database=**"sourin2"**)  
 mycursor = mydb.cursor()  
 print(**"Flight Cancellation"**)  
 print(**"^^^^^^^^^^^^^^^^^^^"**)  
 print(**""**)  
 fl\_no = input(**"Enter your flight number : "**)  
 print(**""**)  
 sql = **"select \* from booking where fl\_no=(%s)"** val = [(fl\_no)]  
 mycursor.execute(sql,val)  
 result = mycursor.fetchall()  
 **for** x **in** result:  
 print(x)  
 print(**""**)  
 c = input(**"Are you sure you want to cancel this flight ? yes / no : "**)  
 print(**""**)  
 **if** c == **'yes'**:  
 sql1 = **"delete from booking where fl\_no=(%s)"** delete = [(fl\_no)]  
 mycursor.execute(sql1,delete)  
 mydb.commit()  
 print(**"FLIGHT CANCELLED"**)  
 print(**""**)  
 input(**"Press ENTER to go back to user menu..."**)  
 print(**""**)  
 **else**:  
 print(**"Try again later..."**)  
 print(**""**)  
 **except** Exception **as** e:  
 print(e)  
  
mainmenu()

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\*\*\*end of coding\*\*\*

**14**

**OUTPUT INTERFACE**

**Main Menu:**



**Admin Menu:**

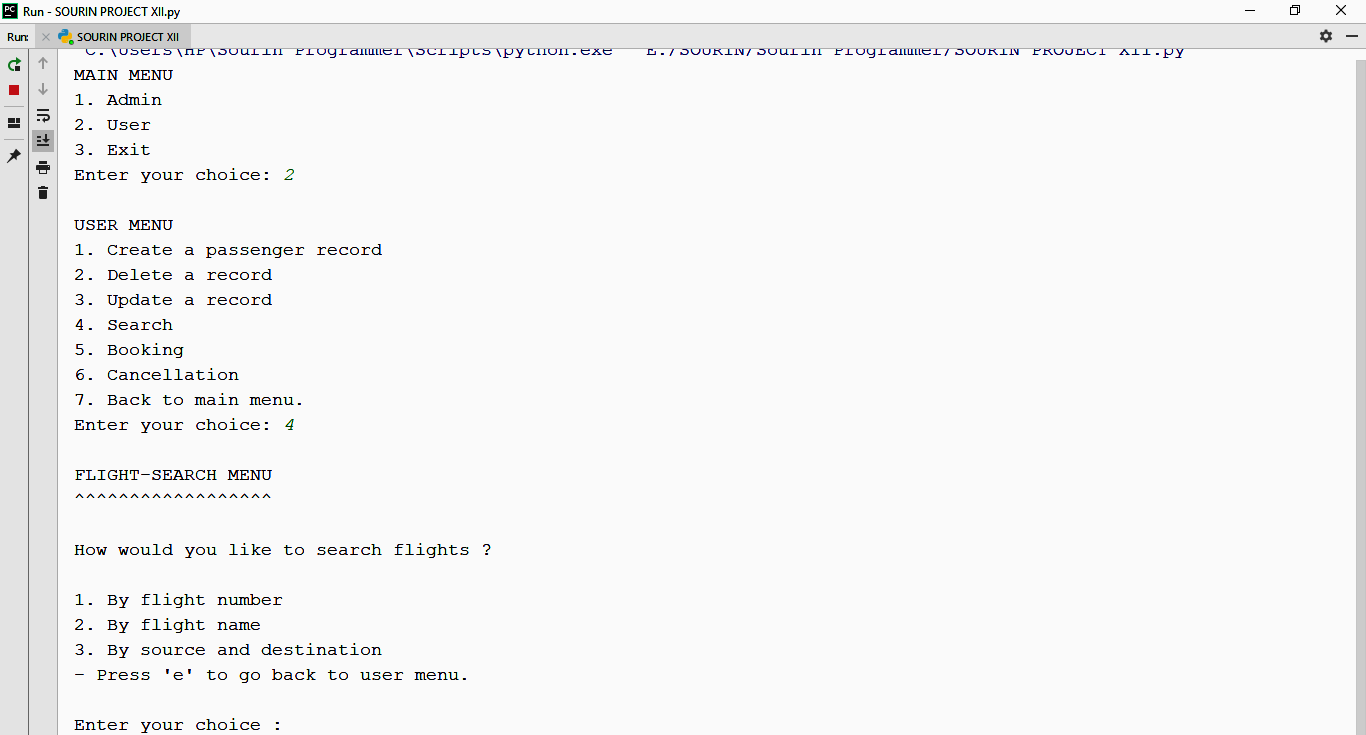


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**User Menu:**

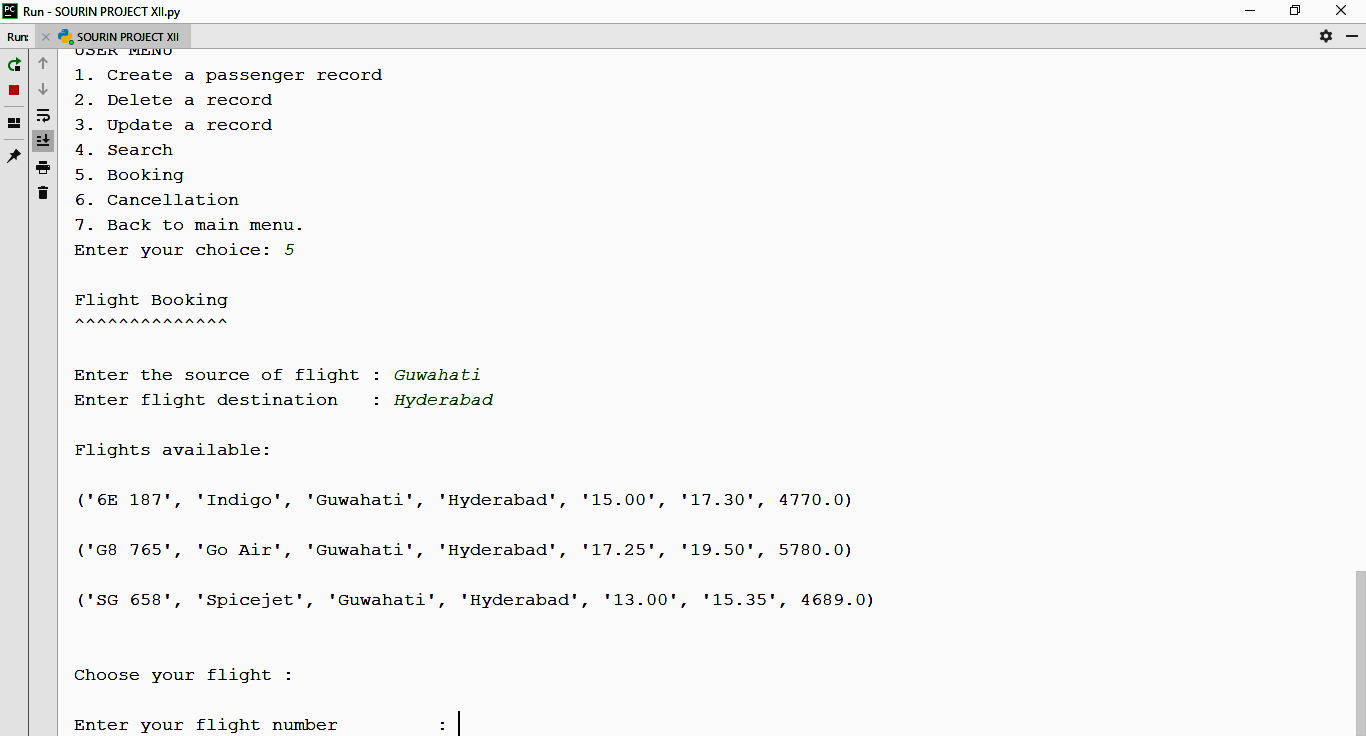


**Flight-Search menu:**

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**Flight booking menu:**

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**Flight Cancellation menu:**

****

**17**

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* **Computer Science with Python Class XII - Sumita Arora**

**18**