**System Implementations**

**Recommended System Requirements**

Processors: Intel® Core™ i3 processor 4300M at 2.60 GHz.

Disk space: 4 to 8 GB.

Operating systems: Windows® 10, MACOS, and UBUNTU.

Python Versions: 3.X.X or Higher.

**Minimum System Requirements**

Processors: Intel Atom® processor or Intel® Core™ i3 processor.

Disk space: 1 GB.

Operating systems: Windows 7 or later, MACOS, and UBUNTU.

Python Versions: 2.7.X, 3.9.X.

**ACKNOWLEDGEMENT**TTT

First and foremost, praises and thanks to the God, the Almighty, for His showers of blessings throughout my research work to complete the research successfully.

We would like to express my deep and sincere gratitude to my subject teacher, **Mr. Amit Udiwal**, for giving me the opportunity to do research and providing invaluable guidance throughout this research. His dynamism, vision, sincerity and motivation have deeply inspired me. He has taught me the methodology to carry out the research and to present the research works as clearly as and honour to work and study under his guidance. We are very much thankful to our **Sr. Jasmin** for giving valuable time and moral support to develop this software. We would like to take opportunity to extend my sincere thanks and gratitude to our parents for being a source of inspiration and providing time and freedom to develop this software project. We also feel indebted to my friends for the valuable suggestions during the project work.

Keshav Thakur

[Roll No.

Class XII

**CERTIFICATE**

This is to certify that the project on ‘Air Ticket Reservation Management System’ is a work done by Keshav Thakur fulfilment of CBSE’S AISSCE EXAMINATION 2022-23 and has been carried out under my direct supervision and guidance. This report or a similar report on the topic has not been submitted for any other examination and does not form any other examination and does not form any other course undergone by the candidate.

Name: Keshav Thakur[Roll No.

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Signature of Teacher / Guide

Name: Mr. Amit Udiwal

Designation:

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**REFERENCE**

The order to work on this project on ‘Air Ticket Reservation Management System’ the following books & literature are referred by me during the various phrases of department of the project.

• http://www.python.org/.

• http://www.itsourcecode.org/.

• http://www.wikipedia.org/.

• Informatics Practices for Class XII

- By Sumita Arora

• Together with informatics practices.

Other than the above mentioned books, the suggestions and supervision of my teacher and my class experience also helped me to develop this software project.

**Introduction**

The main objective of the python project on Air ticket reservation is to manage the details of booking, payments, seats, and flights.

The project is totally built at administrative end and only administrator is guaranteed the access.

The purpose of the project is to build an application program to reduce the manual work for managing the booking, discounts, seats, and payments.

It tracks all the details about seats, flight, and payments; it also prints various reports as per input given by the user.

**Objective and**

**Scope of The Project**

1. It generates the report on sales, discounts and flights.
2. Provides filter report on payments and flight booking.
3. We can easily export PDF on sales, products and stocks.
4. Applications can also provide excel export for bookings and discounts.
5. It deals with monitoring the information and transaction of ticket bookings.
6. It increases the efficiency of flight booking and discount.
7. It has higher efficiency of editing, adding and updating of records.
8. Provides the searching facilities on various factors.

**Air Ticket Reservation Management System**

importos

import platform

importmysql.connector

import pandas as pd

importdatetime

mydb = mysql.connector.connect(user='root', password='12345',

host='localhost',

database='air')

mycursor=mydb.cursor()

defregistercust():

L=[]

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(custname,addr,jrdate,source,destination)values(%s,%s,%s,%s,%s)"

mycursor.execute(sql,cust)

mydb.commit()

defclasstypeview():

print("Do you want to see class type available : Enter 1 for yes :")

ch=int(input("enter your choice:"))

ifch==1:

sql="select \* from classtype"

mycursor.execute(sql)

rows=mycursor.fetchall()

for x in rows:

print(x)

defticketprice():

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 Please->"))

n=int(input("No of passenger:"))

if(x==1):

print ("you have opted First class")

s=6000\*n

elif (x==2):

print ("you have opted Business class")

s=4000\*n

elif (x==3):

print ("you have opted Economy class")

s=2000\*n

else:

print ("please choose a class type")

print ("your room rent is =",s,"\n")

defmenuview():

print("Do yoy want to see menu available : Enter 1 for yes :")

ch=int(input("enter your choice:"))

ifch==1:

sql="select \* from food"

mycursor.execute(sql)

rows=mycursor.fetchall()

for x in rows:

print(x)

deforderitem():

global s

print("Do yoy want to see menu available : Enter 1 for yes :")

ch=int(input("enter your choice:"))

ifch==1:

sql="select \* from food"

mycursor.execute(sql)

rows=mycursor.fetchall()

for x in rows:

print(x)

print("do you want to purchase from above list:enter your choice:")

d=int(input("enter your choice:"))

if(d==1):

print("you have ordered tea")

a=int(input("enter quantity"))

s=10\*a

print("your amount for tea is :",s,"\n")

elif (d==2):

print("you have ordered coffee")

a=int(input("enter quantity"))

s=10\*a

print("your amount for coffee is :",s,"\n")

elif(d==3):

print("you have ordered colddrink")

a=int(input("enter quantity"))

s=20\*a

print("your amount for colddrink is :",s,"\n")

elif(d==4):

print("you have ordered samosa")

a=int(input("enter quantity"))

s=10\*a

print("your amount fopr samosa is :",s,"\n")

elif(d==5):

print("you have ordered sandwich")

a=int(input("enter quantity"))

s=50\*a

print("your amount fopr sandwich is :",s,"\n")

elif(d==6):

print("you have ordered dhokla")

a=int(input("enter quantity"))

s=30\*a

print("your amount for dhokla is :",s,"\n")

elif(d==7):

print("you have ordered kachori")

a=int(input("enter quantity"))

s=10\*a

print("your amount for kachori is :",s,"\n")

elif(d==8):

print("you have ordered milk")

a=int(input("enter quantity"))

s=20\*a

print("your amount for kachori is :",s,"\n")

elif(d==9):

print("you have ordered noodles")

a=int(input("enter quantity"))

s=50\*a

print("your amount for noodles is :",s,"\n")

elif(d==10):

print("you have ordered pasta")

a=int(input("enter quantity"))

s=50\*a

print("your amount for pasta is :",s,"\n")

else:

Print("please enter your choice from the menu")

deflugagebill():

global z

print("Do yoy want to see rate for lugage : Enter 1 for yes :")

ch=int(input("enter your choice:"))

ifch==1:

sql="select \* from lugage"

mycursor.execute(sql)

rows=mycursor.fetchall()

for x in rows:

print(x)

y=int(input("Enter Your weight of extra lugage->"))

z=y\*1000

print("your laundarybill:",z,"\n")

return z

def lb():

print(z)

def res():

print(s)

defticketamount():

a=input("enter customer name:")

print("customer name :",a,"\n")

print("lugage bill:")

print(lb)

print("food bill:")

print(“total amount”)

defMenuset():

print(“AIR TICKET RESERVATION”)

print("enter 1: To enter customer data")

print("enter 2 : To view class")

print("enter 3 : for ticketamount")

print("enter 4 : for viewing food menu")

print("enter 5 : for food bill")

print("enter 6 :for lugage bill")

print("enter 7 : for complete amount")

print("enter 8 : for exit")

'''try:

#userinput=int(input("pleaseselect an above option:"))

exceptValueError:

exit("\n hi thats not a number")'''

userinput=int(input("enter your choice"))

if(userinput==1):

registercust()

elif(userinput==2):

classtypeview()

elif(userinput==3):

ticketprice()

elif(userinput==4):

menuview()

elif(userinput==5):

orderitem()

elif(userinput==6):

lugagebill()

elif(userinput==7):

ticketamount()

elif(userinput==8):

quit()

else:

print("enter correct choice")

Menuset()

defrunagain():

runagn=input("\n want to run again y/n:")

while(runagn.lower()=='y'):

if(platform.system()=="windows"):

print(os.system('cls'))

else:

print(os.system('clear'))

Menuset()

runagn=input("\n want to run again y/n:")

runagain()