

# **A PROJECT REPORT OF INFORMATICS PRACTICES ON ***"BUS BOOKING"*****



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**(Year-2019-20)**  
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# **CERTIFICATE**

This is to certify that **Master Akash Sharma** of Class - XII **(SCIENCE)** of Army Public School, Devlali has Successfully Completed the Project in Informatics Practices as a part of his Curriculum Academic year 2019-2020.

\_\_\_\_\_  
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PRINCIPAL'S  
SIGNATURE

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EXTERNAL  
EXAMINER'S  
SIGNATURE

# **ACKNOWLEDGEMENT**

I would like to give my sincere gratitude to our Principal **Mrs. Medha Gode** for giving me an opportunity to do this project.

I express my sincere thanks to our Informatics Practices teacher **Mrs. Archana S Patil** Who has guided me throughout the completion of project. This would have not been possible without the cooperation and direction provided by her.

**Akash Sharma**  
**XII (Science)**

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# **DESCRIPTION OF PROJECT**

## **User Characteristics:-**

The user of System are Characterised as follows:-

- Administrator: Should be able to update and have access to system maintenance functions.
- Client: Should be able to satisfy his queries and take test practice.

## **The system has the following features:-**

The System is integrated system that will provide Centralised Access to the "Bus Booking".

The System will reduce all type of paper work which were used redundantly.

The System will have good data management, data reliability and accuracy. This will also reduce inaccurate and non-availability of information on time.

# **TECHNICAL SPECIFICATION**

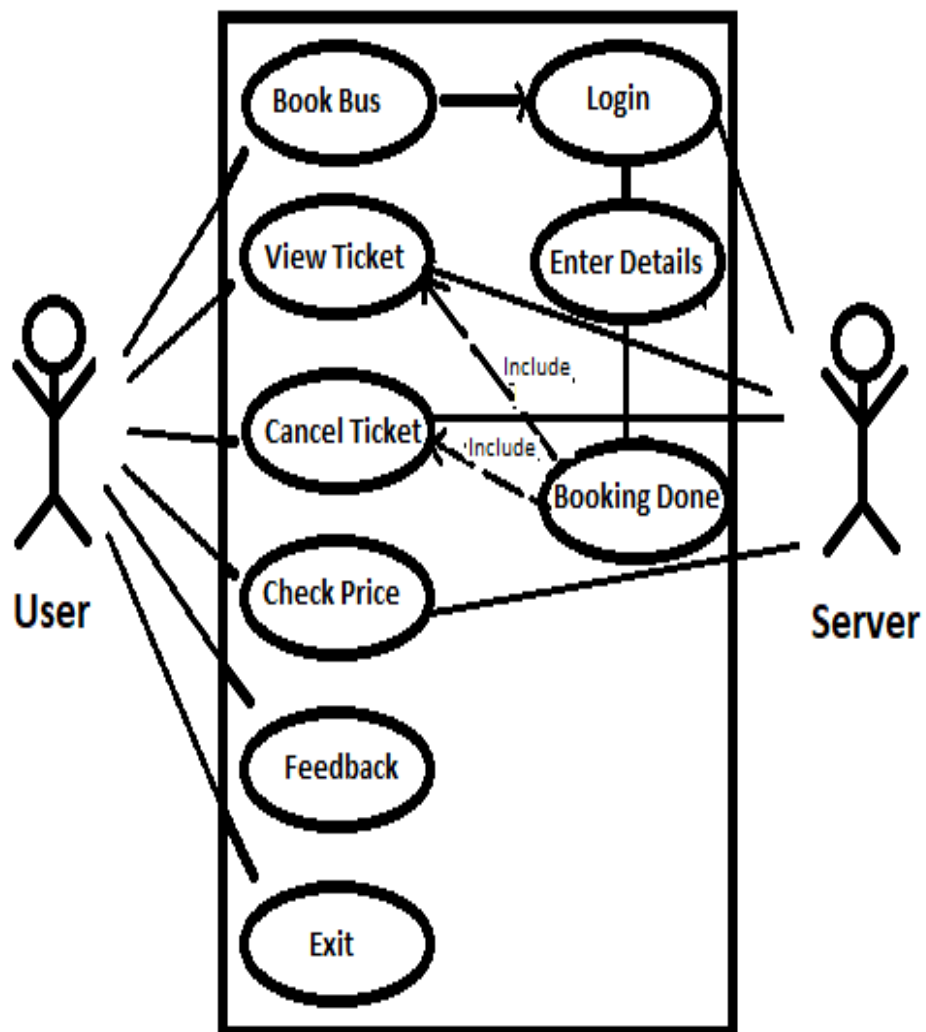
## **Hardware Requirements (Min):**

- Processor - Intel® Core i3
- CPU - [E2180@2.00](#) GHz
- Monitor – Colour CRT/TFT 15.5" Monitor
- System Type – 32 Bits or 64 Bits
- Hard disk – 128GB DDR3

## **Software Requirements (Min):**

- Python Idle 3.6
- MySQL Server 5.1
- MS Word 2007 or Higher
- Windows Professional (Service Pack-1) or Higher.

# USE-CASE DIAGRAM



# **SCREEN** **LAYOUTS** **WITH** **CODING**



# **CONNECTIVITY STATEMENTS** **AND IMPORTS USED**

## **Imports:**

```
from tkinter import *  
import os  
from tkinter import messagebox  
from tkinter.ttk import Combobox  
import mysql.connector as mycon  
import random  
import datetime
```

## **Connectivity Statements:**

```
db =mycon.connect(host='localhost',user  
='root',passwd='1234',database='project')  
cur =db.cursor()
```

# SCREENSHOT OF DATABASE

## AND TABLES USED

```
mysql> \u project
Database changed
mysql> show tables;
+-----+
| Tables_in_project |
+-----+
| booking            |
| devlali             |
| login              |
| nasik               |
+-----+
4 rows in set (0.00 sec)

mysql> select * from login;
+-----+-----+
| user   | pass   |
+-----+-----+
| akash123 | akash@123 |
+-----+-----+
1 row in set (0.05 sec)

mysql>
```

```
mysql> desc booking;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ticket | int(11) | YES  |     | NULL    |       |
| pickup | char(20) | YES  |     | NULL    |       |
| dropoff | char(20) | YES  |     | NULL    |       |
| date   | int(11) | YES  |     | NULL    |       |
| month  | char(20) | YES  |     | NULL    |       |
| code   | char(10) | YES  |     | NULL    |       |
| price  | float(7,2) | YES  |     | NULL    |       |
| did    | int(11) | YES  |     | NULL    |       |
| age    | int(11) | YES  |     | NULL    |       |
| name   | char(25) | YES  |     | NULL    |       |
| mobile | bigint(10) | YES  |     | NULL    |       |
| gender | char(20) | YES  |     | NULL    |       |
| class  | char(20) | YES  |     | NULL    |       |
| type2  | char(20) | YES  |     | NULL    |       |
| stype  | char(20) | YES  |     | NULL    |       |
| seat   | varchar(5) | YES  |     | NULL    |       |
| year   | int(11) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
17 rows in set (0.03 sec)

mysql>
```

```
mysql> select * from nasik;
+-----+-----+-----+-----+
| Destination | Price | Code | category |
+-----+-----+-----+-----+
| Mumbai      | 700   | MH   | Non-AC   |
| Chennai     | 1100  | MH   | Non-AC   |
| Kolkata     | 2000  | MH   | Non-AC   |
| Ahemdabad   | 1700  | MH   | Non-AC   |
| Lucknow     | 1800  | MH   | Non-AC   |
| Patna       | 1900  | MH   | Non-AC   |
| Chandigarh  | 1900  | MH   | Non-AC   |
| Mumbai      | 1400  | MH   | AC        |
| Chennai     | 2200  | MH   | AC        |
| Kolkata     | 4000  | MH   | AC        |
| Ahemdabad   | 3400  | MH   | AC        |
| Lucknow     | 3600  | MH   | AC        |
| Patna       | 3800  | MH   | AC        |
| Chandigarh  | 3800  | MH   | AC        |
+-----+-----+-----+-----+
14 rows in set (0.05 sec)

mysql>
```

```
mysql> select * from devlali;
+-----+-----+-----+-----+
| Destination | Price | Code | category |
+-----+-----+-----+-----+
| Mumbai      | 800   | MH   | Non-AC   |
| Chennai     | 1200  | MH   | Non-AC   |
| Kolkata     | 2100  | MH   | Non-AC   |
| Ahemdabad   | 1800  | MH   | Non-AC   |
| Lucknow     | 1900  | MH   | Non-AC   |
| Patna       | 2000  | MH   | Non-AC   |
| Chandigarh  | 2000  | MH   | Non-AC   |
| Mumbai      | 1600  | MH   | AC        |
| Chennai     | 2400  | MH   | AC        |
| Kolkata     | 4200  | MH   | AC        |
| Ahemdabad   | 3600  | MH   | AC        |
| Lucknow     | 3800  | MH   | AC        |
| Patna       | 4000  | MH   | AC        |
| Chandigarh  | 4000  | MH   | AC        |
+-----+-----+-----+-----+
14 rows in set (0.03 sec)

mysql>
```

**PYTHON**  
**CODING**  
**ALONG**  
**WITH**  
**SCREENSHOTS**

# Home Screen



```

root=Tk()
root.title('Bus Booking')
fr=Frame(root, bd=7,background='black', relief='raise')
fr.pack(side=TOP)
fr1=Frame(root)
w=Label(fr,font=('arial',25,'bold'),text='HAPPY TRAVELS',fg='blue')
w.grid(row=0,columnspan=2)
fr1.place(x=110,y=70)

b=Button(fr1,text='BOOK BUS', command=login, width=15,
bd=5,bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
b1=Button(fr1,text='VIEW TICKET', command=ticket, width=15,
bd=5,bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
b2=Button(fr1,text='CANCEL TICKET', command=cancel, width=15,
bd=5,bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
b3=Button(fr1,text='CHECK PRICE', command=price, width=15,
bd=5,bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
b4=Button(fr1,text='FEEDBACK', command=feedback, width=15,
bd=5,bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)

```

```
b5=Button(fr1,text='EXIT', command=iexit, width=15,bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
```

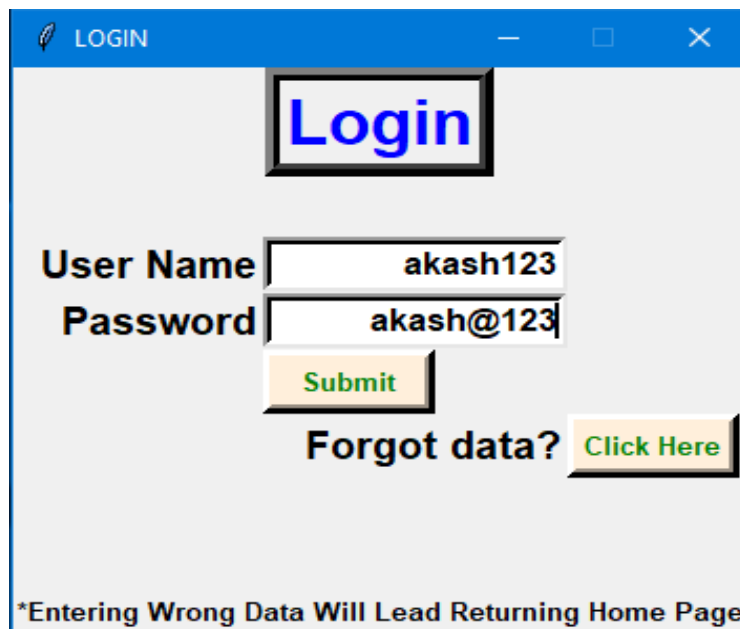
```
b.grid(columnspan=2)
b1.grid(columnspan=2)
b2.grid(columnspan=2)
b3.grid(columnspan=2)
b4.grid(columnspan=2)
b5.grid(columnspan=2)
```

```
root.resizable(False,False)
root.geometry('350x300+500+120')
root.mainloop()
```

## 1. Book Bus

The Book Bus Button consist of 4 tabs:-

### **(i)Login**



```
def login():
    def sub():
        cur.execute('select * from login')
        for x in cur:
            a=x[0]
            b=x[1]
            if (ent1.get()==a and ent2.get()==b):
```

```

        login.destroy()
        messagebox.showinfo("Success", 'Login Completed')
        book()
    else:
        messagebox.showerror("OOPS",'Invalid Username or
        password')
def data():
    os.system('data.txt')

root.iconify()
login=Toplevel()
login.title('LOGIN')
login.geometry('350x300+500+120')
login.resizable(False, False)

fr=Frame(login ,bd=7,background='black', relief='raise')
wel=Label(fr,text='Login',font=('arial',25,'bold'),fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)

fr2=Frame(login)
note=Label(fr2,text='*Entering Wrong Data Will Lead Returning
Home  Page', font=('arial',10,'bold')).pack()
fr2.pack(side=BOTTOM)

fr1=Frame(login)
user=Label(fr1,text='User Name', font=('arial',15,'bold'),
fg='black')
password=Label(fr1,text='Password', font=('arial',15,'bold'))

ent1=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
ent2=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')

user.grid(row=1,sticky=E)
ent1.grid(row=1,column=1)
password.grid(row=2,sticky=E)
ent2.grid(row=2,column=1)

b=Button(fr1,text='Submit', command=sub, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,

```

```

pady=1)
b.grid(row=3,column=1,sticky=W)

da=Label(fr1,text='Forgot data?', font=('arial',15,'bold'),
fg='black')
bt=Button(fr1,text='Click Here',command=data, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
da.grid(row=4,column=1,sticky=E)
bt.grid(row=4,column=2)
fr1.place(x=10,y=90)

```

## (ii)Select Journey

**Booking**

### Select Journey

**Pick-Up** Devlali

**Drop-Off** Kolkata

**Date** 5

**Month** 6

**Year** 2019

**Next**

\*Please Store the Ticket No. Provided For Further

**Success**

**i** Your Ticket No. Is:228

**OK**

```

def book():
    def nextt():
        tno=random.randint(100,999)
        source=b1.get()
        des=b2.get()
        date=b3.get()
        month=b4.get()
        year=sp.get()
        code='MH'
        did=1

```

```

sql="insert into booking
      (pickup,dropoff,date,month,year,code,did,ticket) Values
      ('{}','{}',{},{},{},'{}',{},{})" .format(source,des,date,
      month,year,code,did,tno)
cur.execute(sql)
db.commit()

```

```

messagebox.showinfo("Success", 'Your Ticket No. is:'tno)
nxtt()
bot.destroy()

```

```

bot=Toplevel()
bot.title('Booking')
bot.geometry('350x300+500+120')
bot.resizable(False, False)

```

```

fr=Frame(bot,bd=7,background='black', relief='raise')
wel=Label(fr,text='Select Journey', font=('arial',25,'bold'),
fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)

```

```

fr1=Frame(bot)
fr1.place(x=35,y=70)

```

```

sor=Label(fr1,text='Pick-Up ',font=('arial',15,'bold'))
c=['Devlali','Nasik']
b1=Combobox(fr1,values=c,width=19,font=('arial', 9, 'bold') )
b1.set('-----Select-----')
sor.grid(row=1,sticky=E)
b1.grid(row=1,column=1)

```

```

des=Label(fr1,text='Drop-Off ',font=('arial',15,'bold'))
d=['Mumbai','Chennai','Delhi','Kolkata','Ahemdabad','Lucknow',
'Patna','Chandigarh']
b2=Combobox(fr1,values=d,width=19,font=('arial', 9, 'bold') )
b2.set('-----Select-----')
des.grid(row=2,sticky=E)
b2.grid(row=2,column=1)

```

```

dat=Label(fr1,text='Date',font=('arial',15,'bold'))

```



```

e=list(range(1,32))
b3=Combobox(fr1,values=e,width=19,font=('arial', 9, 'bold'))
b3.set('-----Select-----')
dat.grid(row=3,sticky=E)
b3.grid(row=3,column=1)

mon=Label(fr1,text='Month',font=('arial',15,'bold'))
k=[1,2,3,4,5,6,7,8,9,10,11,12]
b4=Combobox(fr1,values=k,width=19,font=('arial', 9, 'bold'))
b4.set('-----Select-----')
mon.grid(row=4,sticky=E)
b4.grid(row=4,column=1)

pe=Label(fr1,text='Year',font=('arial',15,'bold'))
sp=Spinbox(fr1,from_=2019,to=2020,width=20,font=('arial',9,
'bold'))
pe.grid(row=5,sticky=E)
sp.grid(row=5,column=1)

sub=Button(fr1,text='Next',command=nextt, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
sub.grid(row=6,column=1,sticky=W)

fr2=Frame(bot)
note=Label(fr2,text='*Please Store the Ticket No. Provided For
Further',font=('arial',10,'bold')).pack()
fr2.pack(side=BOTTOM)

```

## (iii) Select Type

The screenshot shows a window titled "Select Type" with a blue header bar. Inside the window, the title "Select Type" is displayed in large blue font. Below it, there are four input fields with labels: "Ticket No." (text input with value "228"), "Bus Class" (dropdown menu with value "AC"), "Bus Type" (dropdown menu with value "Semi-Sleeper"), and "Seat Type" (dropdown menu with value "Window"). A yellow "Continue" button is positioned below these fields. At the bottom of the window, a note states "\*Price varies on class".

```
def nextt():
    def con():
        tno=t1.get()
        bclass=b11.get()
        btype=b12.get()
        stype=b13.get()
        if stype=='Window':
            st='w'
        elif stype=='Non-Window':
            st='s'
        sno=random.randint(1,9)
        kc=str(sno)
        seat=st+kc

    sql="select pickup,dropoff from booking where ticket={}".format(tno)
    cur.execute(sql)
    for x in cur:
        pick=x[0]
        drop=x[1]
    if pick=='Devlali':
        sql1="select Price from devlali where Destination='{}' and category='{}'.format(drop,bclass)
        cur.execute(sql1)
```

```

    for x in cur:
        price=x[0]
    elif pick=='Nasik':
        sql2="select Price from nasik where Destination='{ }' and
        category='{ }'".format(drop,bclass)
        cur.execute(sql2)
        for y in cur:
            price=y[0]

```

```

sql="update booking set class='{ }',type2='{ }', stype='{ }',
price={ },seat='{ }' where ticket={ }".format
(bclass,btype,stype,price,seat,tno)
cur.execute(sql)
db.commit()

```

```

tp.destroy()
details()

```

```

tp=Toplevel()
tp.title('Select Type')
tp.geometry('350x300+500+120')
tp.resizable(False,False)

```

```

fr=Frame(tp,bd=7,background='black', relief='raise')
wel=Label(fr,text='Select Type',font=('arial',25,'bold'),fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)

```

```

fr1=Frame(tp)
fr1.place(x=35,y=80)

```

```

wek=Label(fr1,text='Ticket No.',font=('arial',15,'bold'))
wek.grid(row=1,sticky=E)
t1=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=16,
bg='#ffffff', justify='right')
t1.grid(row=1,column=1)

```

```

Bt1=Label(fr1,text=' Bus Class',font=('arial',15,'bold'))
ck=['AC','Non-AC']
b11=Combobox(fr1,values=ck,width=19,font=('arial', 9, 'bold'))
b11.set('-----Select-----')
Bt1.grid(row=2,sticky=E)

```

```
b11.grid(row=2,column=1)
```

```
Bt2=Label(fr1,text=' Bus Type ',font=('arial',15,'bold'))
```

```
ck2=['Seater','Semi-Sleeper','Sleeper']
```

```
b12=Combobox(fr1,values=ck2,width=19,font=('arial', 9, 'bold'))
```

```
b12.set('-----Select-----')
```

```
Bt2.grid(row=3,sticky=E)
```

```
b12.grid(row=3,column=1)
```

```
Bt3=Label(fr1,text=' Seat Type',font=('arial',15,'bold'))
```

```
ck3=['Window','Non-Window']
```

```
b13=Combobox(fr1,values=ck3,width=19,font=('arial', 9, 'bold'))
```

```
b13.set('-----Select-----')
```

```
Bt3.grid(row=4,sticky=E)
```

```
b13.grid(row=4,column=1)
```

```
sub=Button(fr1,text='Continue',command=con, width=8, bd=5,  
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,  
pady=1)
```

```
sub.grid(row=5,column=1,sticky=W)
```

```
fr2=Frame(tp)
```

```
note=Label(fr2,text='*Price varies on class',
```

```
font=('arial',10,'bold')).pack()
```

```
fr2.pack(side=BOTTOM)
```

## (iv)Enter Details

**ENTER DETAILS**

**Enter Details**

Ticket No. 228

Enter Name Akash

Enter Age 17

Select Gender Male

Mobile No. 9987654321

Book

**SUCCESS**

**Booking Successful**

Ticket No. :- 228

Journey Code :- MH

OK

\*Store This Data For Further Uses.

```

def details():
    def done():
        def ok():
            cat.destroy()
            root.deiconify()

        tno=t1.get()
        name=ent1.get()
        age=ent2.get()
        gender=bbb.get()
        mobile=ent3.get()

        sql="update booking set name='{ }',gender='{ }', age={ },
            mobile={ } where ticket={ }".
            format(name,gender,age,mobile,tno)
        cur.execute(sql)
        db.commit()

        tic.destroy()

        cat=Toplevel()
        cat.title('SUCCESS')
        cat.geometry('240x200+550+200')
        cat.resizable(False,False)

        fr=Frame(cat ,bd=7,background='black', relief='raise')
        wel=Label(fr,text='Booking Successful', font=('arial',15,'bold'),
            fg='blue')
        wel.grid(row=0,columnspan=2)
        fr.pack(side=TOP)

        fr1=Frame(cat)
        fr1.place(x=5,y=70)

        no=Label(fr1,text='Ticket No. :-',font=('arial',12,'bold'),
            fg='red').pack()
        cod=Label(fr1,text='Journey Code :-',font=('arial',12,'bold'),
            fg='red').pack()

        fr2=Frame(cat)
        fr2.place(x=200,y=70)

```

```
no=Label(fr2,text=tno,font=('arial',12,'bold'),
fg='green').pack()
cod=Label(fr2,text='MH',font=('arial',12,'bold'),
fg='green').pack()
```

```
fr3=Frame(cat)
note=Label(fr3,text='*Store This Data For Further Uses.',
font=('arial',10,'bold'))
note.grid(row=1,columnspan=2)
fr3.pack(side=BOTTOM)
```

```
ok=Button(fr3,text='OK' ,command=ok ,width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
ok.grid(row=0,column=1,sticky=W)
```

```
tic=Toplevel()
tic.title('ENTER DETAILS')
tic.geometry('350x300+500+120')
tic.resizable(False,False)
```

```
fr=Frame(tic ,bd=7,background='black', relief='raise')
wel=Label(fr,text='Enter Details',font=('arial',25,'bold'),fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)
```

```
fr1=Frame(tic)
fr1.place(x=25,y=80)
```

```
wek=Label(fr1,text='Ticket No.',font=('arial',15,'bold'))
wek.grid(row=1,sticky=E)
t1=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
t1.grid(row=1,column=1)
```

```
name=Label(fr1,text='Enter Name',font=('arial',15,'bold'))
ent1=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
name.grid(row=2,sticky=E)
ent1.grid(row=2,column=1)
```

```
age=Label(fr1,text='Enter Age',font=('arial',15,'bold'))
ent2=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
age.grid(row=3,sticky=E)
ent2.grid(row=3,column=1)
```

```
gender=Label(fr1,text='Select Gender',font=('arial',15,'bold'))
ckk=['Male','Female','Others']
bbb=Combobox(fr1,values=ckk,width=17,font=('arial', 9, 'bold'))
gender.grid(row=4,sticky=E)
bbb.grid(row=4,column=1)
bbb.set('-----Select-----')
```

```
mobile=Label(fr1,text=' Mobile No.',font=('arial',15,'bold'))
ent3=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
mobile.grid(row=5,sticky=E)
ent3.grid(row=5,column=1)
```

```
sub=Button(fr1,text='Book',command=done, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
sub.grid(row=6,column=1,sticky=W)
```

## 2.View Ticket

ENTER DETAILS

### Enter Details

Ticket No.

Journey code

\*Provided When Booking Was finished

SUCCESS

### Your Details

Ticket No. :- 228

Pickup :- Devlali

Dropoff :- Kolkata

Date :- 2019-06-05

Name :- Akash

Age :- 17

Gender :- Male

Mobile No. :- 9987654321

Bus Class :- AC

Bus Type :- Semi-Sleeper

Seat Type :- Window

Seat No. :- w1

Price :- 4200.0

Time :- 8:00 Hrs

\*Give Feedback About Your Experience

```

def ticket():
    root.iconify()
    def tiket():
        tno=ent1.get()
        code=ent2.get()
        if code=='MH':
            tick.destroy()
            def ck():
                det.destroy()
                root.deiconify()

        sql="select pickup,dropoff,date,month,year,name,class,
                type2,stype ,seat,price,gender,mobile,age from
                booking where ticket={}".format(tno)
        cur.execute(sql)
        for x in cur:
            pick=x[0]
            drop=x[1]
            date=x[2]
            month=x[3]
            year=x[4]
            name=x[5]
            bclass=x[6]
            btype=x[7]
            stype=x[8]
            sno=x[9]
            price=x[10]
            gender=x[11]
            mno=x[12]
            age=x[13]

        det=Toplevel()
        det.title('SUCCESS')
        det.geometry('350x570+480+30')
        det.resizable(False,False)

        fr=Frame(det ,bd=7,background='black', relief='raise')
        wel=Label(fr,text='Your Details', font=('arial',25,'bold'),
        fg='blue')
        wel.grid(row=0,columnspan=2)

```



```
fr.pack(side=TOP)
```

```
fr1=Frame(det)
fr1.place(x=5,y=80)
```

```
a=int(date)
b=int(month)
c=int(year)
jdate=datetime.date(c,b,a)
tim='8:00 Hrs'
```

```
no=Label(fr1,text='Ticket No. :-',font=('arial',15,'bold'),
fg='red').grid(row=0,sticky=W)
cod=Label(fr1,text='Pickup :-',font=('arial',15,'bold'),
fg='red').grid(row=1,sticky=W)
codq=Label(fr1,text='Dropoff :-',font=('arial',15,'bold'),
fg='red').grid(row=2,sticky=W)
codw=Label(fr1,text='Date :-',font=('arial',15,'bold'),
fg='red').grid(row=3,sticky=W)
code=Label(fr1,text='Name :-',font=('arial',15,'bold'),
fg='red').grid(row=4,sticky=W)
codr=Label(fr1,text='Age :-',font=('arial',15,'bold'),
fg='red').grid(row=5,sticky=W)
codt=Label(fr1,text='Gender :-',font=('arial',15,'bold'),
fg='red').grid(row=6,sticky=W)
cody=Label(fr1,text='Mobile No. :-',font=('arial',15,'bold'),
fg='red').grid(row=7,sticky=W)
codu=Label(fr1,text='Bus Class :-',font=('arial',15,'bold'),
fg='red').grid(row=8,sticky=W)
codi=Label(fr1,text='Bus Type :-',font=('arial',15,'bold'),
fg='red').grid(row=9,sticky=W)
coda=Label(fr1,text='Seat Type :-',font=('arial',15,'bold'),
fg='red').grid(row=10,sticky=W)
codo=Label(fr1,text='Seat No. :-',font=('arial',15,'bold'),
fg='red').grid(row=11,sticky=W)
codp=Label(fr1,text='Price :-',font=('arial',15,'bold'),
fg='red').grid(row=12,sticky=W)
cods=Label(fr1,text='Time :-',font=('arial',15,'bold'),
fg='red').grid(row=13,sticky=W)
```

```
fr2=Frame(det)
fr2.place(x=210,y=80)
```

```

no=Label(fr2,text=tno,font=('arial',15,'bold'),
fg='green').grid(row=0,sticky=E)
cod=Label(fr2,text=pick,font=('arial',15,'bold'),
fg='green').grid(row=1,sticky=E)
codq=Label(fr2,text=drop,font=('arial',15,'bold'),
fg='green').grid(row=2,sticky=E)
codw=Label(fr2,text=jdate,font=('arial',15,'bold'),
fg='green').grid(row=3,sticky=E)
code=Label(fr2,text=name,font=('arial',15,'bold'),
fg='green').grid(row=4,sticky=E)
codr=Label(fr2,text=age,font=('arial',15,'bold'),
fg='green').grid(row=5,sticky=E)
codt=Label(fr2,text=gender,font=('arial',15,'bold'),
fg='green').grid(row=6,sticky=E)
cody=Label(fr2,text=mno,font=('arial',15,'bold'),
fg='green').grid(row=7,sticky=E)
codu=Label(fr2,text=bclass,font=('arial',15,'bold'),
fg='green').grid(row=8,sticky=E)
codi=Label(fr2,text=btype,font=('arial',15,'bold'),
fg='green').grid(row=9,sticky=E)
codo=Label(fr2,text=stype,font=('arial',15,'bold'),
fg='green').grid(row=10,sticky=E)
codp=Label(fr2,text=sno,font=('arial',15,'bold'),
fg='green').grid(row=11,sticky=E)
codp=Label(fr2,text=price,font=('arial',15,'bold'),
fg='green').grid(row=12,sticky=E)
cods=Label(fr2,text=tim,font=('arial',15,'bold'),
fg='green').grid(row=13,sticky=E)

```

```

fr3=Frame(det)
note=Label(fr3,text='*Give Feedback About Your
Experience', font=('arial',13,'bold'))
note.grid(row=1,columnspan=2)
fr3.pack(side=BOTTOM)

```

```

ok=Button(fr3,text='OK' ,command=ck ,width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green',
padx=2, pady=1)
ok.grid(row=0,column=1,sticky=W)

```

else:

```
messagebox.showerror("OOPS",'Invalid Journey code')
```

```
tick=Toplevel()
tick.title('ENTER DETAILS')
tick.geometry('350x300+500+120')
tick.resizable(False,False)
```

```
fr=Frame(tick ,bd=7,background='black', relief='raise')
wel=Label(fr,text='Enter Details',font=('arial',25,'bold'),fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)
fr1=Frame(tick)
fr1.place(x=15,y=100)
```

```
Tno=Label(fr1,text=' Ticket No.',font=('arial',15,'bold'))
```

```
Tno.grid(row=1,sticky=E)
ent1=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
ent1.grid(row=1,column=1)
```

```
jc=Label(fr1,text=' Journey code',font=('arial',15,'bold'))
ent2=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
jc.grid(row=2,sticky=E)
ent2.grid(row=2,column=1)
```

```
ub=Button(fr1,text='Submit',command=tiket, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
ub.grid(row=3,column=1,sticky=W)
```

```
fr2=Frame(tick)
note=Label(fr2,text='*Provided When Booking Was finished',
font=('arial',10,'bold')).pack()
fr2.pack(side=BOTTOM)
```

## 3.Cancel Ticket

```
def cancel():
    root.iconify()
    def canc():

        tno=ent1.get()
        code=ent2.get()
        if code=='MH':
            can.destroy()
            def kk():
                deta.destroy()
                root.deiconify()

            sql="delete from booking where ticket={}".format(tno)
            cur.execute(sql)
            db.commit()

            deta=Toplevel()
            deta.title('SUCCESS')
            deta.geometry('330x180+550+200')
            deta.resizable(False,False)

            fr=Frame(deta ,bd=7,background='black', relief='raise')
            wel=Label(fr,text='Cancellation Successful',
```

```
font=('arial',15,'bold'), fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)
```

```
fr1=Frame(deta)
fr1.place(x=5,y=70)
```

```
no=Label(fr1,text='Your Ticket Has Been Cancelled.',
font=('arial',15,'bold'),fg='red').grid(row=0,
column=1,sticky=W)
```

```
ok=Button(fr1,text='OK' ,command=kk ,width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green',
padx=2, pady=1)
ok.grid(row=5,columnspan=2)
```

```
else:
    messagebox.showerror("OOPS",'Invalid Journey code')
```

```
can=Toplevel()
can.title('Cancellation')
can.geometry('350x300+500+120')
can.resizable(False,False)
```

```
fr=Frame(can,bd=7,background='black', relief='raise')
wel=Label(fr,text='Enter Details',font=('arial',25,'bold'),fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)
```

```
fr1=Frame(can)
fr1.place(x=15,y=100)
```

```
tno=Label(fr1,text=' Ticket No.',font=('arial',15,'bold'))
ent1=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
tno.grid(row=1,sticky=E)
ent1.grid(row=1,column=1)
```

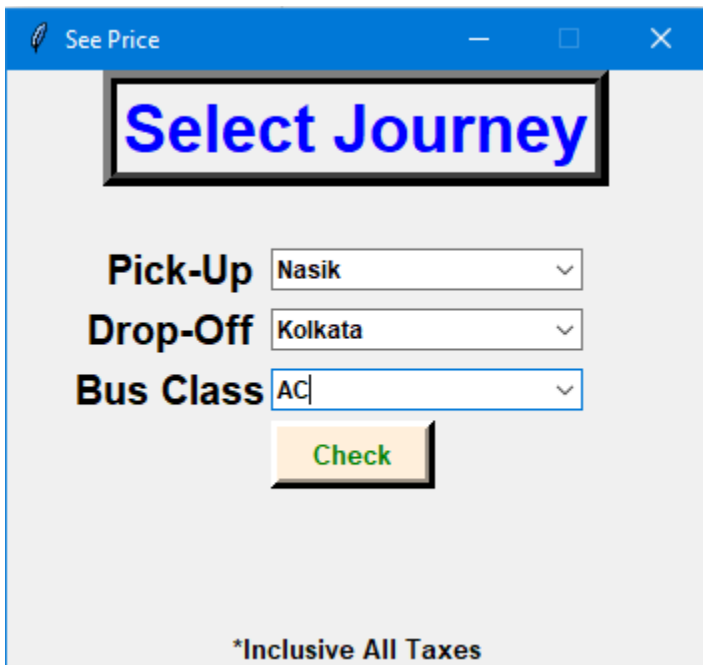
```
jc=Label(fr1,text=' Journey code',font=('arial',15,'bold'))
ent2=Entry(fr1,font=('arial', 12, 'bold'), bd=4, width=15,
bg='#ffffff', justify='right')
jc.grid(row=2,sticky=E)
```

```
ent2.grid(row=2,column=1)
```

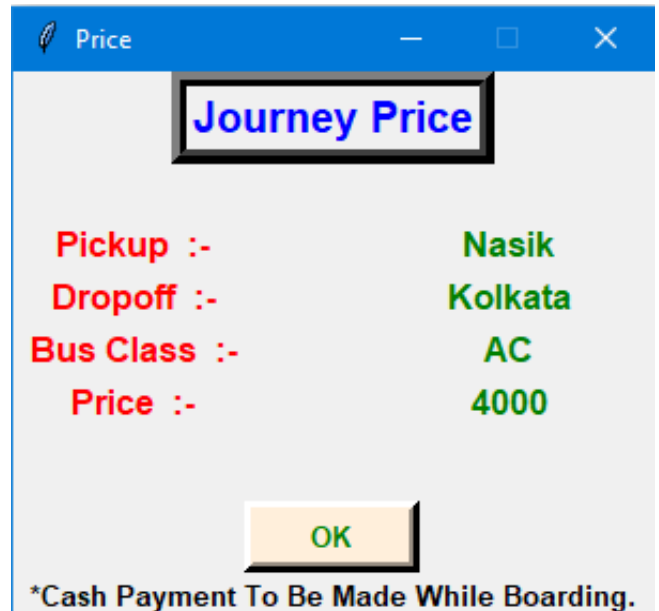
```
ub=Button(fr1,text='Submit',command=canc, width=8, bd=5
,bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
ub.grid(row=3,column=1,sticky=W)
```

```
fr2=Frame(can)
note=Label(fr2,text='*Provided When Booking Was finished',
font=('arial',10,'bold')).pack()
fr2.pack(side=BOTTOM)
```

## 4.Check Price



The 'See Price' window has a title bar with a feather icon and standard window controls. The main content area has a title 'Select Journey' in a blue box. Below it are three dropdown menus: 'Pick-Up' with 'Nasik', 'Drop-Off' with 'Kolkata', and 'Bus Class' with 'AC'. A yellow 'Check' button is at the bottom. A note at the very bottom reads '\*Inclusive All Taxes'.



The 'Price' window has a title bar with a feather icon and standard window controls. The main content area has a title 'Journey Price' in a blue box. Below it, the results are displayed in two columns: 'Pickup :-' (red) and 'Dropoff :-' (red) both followed by 'Nasik' (green); 'Bus Class :-' (red) followed by 'Kolkata' (green); and 'Price :-' (red) followed by '4000' (green). A yellow 'OK' button is at the bottom. A note at the very bottom reads '\*Cash Payment To Be Made While Boarding.'.

```
def price():
    root.iconify()
    def pcheck():
        def dk():
            cata.destroy()
            root.deiconify()

        pick=b1.get()
        drop=b2.get()
        bclass=b11.get()
        if pick=='Devlali':
```

```

sql1="select Price from devlali where Destination='{ }' and
      category='{ }'".format(drop,bclass)
cur.execute(sql1)
for x in cur:
    price=x[0]
elif pick=='Nasik':
    sql2="select Price from nasik where Destination='{ }' and
          category='{ }'".format(drop,bclass)
    cur.execute(sql2)
    for y in cur:
        price=y[0]

pot.destroy()
cata=Toplevel()
cata.title('Price')
cata.geometry('300x260+550+200')
cata.resizable(False,False)

fr=Frame(cata ,bd=7,background='black', relief='raise')
wel=Label(fr,text='Journey Price',font=('arial',15,'bold'),
fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)

fr1=Frame(cata)
fr1.place(x=5,y=70)

no=Label(fr1,text='Pickup  :-',font=('arial',12,'bold'),
fg='red').pack()
cod=Label(fr1,text='Dropoff  :-',font=('arial',12,'bold'),
fg='red').pack()
no1=Label(fr1,text='Bus Class  :-',font=('arial',12,'bold'),
fg='red').pack()
no2=Label(fr1,text='Price  :-',font=('arial',12,'bold'),
fg='red').pack()

fr2=Frame(cata)
fr2.place(x=200,y=70)

no=Label(fr2,text=pick,font=('arial',12,'bold'),
fg='green').pack()
cod=Label(fr2,text=drop,font=('arial',12,'bold'),

```

```
fg='green').pack()
no1=Label(fr2,text=bclass,font=('arial',12,'bold'),
fg='green').pack()
no2=Label(fr2,text=price,font=('arial',12,'bold'),
fg='green').pack()
```

```
fr3=Frame(cata)
note=Label(fr3,text='*Cash Payment To Be Made While
Boarding.', font=('arial',10,'bold'))
note.grid(row=1,columnspan=2)
fr3.pack(side=BOTTOM)
```

```
ok=Button(fr3,text='OK' ,command=dk ,width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
ok.grid(row=0,column=1,sticky=W)
```

```
pot=Toplevel()
pot.title('See Price')
pot.geometry('350x300+500+120')
pot.resizable(False,False)
```

```
fr=Frame(pot,bd=7,background='black', relief='raise')
wel=Label(fr,text='Select Journey',font=('arial',25,'bold'),
fg='blue')
wel.grid(row=0,columnspan=2)
fr.pack(side=TOP)
```

```
fr1=Frame(pot)
fr1.place(x=25,y=85)
```

```
sor=Label(fr1,text='Pick-Up ',font=('arial',15,'bold'))
c=['Devlali','Nasik']
b1=Combobox(fr1,values=c,width=19,font=('arial', 9, 'bold') )
b1.set('-----Select-----')
sor.grid(row=1,sticky=E)
b1.grid(row=1,column=1)
```

```
des=Label(fr1,text='Drop-Off ',font=('arial',15,'bold'))
d=['Mumbai','Chennai','Delhi','Kolkata','Ahemdabad','Lucknow',
'Patna','Chandigarh']
b2=Combobox(fr1,values=d,width=19,font=('arial', 9, 'bold') )
```



```

b2.set('-----Select-----')
des.grid(row=2,sticky=E)
b2.grid(row=2,column=1)

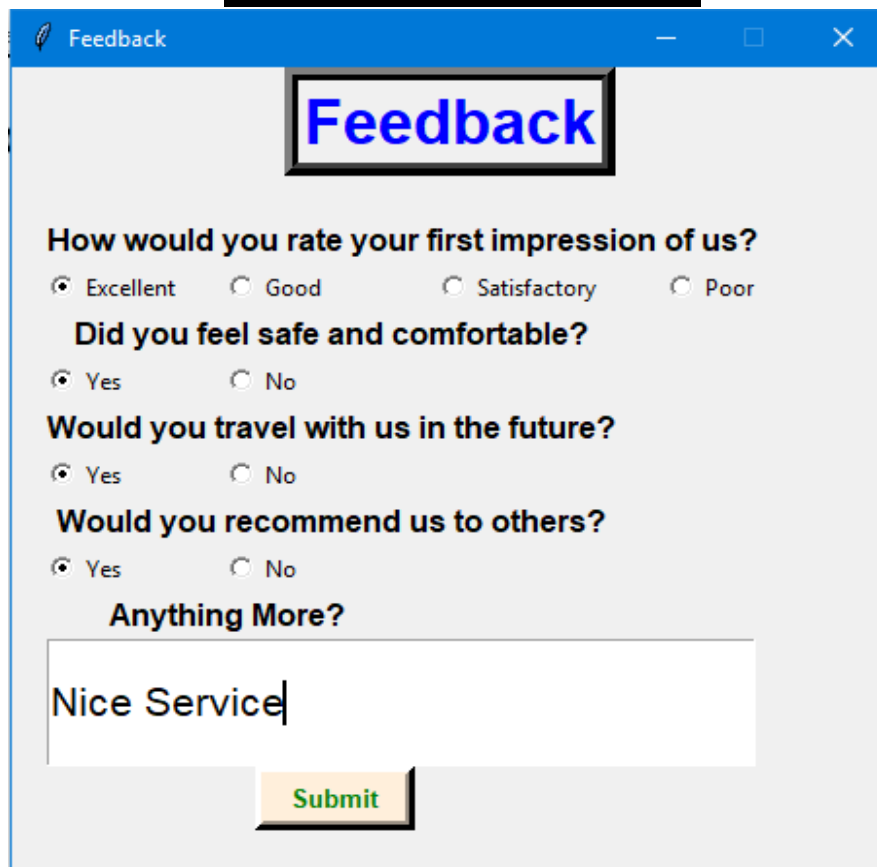
Bt1=Label(fr1,text=' Bus Class',font=('arial',15,'bold'))
ck=['AC','Non-AC']
b11=Combobox(fr1,values=ck,width=19,font=('arial', 9, 'bold'))
b11.set('-----Select-----')
Bt1.grid(row=3,sticky=E)
b11.grid(row=3,column=1)

ub=Button(fr1,text='Check',command=pcheck, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
ub.grid(row=4,column=1,sticky=W)

fr2=Frame(pot)
note=Label(fr2,text='*Inclusive All Taxes',
font=('arial',10,'bold')).pack()
fr2.pack(side=BOTTOM)

```

## 5.Feedback



The screenshot shows a feedback form window with a blue title bar and standard window controls. The form is titled 'Feedback' in a large blue font. It contains several questions with radio button options:

- How would you rate your first impression of us?**
  - ☒ Excellent
  - ☐ Good
  - ☐ Satisfactory
  - ☐ Poor
- Did you feel safe and comfortable?**
  - ☒ Yes
  - ☐ No
- Would you travel with us in the future?**
  - ☒ Yes
  - ☐ No
- Would you recommend us to others?**
  - ☒ Yes
  - ☐ No
- Anything More?**
  - A text input field containing the text 'Nice Service'.

At the bottom right of the form is a yellow 'Submit' button with a black border.

```

def feedback():
    root.iconify()
    def subb():
        messagebox.showinfo("Submitted",'Feedback Submitted')
        feed.destroy()
        root.deiconify()

    feed=Toplevel()
    feed.title('Feedback')
    feed.resizable(False,False)

    fr=Frame(feed)
    fr.place(x=15,y=80)
    feed.geometry('450x430+500+120')

    fr1=Frame(feed,bd=7,background='black', relief='raise')
    wel=Label(fr1,text='Feedback',font=('arial',25,'bold'),fg='blue')
    wel.grid(row=0,columnspan=2)
    fr1.pack(side=TOP)

    i=StringVar()
    u1=Label(fr,text='How would you rate your first impression of
us?', font=('arial',12,'bold'))
    r1=Radiobutton(fr,text='Excellent',value='Excellent',variable=i)
    r2=Radiobutton(fr,text='Good',value='Good',variable=i)
    r3=Radiobutton(fr,text='Satisfactory',value='Satisfactory',
variable=i)
    r4=Radiobutton(fr,text='Poor',value='Poor',variable=i)
    u1.grid(row=2,columnspan=4)
    r1.grid(row=3,column=0,sticky=W)
    r2.grid(row=3,column=1,sticky=W)
    r3.grid(row=3,column=2)
    r4.grid(row=3,column=3,sticky=E)

    l=StringVar()
    u2=Label(fr,text='Did you feel safe and comfortable?',
font=('arial',12,'bold'))
    c1=Radiobutton(fr,text='Yes',value='Y',variable=l)
    c2=Radiobutton(fr,text='No',value='N',variable=l)
    u2.grid(row=4,columnspan=3)
    c1.grid(row=5,column=0,sticky=W)
    c2.grid(row=5,column=1,sticky=W)

```

```

j=StringVar()
u3=Label(fr,text='Would you travel with us in the future?',
font=('arial',12,'bold'))
a1=Radiobutton(fr,text='Yes',value='Yes',variable=j)
a2=Radiobutton(fr,text='No',value='No',variable=j)
u3.grid(row=6,columnspan=3)
a1.grid(row=7,column=0,sticky=W)
a2.grid(row=7,column=1,sticky=W)

k=StringVar()
u4=Label(fr,text='Would you recommend us to others?',
font=('arial',12,'bold'))
b1=Radiobutton(fr,text='Yes',value='Yes',variable=k)
b2=Radiobutton(fr,text='No',value='No',variable=k)
u4.grid(row=8,columnspan=3)
b1.grid(row=9,column=0,sticky=W)
b2.grid(row=9,column=1,sticky=W)
u6=Label(fr,text='Anything More?',font=('arial',12,'bold'))
fdk = StringVar()
fd = Entry(fr, font=('arial', 16), textvariable = fdk, width = 30)
u6.grid(row=10,columnspan=2)
fd.grid(row=11,columnspan=4,sticky='s',rowspan=3,ipady=20)

ub=Button(fr,text='Submit',command=subb, width=8, bd=5,
bg='antiquewhite1',font=('arial',10,'bold'),fg='green', padx=2,
pady=1)
ub.grid(row=18,column=1,sticky=E)

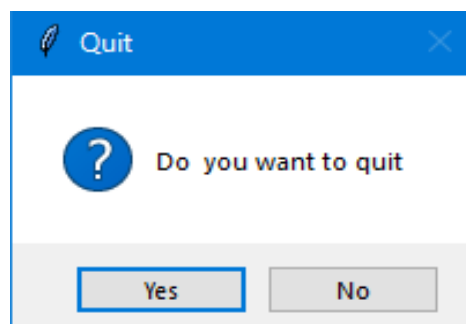
```

## **6.Exit**

```

def iexit():
    qExit = messagebox.askyesno("Quit","Do you want to quit")
    if qExit > 0:
        root.destroy()
        return

```



# **BIBLIOGRAPHY**

## **Reference Books:-**

1. Informatics Practices for Class XI
2. Informatics Practices for Class XII

## **Reference Websites:-**

1. [www.stackoverflow.com](http://www.stackoverflow.com)