INT 213 PROJECT

ON

CAB BOOKING SYSTEM

PREPARED BY,

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INTRODUCTION

Python is high level, general purpose programming language. It's design philosophy emphasizes code reading with the used of significant readability.Tkinter is a package included in standard python interface to the tcl/tk GUI toolkit.This project uses tkinter, sqlite3 and other modules to create a LPU CAB Booking System which can be used to book cabs to travel within LPU at anytime with ease.It makes the booking process easier and faster thus enhancing the passenger experience and also can access the pricing information before the ride.

OBJECTIVE

The objective of the project is to make an interface that can be accessed to book rides within the LPU campus.It should have a sign up and a login function. With proper pricing and vehicle details. The receipt and price should also be visible in the page.This should be done with the proper simultaneous implementation of SQLite and tkinter.

TABLE USED

Only one table is used in the program for the login and signup function. The table ‘user’ stores username and passwords which are used to login to the cab booking system.

```
('India', '1234')
('pragnanreddy', '1223')
('swaroop', '321')
('Manush', '123')
```

This is output of table used in the database as printed in Python.This table was created in Python using the sqlite3 module which is used to integrate SQLite to python.

CODE SCREENSHOT

```python
from tkinter import *
from tkinter import ttk
import random
import time
import datetime
from tkinter import messagebox as ms
import sqlite3
Item4 = 0
with sqlite3.connect('Users.db') as db:
    c = db.cursor()

c.execute('CREATE TABLE IF NOT EXISTS user (username TEXT NOT NULL ,password TEXT NOT NULL)')
db.commit()
db.close()

#main Class
class user:
    def __init__(self,master):
        # Window
        self.master = master
        # Some Usefull variables
        self.username = StringVar()
        self.password = StringVar()
        self.n_username = StringVar()
        self.n_password = StringVar()
        #Create Widgets
        self.widgets()
```

```python
#Login Function
def login(self):
    #Establish Connection
    with sqlite3.connect('Users.db') as db:
        c = db.cursor()

    #Find user If there is any take proper action
    find_user = ('SELECT * FROM user WHERE username = ? and password = ?')
    c.execute(find_user,[(self.username.get()),(self.password.get())])
    result = c.fetchall()
    if result:
        self.logf.pack_forget()
        self.head['text'] = "Welcome " + self.username.get()
        self.head.configure(fg="black")
        self.head.pack(fill=X)
        application = travel(root)

    else:
        ms.showerror('Oops!','Username Not Found.')
```

```
def new_user(self):
    #Establish Connection
    with sqlite3.connect('Users.db') as db:
        c = db.cursor()

    #Find Existing username if any take proper action
    find_user = ('SELECT * FROM user WHERE username = ?')
    c.execute(find_user,[(self.username.get())])
    if c.fetchall():
        ms.showerror('Error!','Username Already Taken!')
    else:
        ms.showinfo('Success!','Account Created!')
        self.log()
    #Create New Account
    insert = 'INSERT INTO user(username,password) VALUES(?,?)'
    c.execute(insert,[(self.n_username.get()),(self.n_password.get())])
    db.commit()

    #Frame Packing Methords
def log(self):
    self.username.set('')
    self.password.set('')
    self.crf.pack_forget()
    self.head['text'] = 'Login'
    self.logf.pack()
def cr(self):
    self.n_username.set('')
    self.n_password.set('')
    self.logf.pack_forget()
    self.head['text'] = 'Create Account'
    self.crf.pack()
```

```
    #Draw Widgets
    def widgets(self):
        self.head = Label(self.master,text = 'Login Panel',font = ('',30),pady = 10)
        self.head.pack()
        self.logf = Frame(self.master,padx =10,pady = 10)
        Label(self.logf,text = 'Username: ',font = ('',20),pady=5,padx=5).grid(sticky = W)
        Entry(self.logf,textvariable = self.username,font = ('',15)).grid(row=0,column=1)
        Label(self.logf,text = 'Password: ',font = ('',20),pady=5,padx=5).grid(sticky = W)
        Entry(self.logf,textvariable = self.password,font = ('',15),show = '*').grid(row=1,column=1)
        Button(self.logf,text = ' Login ',bd = 3 ,font = ('',15),padx=5,pady=5,command=self.login).grid()
        Button(self.logf,text = ' Create Account ',bd = 3 ,font = ('',15),padx=5,pady=5,command=self.cr).grid(row=2,column=1)
        self.logf.pack()

        self.crf = Frame(self.master,padx =10,pady = 10)
        Label(self.crf,text = 'Username: ',font = ('',20),pady=5,padx=5).grid(sticky = W)
        Entry(self.crf,textvariable = self.n_username,font = ('',15)).grid(row=0,column=1)
        Label(self.crf,text = 'Password: ',font = ('',20),pady=5,padx=5).grid(sticky = W)
        Entry(self.crf,textvariable = self.n_password,font = ('',15),show = '*').grid(row=1,column=1)
        Button(self.crf,text = 'Create Account',bd = 3 ,font = ('',15),padx=5,pady=5,command=self.new_user).grid()
        Button(self.crf,text = 'Go to Login',bd = 3 ,font = ('',15),padx=5,pady=5,command=self.log).grid(row=2,column=1)
```

```
class travel:

    def __init__(self,root):
        self.root = root
        self.root.title("Cab Booking System")
        self.root.geometry(geometry)
        self.root.configure(background='black')

        DateofOrder=StringVar()
        DateofOrder.set(time.strftime(" %d / %m / %Y "))
        Receipt_Ref=StringVar()
        PaidTax=StringVar()
        SubTotal=StringVar()
        TotalCost=StringVar()

        var1=IntVar()
        var2=IntVar()
        var3=IntVar()
        var4=IntVar()
        journeyType=IntVar()
        carType=IntVar()

        varl1=StringVar()
        varl2=StringVar()
        varl3=StringVar()
        reset_counter=0
```

```
        Firstname=StringVar()
        Surname=StringVar()
        Address=StringVar()
        Postcode=StringVar()
        Mobile=StringVar()
        Telephone=StringVar()
        Email=StringVar()

        CabTax=StringVar()
        Km=StringVar()
        Travel_Ins=StringVar()
        Luggage=StringVar()
        Receipt=StringVar()


        Standard=StringVar()
        FordGalaxy=StringVar()
        FordMondeo=StringVar()


        CabTax.set("0")
        Km.set("0")
        Travel_Ins.set("0")
        Luggage.set("0")


        Standard.set("0")
        FordGalaxy.set("0")
        FordMondeo.set("0")
```

```
166         def iExit():
167             iExit= ms.askyesno("Prompt!","Do you want to exit?")
168             if iExit > 0:
169                 root.destroy()
170                 return
171 
172         def Reset():
173             CabTax.set("0")
174             Km.set("0")
175             Travel_Ins.set("0")
176             Luggage.set("0")
177 
178             Standard.set("0")
179             FordGalaxy.set("0")
180             FordMondeo.set("0")
181 
182             Firstname.set("")
183             Surname.set("")
184             Address.set("")
185             Postcode.set("")
186             Mobile.set("")
187             Telephone.set("")
188             Email.set("")
189 
190             PaidTax.set("")
191             SubTotal.set("")
192             TotalCost.set("")
193             self.txtReceipt1.delete("1.0",END)
194             self.txtReceipt2.delete("1.0",END)
```

```
195 
196                 var1.set(0)
197                 var2.set(0)
198                 var3.set(0)
199                 var4.set(0)
200                 journeyType.set(0)
201                 carType.set(0)
202                 varl1.set("0")
203                 varl2.set("0")
204                 varl3.set("0")
205 
206                 self.cboPickup.current(0)
207                 self.cboDrop.current(0)
208                 self.cboPooling.current(0)
209 
210                 self.txtCabTax.configure(state=DISABLED)
211                 self.txtKm.configure(state=DISABLED)
212                 self.txtTravel_Ins.configure(state=DISABLED)
213                 self.txtLuggage.configure(state=DISABLED)
214 
215                 self.txtStandard.configure(state=DISABLED)
216                 self.txtFordGalaxy.configure(state=DISABLED)
217                 self.txtFordMondeo.configure(state=DISABLED)
218                 self.reset_counter=1
```

```
220         def Receiptt():
221             if reset_counter == 0 and Firstname.get()!="" and Surname.get()!="" and Address.get()!="" and Postcode.get()!="" and Mobile.get
222                 self.txtReceipt1.delete("1.0",END)
223                 self.txtReceipt2.delete("1.0",END)
224                 x=random.randint(10853,500831)
225                 randomRef = str(x)
226                 Receipt_Ref.set(randomRef)
227 
228                 self.txtReceipt1.insert(END,"Receipt Ref:\n")
229                 self.txtReceipt2.insert(END, Receipt_Ref.get() + "\n")
230                 self.txtReceipt1.insert(END,'Date:\n')
231                 self.txtReceipt2.insert(END, DateofOrder.get() + "\n")
232                 self.txtReceipt1.insert(END,'Cab No:\n')
233                 self.txtReceipt2.insert(END, 'TR ' + Receipt_Ref.get() + " BW\n")
234                 self.txtReceipt1.insert(END,'Firstname:\n')
235                 self.txtReceipt2.insert(END, Firstname.get() + "\n")
236                 self.txtReceipt1.insert(END,'Surname:\n')
237                 self.txtReceipt2.insert(END, Surname.get() + "\n")
238                 self.txtReceipt1.insert(END,'Address:\n')
239                 self.txtReceipt2.insert(END, Address.get() + "\n")
240                 self.txtReceipt1.insert(END,'Postal Code:\n')
241                 self.txtReceipt2.insert(END, Postcode.get() + "\n")
242                 self.txtReceipt1.insert(END,'Telephone:\n')
243                 self.txtReceipt2.insert(END, Telephone.get() + "\n")
244                 self.txtReceipt1.insert(END,'Mobile:\n')
245                 self.txtReceipt2.insert(END, Mobile.get() + "\n")
246                 self.txtReceipt1.insert(END,'Email:\n')
247                 self.txtReceipt2.insert(END, Email.get() + "\n")
248                 self.txtReceipt1.insert(END,'From:\n')
249                 self.txtReceipt2.insert(END, var11.get() + "\n")
```

```
241                 self.txtReceipt2.insert(END, Postcode.get() + "\n")
242                 self.txtReceipt1.insert(END,'Telephone:\n')
243                 self.txtReceipt2.insert(END, Telephone.get() + "\n")
244                 self.txtReceipt1.insert(END,'Mobile:\n')
245                 self.txtReceipt2.insert(END, Mobile.get() + "\n")
246                 self.txtReceipt1.insert(END,'Email:\n')
247                 self.txtReceipt2.insert(END, Email.get() + "\n")
248                 self.txtReceipt1.insert(END,'From:\n')
249                 self.txtReceipt2.insert(END, var11.get() + "\n")
250                 self.txtReceipt1.insert(END,'To:\n')
251                 self.txtReceipt2.insert(END, var12.get() + "\n")
252                 self.txtReceipt1.insert(END,'Pooling:\n')
253                 self.txtReceipt2.insert(END, var13.get() + "\n")
254                 self.txtReceipt1.insert(END,'Standard:\n')
255                 self.txtReceipt2.insert(END, Standard.get() + "\n")
256                 self.txtReceipt1.insert(END,'Prime Sedan:\n')
257                 self.txtReceipt2.insert(END, FordGalaxy.get() + "\n")
258                 self.txtReceipt1.insert(END,'Premium Sedan:\n')
259                 self.txtReceipt2.insert(END, FordMondeo.get() + "\n")
260                 self.txtReceipt1.insert(END,'Paid:\n')
261                 self.txtReceipt2.insert(END, PaidTax.get() + "\n")
262                 self.txtReceipt1.insert(END,'SubTotal:\n')
263                 self.txtReceipt2.insert(END, str(SubTotal.get()) + "\n")
264                 self.txtReceipt1.insert(END,'Total Cost:\n')
265                 self.txtReceipt2.insert(END, str(TotalCost.get()))
266 
267             else:
268                 self.txtReceipt1.delete("1.0",END)
269                 self.txtReceipt2.delete("1.0",END)
270                 self.txtReceipt1.insert(END,"\nNo Input")
```

```
    def Cab_Tax():
        global Item1
        if var1.get() == 1:
            self.txtCabTax.configure(state = NORMAL)
            Item1=float(50)
            CabTax.set("Rs " + str(Item1))
        elif var1.get() == 0:
            self.txtCabTax.configure(state=DISABLED)
            CabTax.set("0")
            Item1=0


    def Kilo():
        if var2.get() == 0:
            self.txtKm.configure(state=DISABLED)
            Km.set("0")
        elif var2.get() == 1 and var1.get() != "" and var2.get() != "":
            self.txtKm.configure(state=NORMAL)
            if var1.get() == "LPU GATE":
                switch ={"LPU ground": 10,"Department of CSE": 8,"UNI hospital":6,"LPU GATE": 0}
                Km.set(switch[var2.get()])
            elif var1.get() == "LPU ground":
                switch ={"LPU ground": 0,"Department of CSE": 2,"UNI hospital":5,"LPU GATE": 10}
                Km.set(switch[var2.get()])
            elif var1.get() == "Department of CSE":
                switch ={"LPU ground": 2,"Department of CSE": 0,"UNI hospital":3,"LPU GATE": 8}
                Km.set(switch[var2.get()])
            elif var1.get() == "UNI hospital":
                switch ={"LPU ground": 5,"Department of CSE": 3,"UNI hospital":0,"LPU GATE": 6}
                Km.set(switch[var2.get()])
```

```
def Travelling():
    global Item3
    if var3.get() == 1:
        self.txtTravel_Ins.configure(state = NORMAL)
        Item3=float(10)
        Travel_Ins.set("Rs " + str(Item3))
    elif var3.get() == 0:
        self.txtTravel_Ins.configure(state = DISABLED)
        Travel_Ins.set("0")
        Item3=0


def Lug():
    global Item4
    if (var4.get()==1):
        self.txtLuggage.configure(state = NORMAL)
        Item4=float(30)
        Luggage.set("Rs "+ str(Item4))
    elif var4.get()== 0:
        self.txtLuggage.configure(state = DISABLED)
        Luggage.set("0")
        Item4=0
```

```
def selectCar():
    global Item5
    if carType.get() == 1:
        self.txtFordGalaxy.configure(state = DISABLED)
        FordGalaxy.set("0")
        self.txtFordMondeo.configure(state = DISABLED)
        FordMondeo.set("0")
        self.txtStandard.configure(state = NORMAL)
        Item5 = float(8)
        Standard.set("Rs "+ str(Item5))
    elif carType.get() == 2:
        self.txtStandard.configure(state =DISABLED)
        Standard.set("0")
        self.txtFordMondeo.configure(state = DISABLED)
        FordMondeo.set("0")
        self.txtFordGalaxy.configure(state = NORMAL)
        Item5 = float(15)
        FordGalaxy.set("Rs "+ str(Item5))
    else:
        self.txtStandard.configure(state =DISABLED)
        Standard.set("0")
        self.txtFordGalaxy.configure(state = DISABLED)
        FordGalaxy.set("0")
        self.txtFordMondeo.configure(state = NORMAL)
        Item5 = float(22)
        FordMondeo.set("Rs "+ str(Item5))
```

```
def Total_Paid():
    if ((var1.get() == 1 and var2.get() == 1 and var3.get() == 1 or var4.get() == 1) and carType.get() != 0 and journeyType.get() !
        if journeyType.get()==1:
            Item2=Km.get()
            Cost_of_fare = (Item1+(float(Item2)*Item5)+Item3+Item4)

            Tax = "Rs " + str('%.2f'%((Cost_of_fare) *0.09))
            ST = "Rs " + str('%.2f'%((Cost_of_fare)))
            TT = "Rs " + str('%.2f'%(Cost_of_fare+((Cost_of_fare)*0.9)))
        elif journeyType.get()==2:
            Item2=Km.get()
            Cost_of_fare = (Item1+(float(Item2)*Item5)*1.5+Item3+Item4)

            Tax = "Rs " + str('%.2f'%((Cost_of_fare) *0.09))
            ST = "Rs " + str('%.2f'%((Cost_of_fare)))
            TT = "Rs " + str('%.2f'%(Cost_of_fare+((Cost_of_fare)*0.9)))
        else:
            Item2=Km.get()
            Cost_of_fare = (Item1+(float(Item2)*Item5)*2+Item3+Item4)

            Tax = "Rs " + str('%.2f'%((Cost_of_fare) *0.09))
            ST = "Rs " + str('%.2f'%((Cost_of_fare)))
            TT = "Rs " + str('%.2f'%(Cost_of_fare+((Cost_of_fare)*0.9)))

        PaidTax.set(Tax)
        SubTotal.set(ST)
        TotalCost.set(TT)
    else:
        w = ms.showwarning("Error !","Invalid Input\nPlease try again !!!")
```

```
#=============================================mainframe=============================================================

    MainFrame=Frame(self.root)
    MainFrame.pack(fill=BOTH,expand=True)

    Tops = Frame(MainFrame, bd=10, width=1350,relief=RIDGE)
    Tops.pack(side=TOP,fill=BOTH)

    self.lblTitle=Label(Tops,font=('arial',50,'bold'),text="\t   Cab Booking System ")
    self.lblTitle.grid()

#=============================================customerframedetail=====================================================
    CustomerDetailsFrame=LabelFrame(MainFrame, width=1350,height=500, pady=5, relief=RIDGE)
    CustomerDetailsFrame.pack(side=BOTTOM,fill=BOTH,expand=True)

    FrameDetails=Frame(CustomerDetailsFrame, width=880,height=400, relief=RIDGE)
    FrameDetails.pack(side=LEFT,fill=BOTH,expand=True)

    CustomerName=LabelFrame(FrameDetails, width=300,height=300,font=('arial',12,'bold'),text="Customer Info", relief=RIDGE)
    CustomerName.grid(row=0,column=0)

    TravelFrame = LabelFrame(FrameDetails, width=300,height=250, font=('arial',12,'bold'),text="Booking Detail", relief=RIDGE)
    TravelFrame.grid(row=0,column=1)

    Book_Frame=LabelFrame(FrameDetails,width=300,height=150,relief=FLAT)
    Book_Frame.grid(row=1,column=0)

    CostFrame = LabelFrame(FrameDetails,width=150,height=150,bd=5,relief=FLAT)
    CostFrame.grid(row=1,column=1)
```

```
#=============================================recipt=====================================================
    Receipt_BottonFrame=LabelFrame(CustomerDetailsFrame, width=450,height=400, relief=RIDGE)
    Receipt_BottonFrame.pack(side=RIGHT,fill=BOTH,expand=True)

    ReceiptFrame=LabelFrame(Receipt_BottonFrame, width=350,height=300, font=('arial',12,'bold'),text="Receipt", relief=RIDGE)
    ReceiptFrame.grid(row=0,column=0)

    ButtonFrame=LabelFrame(Receipt_BottonFrame, width=350,height=100, relief=RIDGE)
    ButtonFrame.grid(row=1,column=0)
#=============================================CustomerName=====================================================
```

```
        self.lblFirstname=Label(CustomerName,font=('arial',14,'bold'),text="Firstname")
        self.lblFirstname.grid(row=0,column=0,sticky=W)
        self.txtFirstname=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Firstname,insertwidth=2,justify=RIGHT)
        self.txtFirstname.grid(row=0,column=1)


        self.lblSurname=Label(CustomerName,font=('arial',14,'bold'),text="Surname")
        self.lblSurname.grid(row=1,column=0,sticky=W)
        self.txtSurname=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Surname,insertwidth=2,justify=RIGHT)
        self.txtSurname.grid(row=1,column=1,sticky=W)


        self.lblAddress=Label(CustomerName,font=('arial',14,'bold'),text="Address",bd=7)
        self.lblAddress.grid(row=2,column=0,sticky=W)
        self.txtAddress=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Address,insertwidth=2,justify=RIGHT)
        self.txtAddress.grid(row=2,column=1)


        self.lblPostcode=Label(CustomerName,font=('arial',14,'bold'),text="Postcode")
        self.lblPostcode.grid(row=3,column=0,sticky=W)
        self.txtPostcode=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Postcode,insertwidth=2,justify=RIGHT)
        self.txtPostcode.grid(row=3,column=1)


        self.lblTelephone=Label(CustomerName,font=('arial',14,'bold'),text="Telephone")
        self.lblTelephone.grid(row=4,column=0,sticky=W)
        self.txtTelephone=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Telephone,insertwidth=2,justify=RIGHT)
        self.txtTelephone.grid(row=4,column=1)
```

```
        self.lblTelephone=Label(CustomerName,font=('arial',14,'bold'),text="Telephone")
        self.lblTelephone.grid(row=4,column=0,sticky=W)
        self.txtTelephone=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Telephone,insertwidth=2,justify=RIGHT)
        self.txtTelephone.grid(row=4,column=1)

        self.lblMobile=Label(CustomerName,font=('arial',14,'bold'),text="Mobile")
        self.lblMobile.grid(row=5,column=0,sticky=W)
        self.txtMobile=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Mobile,insertwidth=2,justify=RIGHT)
        self.txtMobile.grid(row=5,column=1)

        self.lblEmail=Label(CustomerName,font=('arial',14,'bold'),text="Email")
        self.lblEmail.grid(row=6,column=0,sticky=W)
        self.txtEmail=Entry(CustomerName,font=('arial',14,'bold'),textvariable=Email,insertwidth=2,justify=RIGHT)
        self.txtEmail.grid(row=6,column=1)
```

```
#=============================================Cab Information=================================================================
    self.lblPickup=Label(TravelFrame,font=('arial',14,'bold'),text="Pickup")
    self.lblPickup.grid(row=0,column=0,sticky=W)

    self.cboPickup =ttk.Combobox(TravelFrame, textvariable = varl1 , state='readonly', font=('arial',20,'bold'), width=14)
    self.cboPickup['value']=('','LPU GATE','UNI hospital','Department of CSE','LPU ground')
    self.cboPickup.current(0)
    self.cboPickup.grid(row=0,column=1)


    self.lblDrop=Label(TravelFrame,font=('arial',14,'bold'),text="Drop")
    self.lblDrop.grid(row=1,column=0,sticky=W)

    self.cboDrop =ttk.Combobox(TravelFrame, textvariable = varl2 , state='readonly', font=('arial',20,'bold'), width=14)
    self.cboDrop['value']=('','LPU ground','Department of CSE','LPU GATE','UNI hospital')
    self.cboDrop.current(0)
    self.cboDrop.grid(row=1,column=1)

    self.lblPooling=Label(TravelFrame,font=('arial',14,'bold'),text="Pooling")
    self.lblPooling.grid(row=2,column=0,sticky=W)

    self.cboPooling =ttk.Combobox(TravelFrame, textvariable = varl3 , state='readonly', font=('arial',20,'bold'), width=14)
    self.cboPooling['value']=('','1','2','3','4')
    self.cboPooling.current(1)
    self.cboPooling.grid(row=2,column=1)
```

```
#=============================================Cab Information=================================================================

    self.chkCabTax=Checkbutton(TravelFrame,text="Base Charge *",variable = var1, onvalue=1, offvalue=0,font=('arial',16,'bold'),command
    self.txtCabTax=Label(TravelFrame,font=('arial',14,'bold'),textvariable=CabTax,width=18,bg="white",state= DISABLED,justify=RIGHT,rel
    self.txtCabTax.grid(row=3,column=1)


    self.chkKm=Checkbutton(TravelFrame,text="Distance(KMs) *",variable = var2, onvalue=1, offvalue=0,font=('arial',16,'bold'),command=K
    self.txtKm=Label(TravelFrame,font=('arial',14,'bold'),textvariable=Km,width=18,bg="white",state= DISABLED,justify=RIGHT,relief=SUNK
    self.txtKm.grid(row=4,column=1)

    self.chkTravel_Ins=Checkbutton(TravelFrame,text="Travelling Insurance *",variable = var3, onvalue=1, offvalue=0,font=('arial',16,'b
    self.txtTravel_Ins=Label(TravelFrame,font=('arial',14,'bold'),textvariable=Travel_Ins,width=18,bg="white",state= DISABLED,justify=R
    self.txtTravel_Ins.grid(row=5,column=1)


    self.chkLuggage=Checkbutton(TravelFrame,text="Extra Luggage",variable = var4, onvalue=1, offvalue=0,font=('arial',16,'bold'),comman
    self.txtLuggage=Label(TravelFrame,font=('arial',14,'bold'),textvariable=Luggage,width=18,bg="white",state= DISABLED,justify=RIGHT,r
    self.txtLuggage.grid(row=6,column=1)
```

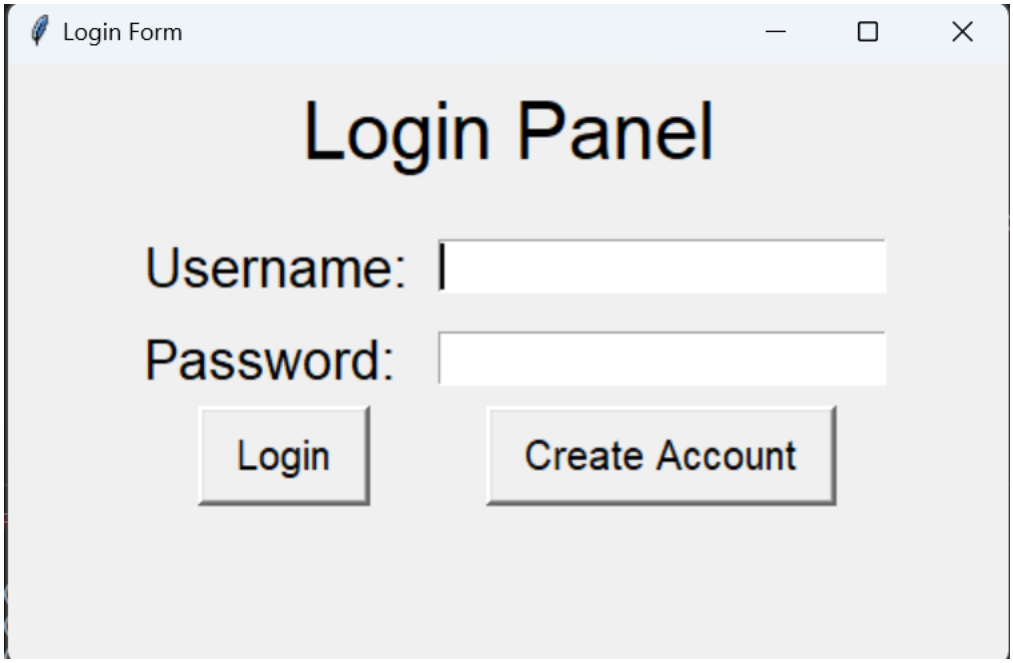
```
#================================payment information ==========================================================================

    self.lblPaidTax=Label(CostFrame,font=('arial',14,'bold'),text="Paid Tax\t\t")
    self.lblPaidTax.grid(row=0,column=2,sticky=W)
    self.txtPaidTax = Label(CostFrame,font=('arial',14,'bold'),textvariable=PaidTax, width=10, justify=RIGHT,bg="white",relief=SUNKEN)
    self.txtPaidTax.grid(row=0,column=3)



    self.lblSubTotal=Label(CostFrame,font=('arial',14,'bold'),text="Sub Total")
    self.lblSubTotal.grid(row=1,column=2,sticky=W)
    self.txtSubTotal = Label(CostFrame,font=('arial',14,'bold'),textvariable=SubTotal, width=10, justify=RIGHT,bg="white",relief=SUNKEN
    self.txtSubTotal.grid(row=1,column=3)



    self.lblTotalCost=Label(CostFrame,font=('arial',14,'bold'),text="Total Cost")
    self.lblTotalCost.grid(row=2,column=2,sticky=W)
    self.txtTotalCost = Label(CostFrame,font=('arial',14,'bold'),textvariable=TotalCost, width=10, justify=RIGHT,bg="white",relief=SUNK
    self.txtTotalCost.grid(row=2,column=3)
```

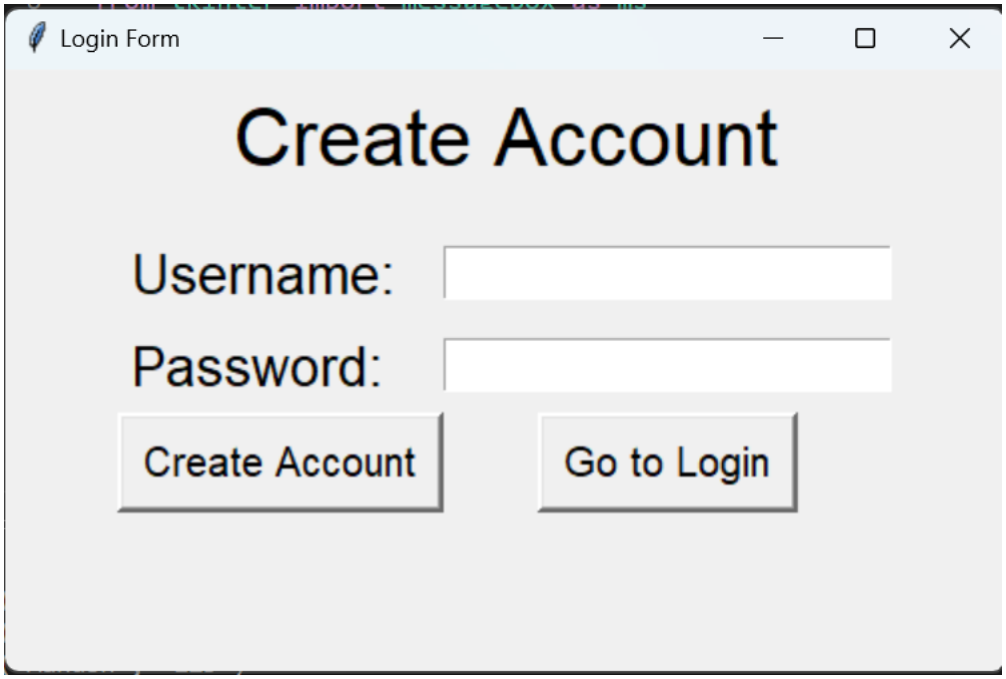
```
#=========================================================Cabselect=========================================================

    self.chkStandard=Radiobutton(Book_Frame,text="Standard Cab",value=1,variable = carType,font=('arial',14,'bold'),command=selectCar).
    self.txtStandard = Label(Book_Frame,font=('arial',14,'bold'),width =7,textvariable=Standard, state= DISABLED, justify=RIGHT,bg="whi
    self.txtStandard.grid(row=0,column=1)


    self.chkFordGalaxyd=Radiobutton(Book_Frame,text="Ford Galaxy Cab",value=2,variable = carType,font=('arial',14,'bold'),command=selec
    self.txtFordGalaxy= Label(Book_Frame,font=('arial',14,'bold'),width =7,textvariable=FordGalaxy, state= DISABLED, justify=RIGHT,bg="
    self.txtFordGalaxy.grid(row=1,column=1)


    self.chkFordMondeo = Radiobutton(Book_Frame,text="Ford Mondeo Cab",value=3,variable = carType,font=('arial',14,'bold'),command=sele
    self.txtFordMondeo = Label(Book_Frame,font=('arial',14,'bold'),width =7,textvariable=FordMondeo, state= DISABLED, justify=RIGHT,bg=
    self.txtFordMondeo.grid(row=2,column=1)

    self.chkSingle =Radiobutton(Book_Frame,text="Single",value=1,variable = journeyType,font=('arial',14,'bold')).grid(row=0, column=2,
    self.chkReturn =Radiobutton(Book_Frame,text="Return",value=2,variable = journeyType,font=('arial',14,'bold')).grid(row=1, column=2,
    self.chkSpecialsNeeds =Radiobutton(Book_Frame,text="SpecialNeeds",value=3,variable = journeyType,font=('arial',14,'bold')).grid(row


#=====================================Receipt=============================================================================

    self.txtReceipt1 = Text(ReceiptFrame,width = 22, height = 21,font=('arial',10,'bold'),borderwidth=0)
    self.txtReceipt1.grid(row=0,column=0,columnspan=2)
    self.txtReceipt2 = Text(ReceiptFrame,width = 22, height = 21,font=('arial',10,'bold'),borderwidth=0)
    self.txtReceipt2.grid(row=0,column=2,columnspan=2)
```

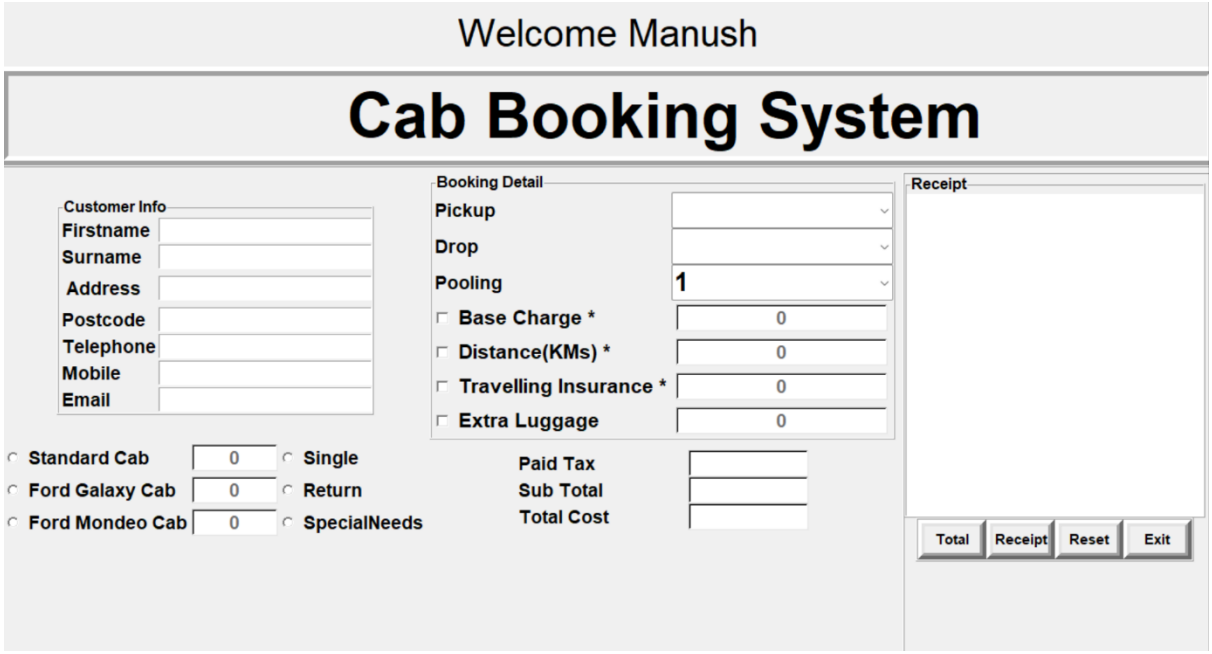
```
#=====================================Button=============================================================================

    self.btnTotal = Button(ButtonFrame,padx=18,bd=7,font=('arial',11,'bold'),width = 2,text='Total',command=Total_Paid).grid(row=0,colu
    self.btnReceipt = Button(ButtonFrame,padx=18,bd=7,font=('arial',11,'bold'),width = 2,text='Receipt',command=Receiptt).grid(row=0,co
    self.btnReset = Button(ButtonFrame,padx=18,bd=7,font=('arial',11,'bold'),width = 2,text='Reset',command=Reset).grid(row=0,column=2)
    self.btnExit = Button(ButtonFrame,padx=18,bd=7,font=('arial',11,'bold'),width = 2,text='Exit', command=iExit).grid(row=0,column=3)

#=========================================================================================================================


if __name__=='__main__':
    root = Tk()

    #========================================= Getting Screen Width ==========================================================
    w = root.winfo_screenwidth()
    h = root.winfo_screenheight()
    geometry="%dx%d+%d+%d"%(w,h,0,0)

    root.geometry("500x300+320+200")
    root.title('Login Form')
    application = user(root)
    root.mainloop()
```

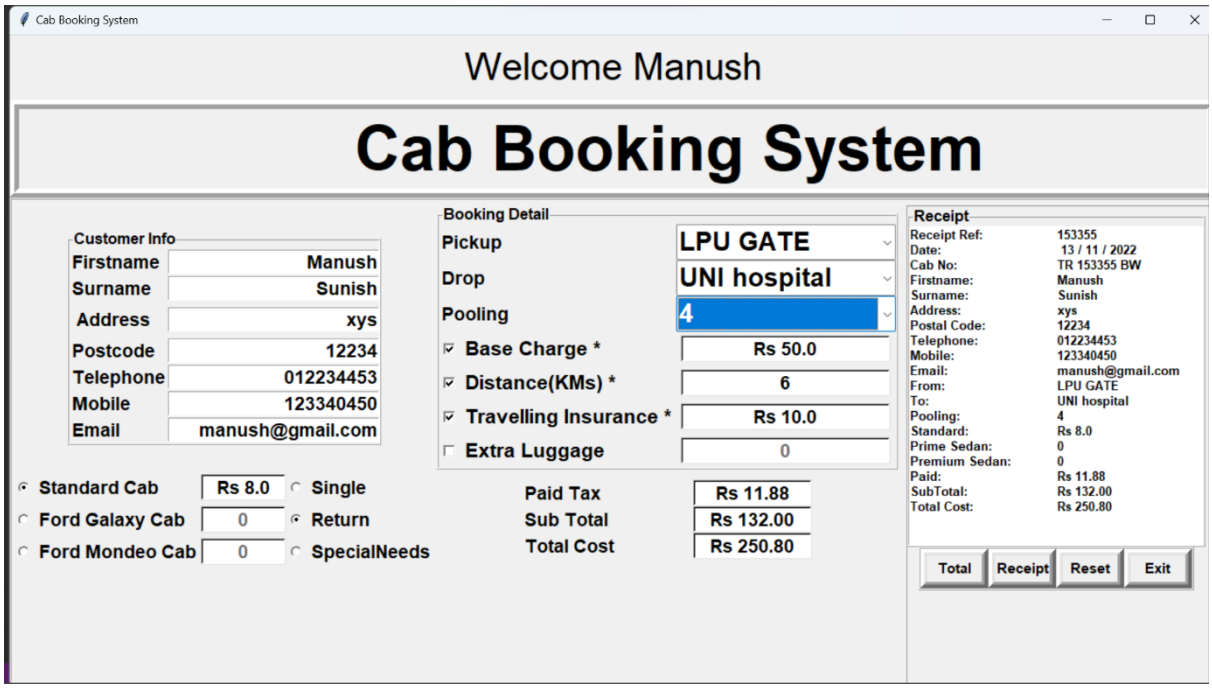
https://drive.google.com/drive/folders/1hHvvn1O2YjU2H6HD-7bRF-FE6KRiA32H?usp=sharing

SCREENSHOTS






Welcome Manush
Cab Booking System
Customer Info
Firstname
Surname
Address
Postcode
Telephone
Mobile
Email
Booking Detail
Pickup
Drop
Pooling
1
Base Charge *
Distance(KMs) *
Travelling Insurance *
Extra Luggage
0
Standard Cab
Ford Galaxy Cab
Ford Mondeo Cab
Single
Return
SpecialNeeds
Paid Tax
Sub Total
Total Cost
Receipt
Total
Receipt
Reset
Exit


Cab Booking System
Welcome Manush
Cab Booking System
Customer Info
Firstname Manush
Surname Sunish
Address xys
Postcode 12234
Telephone 012234453
Mobile 123340450
Email manush@gmail.com
Booking Detail
Pickup LPU GATE
Drop UNI hospital
Pooling 4
Base Charge * Rs 50.0
Distance(KMs) * 6
Travelling Insurance * Rs 10.0
Extra Luggage 0
Standard Cab Rs 8.0
Ford Galaxy Cab 0
Ford Mondeo Cab 0
Single
Return
SpecialNeeds
Paid Tax Rs 11.88
Sub Total Rs 132.00
Total Cost Rs 250.80
Receipt
Receipt Ref: 153355
Date: 13 / 11 / 2022
Cab No: TR 153355 BW
Firstname: Manush
Surname: Sunish
Address: xys
Postal Code: 12234
Telephone: 012234453
Mobile: 123340450
Email: manush@gmail.com
From: LPU GATE
To: UNI hospital
Pooling: 4
Standard: Rs 8.0
Prime Sedan: 0
Premium Sedan: 0
Paid: Rs 11.88
SubTotal: Rs 132.00
Total Cost: Rs 250.80
Total
Receipt
Reset
Exit

CONCLUSION

In this project we provided a sign-up login option which is followed by a CAB booking interface which can be used to book cabs within LPU. Many required information are taken followed by which the price for the ride is also calculated and shown. It also provides a receipt for legitimacy and proof. This application can be further upgraded and in future may be part of an amazing technology.

REFERENCE

https://datacarpentry.org/python-ecology-lesson/09-working-with-sql/index.html

www.google.com

https://docs.python.org/3/library/tkinter.html