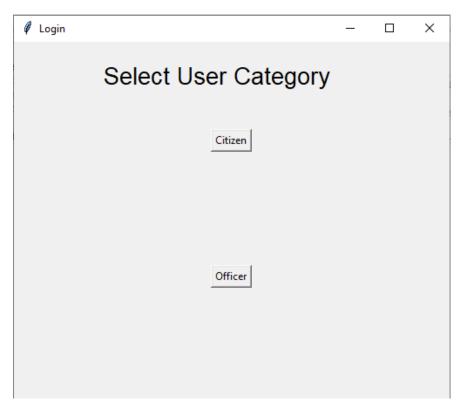
"The Road to development, removing one pothole at a time"

Project screenshots

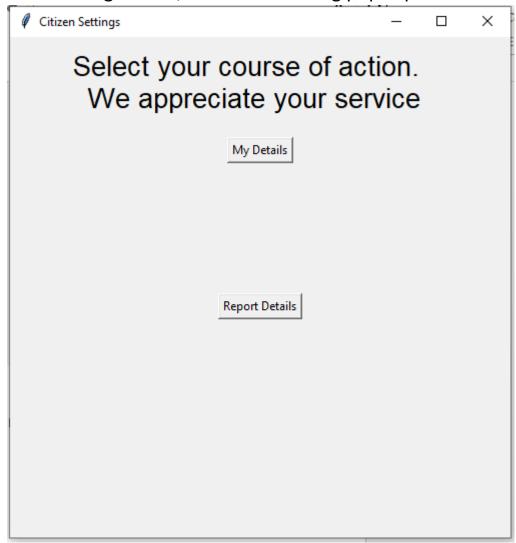
The following window appears on running the program



The user is allowed to select their role.

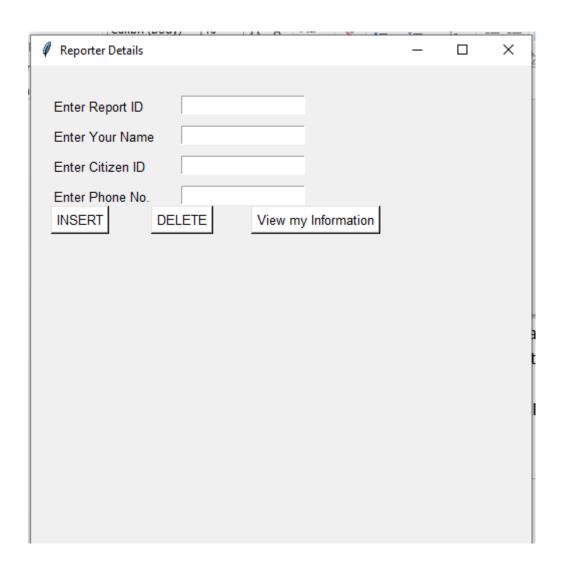
I. <u>Citizen:</u>

On selecting Citizen, the citizen setting pops up.



The citizen is allowed to select their personal details or the details of their report.

On selecting "My details", the following window appears:



The user can Insert, Delete or View their information.

This is a sample report table. Data can be inserted.

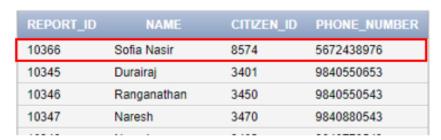
REPORT_ID	NAME	CITIZEN_ID	PHONE_NUMBER
10345	Durairaj	3401	9840550653
10346	Ranganathan	3450	9840550543
10347	Naresh	3470	9840880543
10348	Naresh	3402	9840770543
10349	Nirmala Devi	3412	9860220543
10350	Arun Pandian	3423	9840220641
10351	Harrish	3434	9860220641
10352	Subramani	3490	974563490
10354	Priya Dharshini	5470	9840440548
10355	Vijay Deva	5500	9789440548
10356	Amudhavali	5700	8569440548
10357	Jovan Christopher	5756	7899440548
10358	Venkataesan	5789	9809440548
10359	Amudhan	5790	9082345670
10360	Rida	5790	9082345670
10362	Priyanka	5790	9082345670
10363	Aaryan	5790	9082345670
10364	Vishal Deva	5500	9789440548
10365	Milind Kumar	5670	9987645780

Reporter Details			_	×
Enter Report ID	10366			
Enter Your Name	Sofia Nasir			
Enter Citizen ID	8574			
Enter Phone No.	5672438976			
INSERT DE	LETE	View my Information		

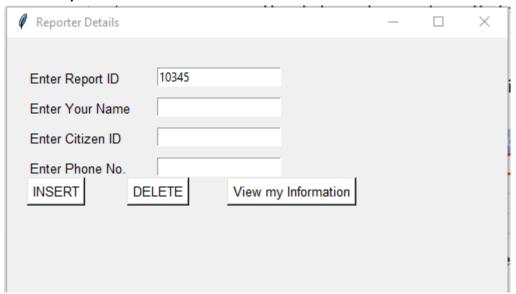


This dialogue box confirms that the details have been inserted successfully.

This record can then be viewed in the report table:



Similarly data can also be deleted:





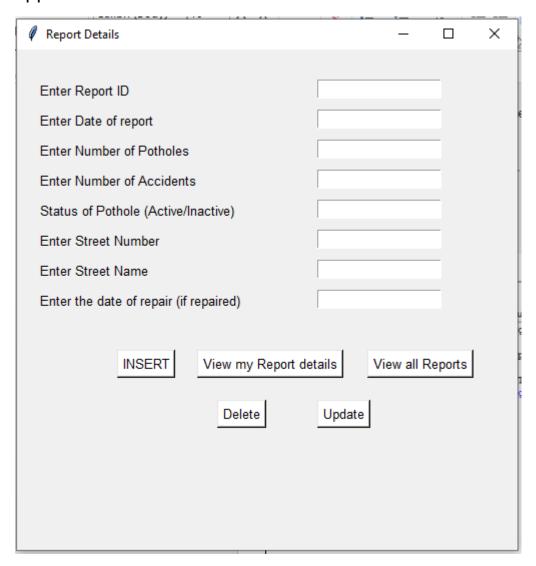
The record with ID number 10345 is hence deleted

REPORT_ID	NAME	CITIZEN_ID	PHONE_NUMBER
10366	Sofia Nasir	8574	5672438976
10346	Ranganathan	3450	9840550543
10347	Naresh	3470	9840880543
10348	Naresh	3402	9840770543
10349	Nirmala Devi	3412	9860220543
10350	Arun Pandian	3423	9840220641
10351	Harrish	3434	9860220641
10352	Subramani	3490	974563490
10354	Priya Dharshini	5470	9840440548
10355	Vijay Deva	5500	9789440548
10356	Amudhavali	5700	8569440548
10357	Jovan Christopher	5756	7899440548
10358	Venkataesan	5789	9809440548
10359	Amudhan	5790	9082345670
10360	Rida	5790	9082345670
10362	Priyanka	5790	9082345670
10363	Aaryan	5790	9082345670
10364	Vishal Deva	5500	9789440548
10365	Milind Kumar	5670	9987645780

Citizens can also view their information:



If the citizens select "Report details" the following window appears:

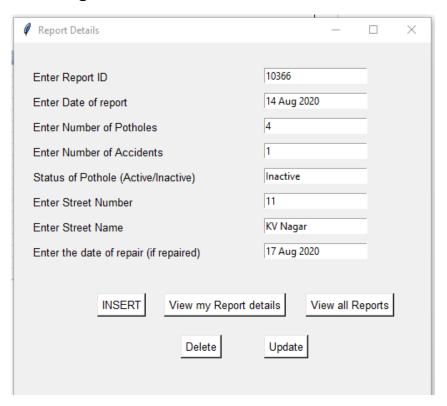


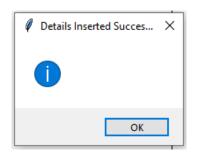
The citizens are thus allowed to insert report details, view their report details, view details of all reports, delete their records or update them.

Table report_details:

REPORT_ID	REPORT_DATE	POTHOLE_COUNT	ACCIDENTS	STATUS	STREET_NUMBER	STREET_NAME	REMOVED_DATE
10346	09/03/2021	9	0	Inactive	7	gandhi	-
10347	01/07/2020	15	6	Inactive	69	Om Street	09/04/2020
10348	02/03/2021	7	3	Inactive	63	Richi Street	10/01/2021
10349	05/12/2020	8	1	Inactive	60	Ramar Road	01/14/2021
10350	06/12/2020	10	0	Active	4	Nehru Street	-
10351	05/03/2020	8	0	Active	40	TNHB	-
10352	01/01/2020	2	0	Active	6	D block	-
10354	02/09/2021	2	9	Active	4	TNHB	-
10355	03/03/2021	8	0	Active	9	Patel Road	-
10356	06/06/2021	9	4	Inactive	5	Bankers Colony	07/06/2021
10357	05/05/2021	8	1	Active	6	Bankers Colony	-
10358	04/04/2021	4	0	Inactive	9	Taiolors Road	05/04/2021
10359	03/03/2021	6	3	Inactive	10	Kumari Street	05/04/2021
10359	03/03/2021	6	3	Inactive	10	Kumari Street	05/04/2021
10360	02/03/2021	10	5	Inactive	1	Kumran Street	05/03/2021
10362	12/01/2020	10	6	Inactive	30	Vaniyar Street	04/03/2021
10363	12/03/2020	10	5	Inactive	3	Murgan Street	03/03/2021
10364	10/03/2020	11	5	Inactive	2	Murgan Street	12/03/2021
10365	07/06/2020	2	3	Inactive	41	Padur	07/09/2020

Inserting records:





10363	12/03/2020	10	5	Inactive	3	Murgan Street 03/03/2021
10364	10/03/2020	11	5	Inactive	2	Murgan Street 12/03/2021
10366	08/14/2020	4	1	Inactive	11	KV Nagar 08/17/2020
10365	07/06/2020	2	3	Inactive	41	Padur 07/09/2020

Viewing my report details:

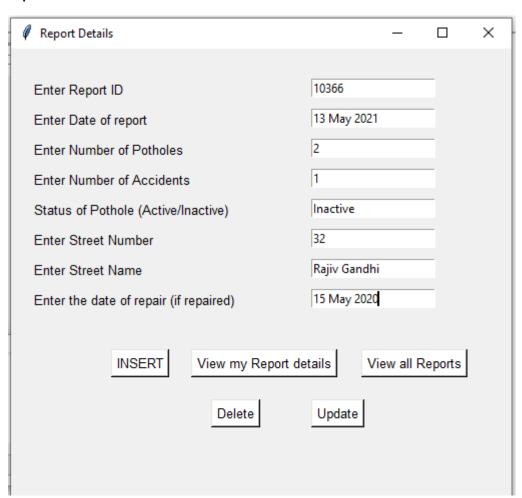
Report Details		_		×
Enter Report ID	10366			
Enter Date of report				
Enter Number of Potholes				
Enter Number of Accidents				
Status of Pothole (Active/Inactive)				
Enter Street Number				
Enter Street Name				
Enter the date of repair (if repaired)				
INSERT View my Report d	etails V	iew all R	eports	
Delete	Update			

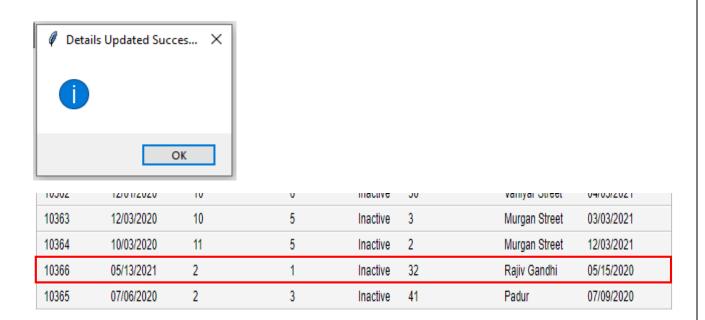
▶ *IDLE Shell 3.9.5* —]	X
File Edit Shell Debug Options Window Help		
Python 3.9.5 (tags/v3.9.5:0a7dcbd, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>>		^
======================================		

View all reports:

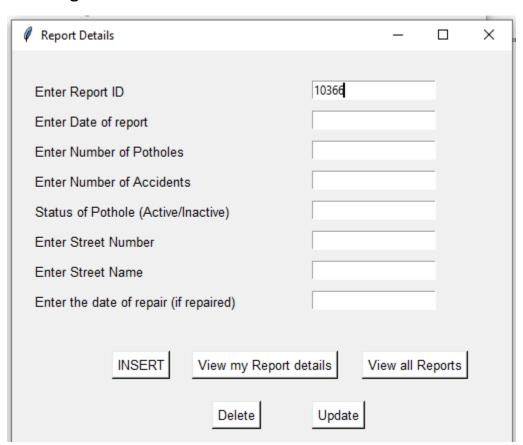
[(10346, datetime.datetime(2021, 9, 3, 0, 0), 9, 0, 'Inactive', 7, 'gandhi', None), (10347, datetime.datetime(2020, 1, 7, 0, 0), 15, 6, 'Inactive', 69, 'Om Street', datetime.datetime(2020, 9, 4, 0, 0)), (10348, datetime.datetime(2021, 2, 3, 0, 0), 7, 3, 'Inactive', 63, 'Richi Street', datetime.datetime(2021, 10, 1, 0, 0)), (10349, datetime.datetime(2020, 5, 12, 0, 0), 8, 1, 'Inactive', 60, 'Ramar Road', datetime.datetime(2021, 1, 14, 0, 0)), (10350, datetime.datetime(2020, 6, 12, 0, 0), 10, 0, 'Active', 4, 'Nehru Street', None) , (10351, datetime.datetime(2020, 5, 3, 0, 0), 8, 0, 'Active', 40, 'TNHB', None), (10352, datetime.datetime(2020, 1, 1, 0, 0), 2, 0, 'Active', 6, 'D block', None), (10354, datetime.datetime(2021, 2, 9, 0, 0), 2, 9, 'Active', 4, 'TNHB', None), (10355, datetime.dateti me(2021, 3, 3, 0, 0), 8, 0, 'Active', 9, 'Patel Road', None), (10356, datetime.datetime(2021, 6, 6, 0, 0), 9, 4, 'Inactive', 5, 'Bank ers Colony', datetime.datetime(2021, 7, 6, 0, 0)), (10357, datetime.datetime(2021, 5, 5, 0, 0), 8, 1, 'Active', 6, 'Bankers Colony', None), (10358, datetime.datetime(2021, 4, 4, 0, 0), 4, 0, 'Inactive', 9, 'Taiolors Road', datetime.datetime(2021, 5, 4, 0, 0)), (1035 9, datetime.datetime(2021, 3, 3, 0, 0), 6, 3, 'Inactive', 10, 'Kumari Street', datetime.datetime(2021, 5, 4, 0, 0)), (10359, datetime .datetime(2021, 3, 3, 0, 0), 6, 3, 'Inactive', 10, 'Kumari Street', datetime.datetime(2021, 5, 4, 0, 0)), (10360, datetime.datetime(2021, 5, 4, 0, 0)), (10360, datetime.datetime) 021, 2, 3, 0, 0), 10, 5, 'Inactive', 1, 'Kumran Street', datetime.datetime(2021, 5, 3, 0, 0)), (10362, datetime.datetime(2020, 12, 1, 0, 0), 10, 6, 'Inactive', 30, 'Vaniyar Street', datetime.datetime(2021, 4, 3, 0, 0)), (10363, datetime.datetime(2020, 12, 3, 0, 0), 1 0, 5, 'Inactive', 3, 'Murgan Street', datetime.datetime(2021, 3, 3, 0, 0)), (10364, datetime.datetime(2020, 10, 3, 0, 0), 11, 5, 'Ina ctive', 2, 'Murgan Street', datetime.datetime(2021, 12, 3, 0, 0)), (10366, datetime.datetime(2020, 8, 14, 0, 0), 4, 1, 'Inactive', 11 , 'KV Nagar', datetime.datetime(2020, 8, 17, 0, 0)), (10365, datetime.datetime(2020, 7, 6, 0, 0), 2, 3, 'Inactive', 41, 'Padur', date time.datetime(2020, 7, 9, 0, 0))]

Update data:





Deleting Data:



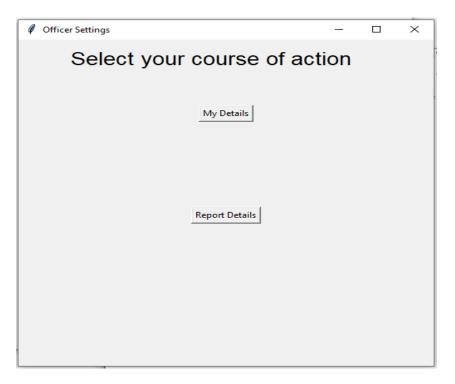


Record 10366 deted

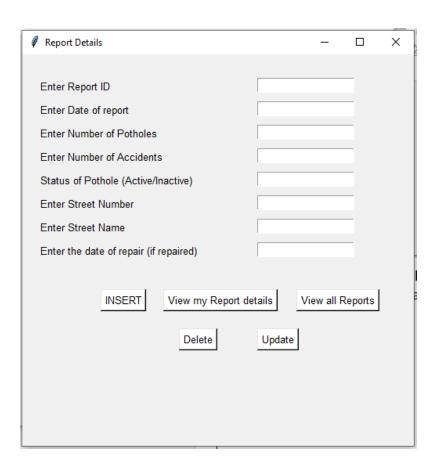
REPORT_ID	REPORT_DATE	POTHOLE_COUNT	ACCIDENTS	STATUS	STREET_NUMBER	STREET_NAME	REMOVED_DATE
10346	09/03/2021	9	0	Inactive	7	gandhi	-
10347	01/07/2020	15	6	Inactive	69	Om Street	09/04/2020
10348	02/03/2021	7	3	Inactive	63	Richi Street	10/01/2021
10349	05/12/2020	8	1	Inactive	60	Ramar Road	01/14/2021
10350	06/12/2020	10	0	Active	4	Nehru Street	-
10351	05/03/2020	8	0	Active	40	TNHB	-
10352	01/01/2020	2	0	Active	6	D block	-
10354	02/09/2021	2	9	Active	4	TNHB	-
10355	03/03/2021	8	0	Active	9	Patel Road	-
10356	06/06/2021	9	4	Inactive	5	Bankers Colony	07/06/2021
10357	05/05/2021	8	1	Active	6	Bankers Colony	-
10358	04/04/2021	4	0	Inactive	9	Taiolors Road	05/04/2021
10359	03/03/2021	6	3	Inactive	10	Kumari Street	05/04/2021
10359	03/03/2021	6	3	Inactive	10	Kumari Street	05/04/2021
10360	02/03/2021	10	5	Inactive	1	Kumran Street	05/03/2021
10362	12/01/2020	10	6	Inactive	30	Vaniyar Street	04/03/2021
10363	12/03/2020	10	5	Inactive	3	Murgan Street	03/03/2021
10364	10/03/2020	11	5	Inactive	2	Murgan Street	12/03/2021
10365	07/06/2020	2	3	Inactive	41	Padur	07/09/2020

II. Officer:

If the user selects 'Officer' while logging in, the following window appears:



Selecting Report Details allows the officer to access the same windows and options as the citizens:



If the officer selects "My details" the following window pops up:



Through this window officers can insert or delete data which will be reflected in the table: "Officer"

OFFICER_ID	OFFICER_NAME	PHONE_NUMBER
1096	Ritvik Brar	8870908741
1248	Karan Singh	9963578861
1435	Maithli Sharma	8093445623
1673	Joseph Lewis	9756743276
1598	Hiba Ali	7764588903
1274	Diksha Shetty	9763445678
1389	Akhil Gupta	7763345289
1743	Abhimanyu Singh	8897456678

Insert:





OFFICER_ID	OFFICER_NAME	PHONE_NUMBER
1096	Ritvik Brar	8870908741
1248	Karan Singh	9963578861
1435	Maithli Sharma	8093445623
1673	Joseph Lewis	9756743276
1598	Hiba Ali	7764588903
1274	Diksha Shetty	9763445678
1389	Akhil Gupta	7763345289
1368	Zoya Khot	9987469086
1743	Abhimanyu Singh	8897456678

Delete:





OFFICER_ID	OFFICER_NAME	PHONE_NUMBER
1096	Ritvik Brar	8870908741
1248	Karan Singh	9963578861
1435	Maithli Sharma	8093445623
1673	Joseph Lewis	9756743276
1274	Diksha Shetty	9763445678
1389	Akhil Gupta	7763345289
1368	Zoya Khot	9987469086
1743	Abhimanyu Singh	8897456678

Record 1598 deleted.

The officers can also view their details:

Officer Details			-		×	
Enter Officer ID		1743				
Enter Your Name						
Enter Phone No.						
INS	SERT I	DELETE				
_						
VIEW MY [DETAILS	VIEW MY RES	SPONSIE	ILITY		
VIEW ALL DUTIES						
y.	VILVV ALL D	01120				

Clicking on view responsibility allows the officer to view their id and the report_id of the report that they are in charge of:



This report_id can then be entered in report_details and all of the details of that report can be viewed.

The officer can also view the duties of all officers by simply clicking on "View all duties"

```
File Edit Shell Debug Options Window Help

Python 3.9.5 (tags/v3.9.5:0a7dcbd, May 3 2021, 17:27:52) [MSC v.1928 6 ^ 4 bit (AMD64)] on win32

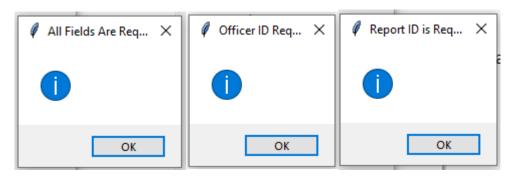
Type "help", "copyright", "credits" or "license()" for more information .

>>>

========== RESTART: C:\Users\HP\Desktop\pothole project 64 bit.py ===

>>> [(10346, 1248), (10347, 1435), (10348, 1274), (10349, 1673), (10350, 1096), (10351, 1248), (10352, 1435), (10354, 1274), (10355, 1248), (10356, 1389), (10357, 1673), (10359, 1435), (10360, 1673), (10363, 1096), (10364, 1389)]
```

Moreover, at any point if any required data has not been entered a dialogue box appears:



Codes

```
import cx Oracle
con = cx_Oracle.connect('xe/xe@localhost')
cursor = con.cursor()
import tkinter
from tkinter import *
import tkinter.messagebox as MessageBox
login=Tk()
def insert rep():
   repid=report id.get();
    citname=name.get();
    citid=citizen_id.get();
    num=phone_number.get();
    if(repid=="" or citname=="" or citid=="" or num==""):
       MessageBox.showinfo("All Fields Are Required");
    else:
        con = cx Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("insert into Report values('"+ repid +"','"+ citname +"','"+ citid +"','"+ num +"')")
        cursor.execute("commit")
        MessageBox.showinfo("Details Inserted Successfully")
        con.close()
def delete rep():
   if(report_id.get()==""):
       MessageBox.showinfo("Report ID is Required");
       con = cx Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("delete from Report where report_id=""+ report_id.get() +""")
       cursor.execute("delete from Report details where report id='"+ report id.get() +""")
       cursor.execute("delete from report_officer where report_id='"+ report_id.get() +"'")
        cursor.execute("commit")
       MessageBox.showinfo("Details Deleted Successfully")
        con.close()
def select rep():
   if(report_id.get()==""):
       MessageBox.showinfo("Report ID is Required");
        con = cx_Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("select * from Report where report id='"+ report id.get() +"'")
       row = cursor.fetchone()
       print (row)
        cursor.execute("commit")
        con.close()
```

```
def reporter():
    global report id
    global name
    global citizen id
    global phone number
    rep window=Toplevel(login)
    rep window.geometry('500x500')
    rep window.title("Reporter Details")
    id=Label(rep_window,text='Enter Report ID',font=('bold',10))
    id.place(x=20,y=30)
    r name=Label(rep window,text='Enter Your Name',font=('bold',10))
    r_name.place(x=20,y=60)
    ctzn_id=Label(rep_window,text='Enter Citizen ID',font=('bold',10))
    ctzn id.place(x=20,y=90)
    phone=Label(rep_window,text='Enter Phone No.',font=('bold',10))
    phone.place (x=20, y=120);
    report id=Entry(rep window)
    report id.place(x=150,y=30)
    name=Entry(rep_window)
    name.place(x=150, y=60)
    citizen_id=Entry(rep_window)
    citizen id.place(x=150,y=90)
    phone number=Entry(rep window)
    phone number.place(x=150,y=120)
    insert=Button(rep_window,text="INSERT",font=('bold',10),bg='white',command=insert_rep)
    insert.place(x=20,y=140)
   delete=Button(rep_window,text="DELETE",font=('bold',10),bg='white',command=delete_rep)
   delete.place(x=120,y=140)
   select=Button(rep_window,text="View my Information",font=('bold',10),bg='white',command=select_rep)
   select.place(x=220,y=140)
   rep_window.mainloop()
def insert repdet():
   repid=rep_id.get();
   repdate=rep_date.get();
   pot=pot count.get();
   accident=acci.get();
   status=stat.get();
   stnum=street_no.get();
   stname=street.get();
   remdate=rmv_date.get();
   if(repid=="" or repdate=="" or pot=="" or accident=="" or status=="" or stnum=="" or stnum=="" or remdate==""):
    MessageBox.showinfo("All Fields Are Required");
```

```
else:
        con = cx_Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("insert into Report details values('"+ repid +"','"+ repdate +"','"+ pot +"','"+ accid
        cursor.execute("commit")
        MessageBox.showinfo("Details Inserted Successfully")
        con.close()
def select_repdet():
    con = cx_Oracle.connect('xe/xe@localhost')
    cursor = con.cursor()
    cursor.execute("select * from Report_details")
    rows = cursor.fetchall()
    print (rows)
    cursor.execute("commit")
    con.close()
def selectspcfc_repdet():
   repid=rep_id.get();
    if(repid==""):
       MessageBox.showinfo("Report ID is Required");
        con = cx Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("select * from Report_details where report_id='"+ rep_id.get() +"'")
        row = cursor.fetchone()
        print(row)
        cursor.execute("commit")
       con.close()
def delete_repdet():
       MessageBox.showinfo("Report ID is Required");
   else:
       con = cx_Oracle.connect('xe/xe@localhost')
       cursor = con.cursor()
       cursor.execute("delete from Report where report_id='"+ rep_id.get() +"'")
       cursor.execute("delete from Report details where report id=""+ rep_id.get() +"'")
cursor.execute("delete from report officer where report id='"+ rep_id.get() +"'")
       cursor.execute("commit")
       MessageBox.showinfo("Details Deleted Successfully")
       con.close()
def update_repdet():
   repid=rep_id.get();
   repdate=rep date.get();
   pot=pot_count.get();
   accident=acci.get();
   status=stat.get();
   stnum=street no.get();
   stname=street.get();
   remdate=rmv_date.get();
   if(repid=="" or repdate=="" or pot=="" or accident=="" or status=="" or stnum=="" or stname=="" or remdate==""):
       MessageBox.showinfo("All Fields Are Required");
       con = cx_Oracle.connect('xe/xe@localhost')
       cursor = con.cursor()
       cursor.execute("update Report_details set report_date='"+ repdate +"',pothole_count='"+ pot +"',Accidents='"+ a
       cursor.execute("commit")
       MessageBox.showinfo("Details Updated Successfully")
       con.close()
```

```
def report det():
    global rep_id
    global rep_date
    global pot count
    global acci
    global stat
    global street no
    global street
    global rmv_date
    repdet window=Toplevel(login)
    repdet window.geometry('500x500')
    repdet_window.title("Report Details")
    rid=Label(repdet window,text='Enter Report ID',font=('bold',10))
    rid.place(x=20.v=30)
    rdate=Label(repdet window,text='Enter Date of report',font=('bold',10))
    rdate.place(x=20,y=60)
    rcount=Label(repdet window,text='Enter Number of Potholes',font=('bold',10))
    rcount.place(x=20,y=90)
    racci=Label(repdet_window,text='Enter Number of Accidents',font=('bold',10))
    racci.place(x=20,y=120)
    rstat=Label(repdet_window,text='Status of Pothole (Active/Inactive)',font=('bold',10))
    rstat.place(x=20,y=150)
    rstrtno=Label(repdet window,text='Enter Street Number',font=('bold',10))
    rstrtno.place(x=20,y=180)
    rstrt=Label(repdet window,text='Enter Street Name',font=('bold',10))
    rstrt.place(x=20.v=210)
    rrmvdate=Label(repdet_window,text='Enter the date of repair (if repaired)',font=('bold',10))
    rrmvdate.place(x=20,y=240)
    rep_id=Entry(repdet_window)
    rep id.place(x=300,y=30)
 rep_date=Entry(repdet_window)
 rep_date.place(x=300,y=60)
 pot_count=Entry(repdet_window)
 pot_count.place(x=300,y=90)
 acci=Entry(repdet window)
 acci.place(x=300,y=120)
 stat=Entry(repdet window)
 stat.place(x=300,y=150)
 street no=Entry(repdet window)
 street_no.place(x=300,y=180)
 street=Entry(repdet window)
 street.place(x=300,y=210)
 rmv date=Entry(repdet window)
 rmv_date.place(x=300,y=240)
 insert=Button(repdet window,text="INSERT",font=('bold',10),bg='white',command=insert repdet)
 insert.place(x=100,y=300)
 select=Button(repdet_window,text="View all Reports",font=('bold',10),bg='white',command=select_repdet)
 select.place(x=350,y=300)
 selectspcfc=Button(repdet window,text="View my Report details",font=('bold',10),bg='white',command=selectspcfc repdet)
 selectspcfc.place(x=180,y=300)
 delete=Button (repdet window, text="Delete", font=('bold', 10), bg='white', command=delete repdet)
 delete.place(x=200,y=350)
 update=Button(repdet_window,text="Update",font=('bold',10),bg='white',command=update_repdet)
 update.place(x=300,y=350)
 repdet window.mainloop()
```

```
def insert_ofcrdet():
   off id=ofcr id.get();
   off name=ofcr name.get();
   num=p_num.get();
   if(off id=="" or off name=="" or num==""):
       MessageBox.showinfo("All Fields Are Required");
    else:
       con = cx_Oracle.connect('xe/xe@localhost')
       cursor = con.cursor()
       cursor.execute("insert into Officer values('"+ off_id +"','"+ off_name +"','"+ num +"')")
       cursor.execute("commit")
       MessageBox.showinfo("Details Inserted Successfully")
       con.close()
def delete_ofcrdet():
   off id=ofcr id.get();
   if(off id==""):
       MessageBox.showinfo("Officer ID Required");
   else:
       con = cx_Oracle.connect('xe/xe@localhost')
       cursor = con.cursor()
       cursor.execute("delete from Officer where officer ID='"+ off id +"'")
       cursor.execute("delete from report_officer where officer_ID='"+ off_id +"'")
       cursor.execute("commit")
       MessageBox.showinfo("Details Deleted Successfully")
       con.close()
def select_ofcrdet():
    off id=ofcr id.get();
    if(off_id==""):
       MessageBox.showinfo("Officer ID Required");
    else:
        con = cx_Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("select * from Officer where officer ID='"+ off id +"'")
        row = cursor.fetchone()
        print (row)
        cursor.execute("commit")
        con.close()
def resp_ofcrdet():
   off_id=ofcr_id.get();
if(off_id==""):
       MessageBox.showinfo("Officer ID Required");
    else:
        con = cx_Oracle.connect('xe/xe@localhost')
        cursor = con.cursor()
        cursor.execute("select * from report officer where officer ID='"+ off id +"'")
        row = cursor.fetchone()
        print(row)
        cursor.execute("commit")
        con.close()
def dut_ofcrdet():
   con = cx_Oracle.connect('xe/xe@localhost')
    cursor = con.cursor()
   cursor.execute("select * from report officer")
   row = cursor.fetchall()
    print (row)
   cursor.execute("commit")
   con.close()
```

```
def officer():
    global ofcr id
    global ofcr name
    global p_num
    ofcrdet_window=Toplevel(login)
    ofcrdet_window.geometry('500x500')
    ofcrdet_window.title("Officer Details")
    ofid=Label(ofcrdet window.text='Enter Officer ID',font=('bold',10))
    ofid.place(x=20,y=30)
    o name=Label(ofcrdet window,text='Enter Your Name',font=('bold',10))
    o_{\text{name.place}}(x=20,y=60)
    o_phone=Label(ofcrdet_window,text='Enter Phone No.',font=('bold',10))
    ofcr_id=Entry(ofcrdet_window)
    ofcr_id.place(x=300,y=30)
    ofcr name=Entry(ofcrdet window)
    ofcr_name.place(x=300,y=60)
    p num=Entry(ofcrdet window)
    p_num.place(x=300,y=90)
    insert=Button(ofcrdet_window,text="INSERT",font=('bold',10),bg='white',command=insert_ofcrdet)
    insert.place(x=150,y=200)
    delete=Button(ofcrdet_window,text="DELETE",font=('bold',10),bg='white',command=delete_ofcrdet)
    delete.place(x=250,y=200)
    select=Button(ofcrdet_window,text="VIEW MY DETAILS",font=('bold',10),bg='white',command=select_ofcrdet)
    select.place(x=100,v=300)
    view=Button(ofcrdet window,text="VIEW MY RESPONSIBILITY",font=('bold',10),bg='white',command=resp ofcrdet)
    view.place(x=270, y=300)
    view2=Button(ofcrdet_window,text="VIEW ALL DUTIES",font=('bold',10),bg='white',command=dut_ofcrdet)
    view2.place(x=180,y=400)
    ofcrdet window.mainloop()
def cit setting():
    ctzn_window=Toplevel(login)
    ctzn window.geometry("500x500")
    ctzn_window.title("Citizen Settings")
    lbl=Label(ctzn window,text="Select your course of action. \n We appreciate your service",
              font=('bold',20))
    lbl.place(x=60, y=10)
    btn=Button(ctzn_window,text='My Details',command=reporter)
    btn.pack(padx=80,pady=100)
    btn=Button(ctzn_window,text='Report Details',command=report_det)
    btn.pack(padx=60,pady=30)
def off setting():
    ofcr_window=Toplevel(login)
    ofcr window.geometry("500x500")
    ofcr_window.title("Officer Settings")
    lbl=Label(ofcr window,text="Select your course of action",font=('bold',20))
    lbl.place(x=60,y=10)
    btn=Button(ofcr window,text='My Details',command=officer)
    btn.pack(padx=80,pady=100)
    btn=Button(ofcr_window,text='Report Details',command=report_det)
    btn.pack(padx=60,pady=30)
```

```
btn=Button(login,text='Citizen',command=cit_setting)
btn.pack(padx=80,pady=100)

btn= Button(login,text='Officer',command=off_setting)
btn.pack(padx=60,pady=30)

select=Label(login,text="Select User Category",font=('bold',20))
select.place(x=100,y=20)

login.geometry("500x500")
login.title("Login")
```