Abstract- Apartment maintenance management system deals with tools that make routine tasks such as tracking and storing tenant information, collecting rent and managing accounting needs easier for property managers. We have created a similar management system where the office admin of the Apartment is given a menu of options to choose from. The menu involves options like viewing details of all the residents , residents who have not paid their maintenance , residents who have paid and also removing any resident's details if he/she wishes to leave the apartment. So it has the updated information of the apartment residents.

Table of contents:

Importance- To have an organized record of the resident details of an Apartment.

Design:

```
from tkinter import *
from tkinter import messagebox


w=Tk()
w.geometry('900x700')
w.title("MENU")
#w.resizable(False,False)


j=0
r=0
for i in range(50):
   c=str(222222+r)
```

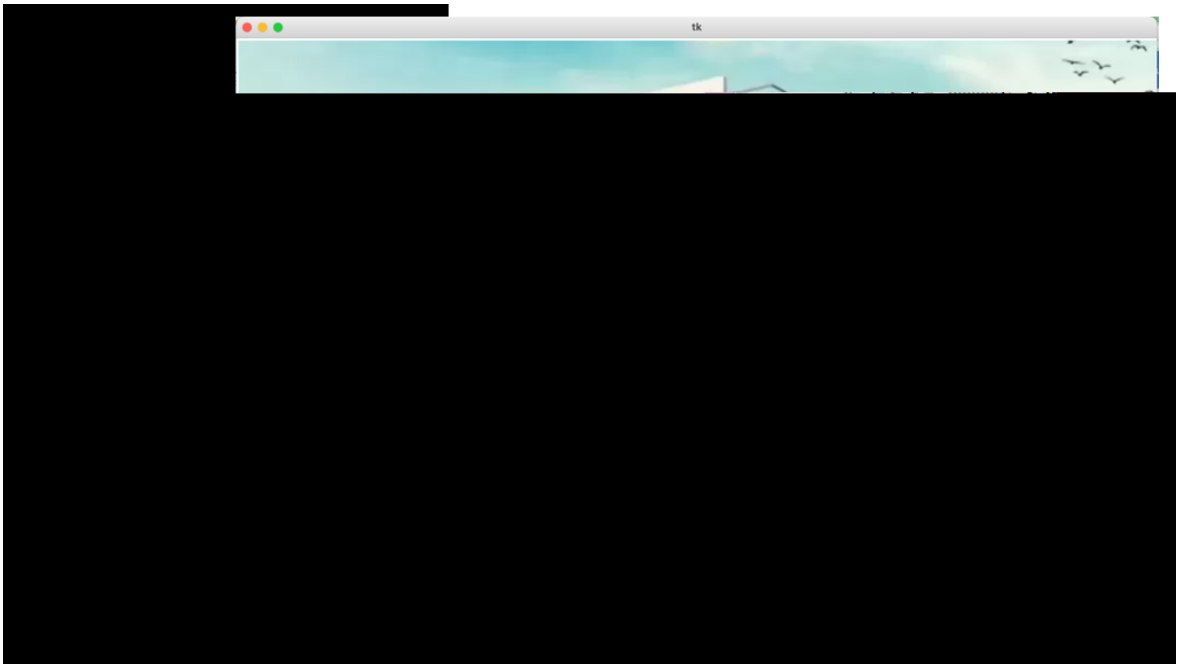
```
    Frame(w,width=900,height=700,bg='#'+c).place(x=j,y=0)
    j=j+10
    r=r+1

Frame(w,width=500,height=600,bg='lavender').place(x=430,y=50)
def display():
    import projectdata
def add():
    import projectadd
def notpaid():
    import notpaid

def paid():
    import projectpaid

def removeresident():
    #import removegui
    pass
def pay():
    #import pay
    pass
```

```
#Welcome label

k=Label(w,text="Welcome  to Sumukha tropicals",bg="lavender")

k1=("Lucida Calligraphy",20)

k.config(font=k1,foreground="Navy blue")

k.place(x=450,y=120)



#Button 1

b1=Button(w,text="Display resident details ",command=display)

b=("Lucida Calligraphy",13)

b1.config(font=b,foreground="Maroon")

b1.place(x=490,y=200)


#Button 2

b2=Button(w,text="Add new resident details ",command=add)

b=("Lucida Calligraphy",13)

b2.config(font=b,foreground="Maroon")

b2.place(x=490,y=250)


b3=Button(w,text="Display residents who haven't paid ",command=notpaid)

b=("Lucida Calligraphy",13)

b3.config(font=b,foreground="Maroon")
```

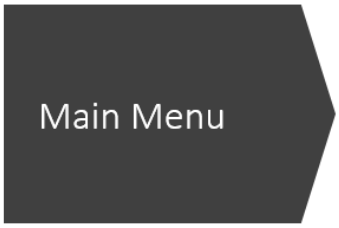
```
b3.place(x=490,y=300)

b4=Button(w,text="Display residents who have paid  ",command=paid)
b=("Lucida Calligraphy",13)
b4.config(font=b,foreground="Maroon")
b4.place(x=490,y=350)

b5=Button(w,text="Remove resident details ",command=removeresident)
b=("Lucida Calligraphy",13)
b5.config(font=b,foreground="Maroon")
b5.place(x=490,y=400)

b6=Button(w,text="Pay maintanence ",command=pay)
b=("Lucida Calligraphy",13)
b6.config(font=b,foreground="Maroon")
b6.place(x=490,y=450)

w.mainloop()
```

Result:

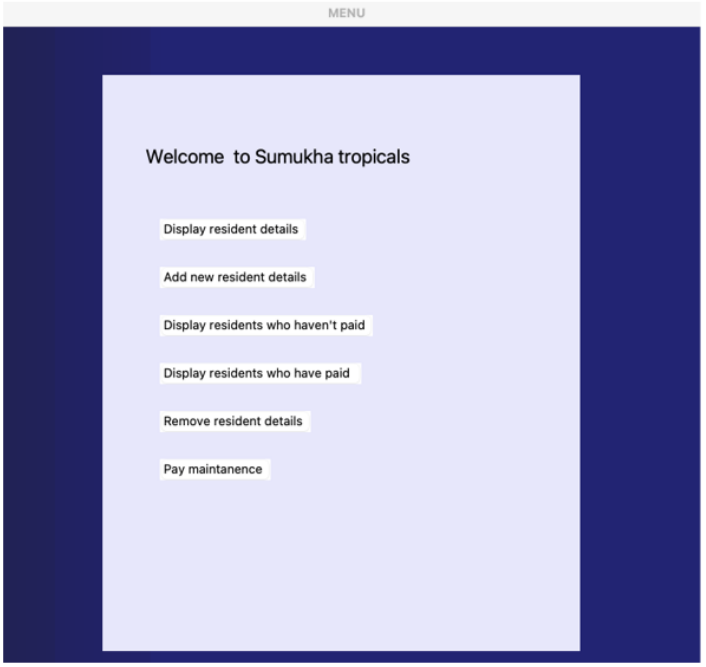
1.Main page



2. Menu



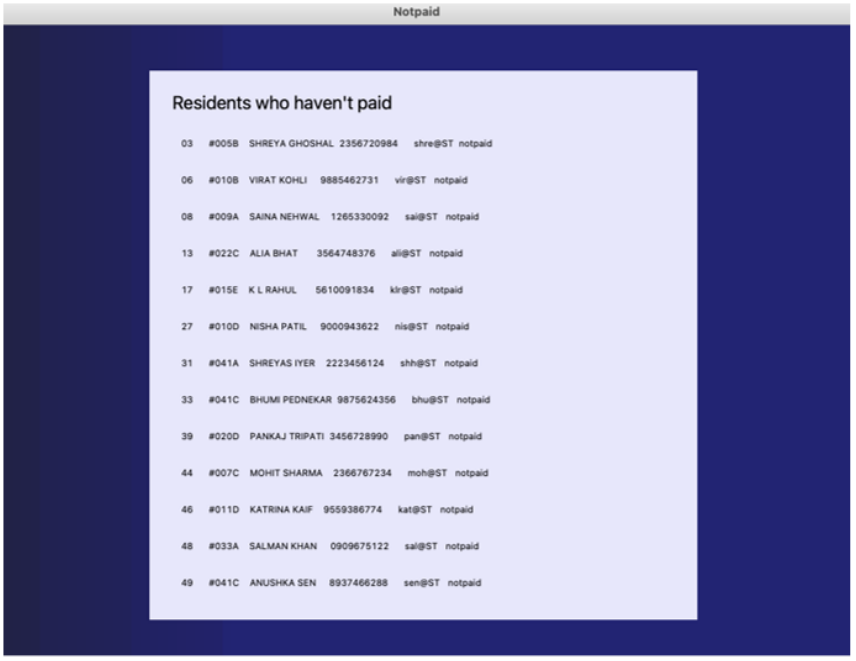
- 1. View resident details
- 2. Display not paid
- 3. Display paid
- 4. Add resident



3.View Resident details

4.Residents who have not paid

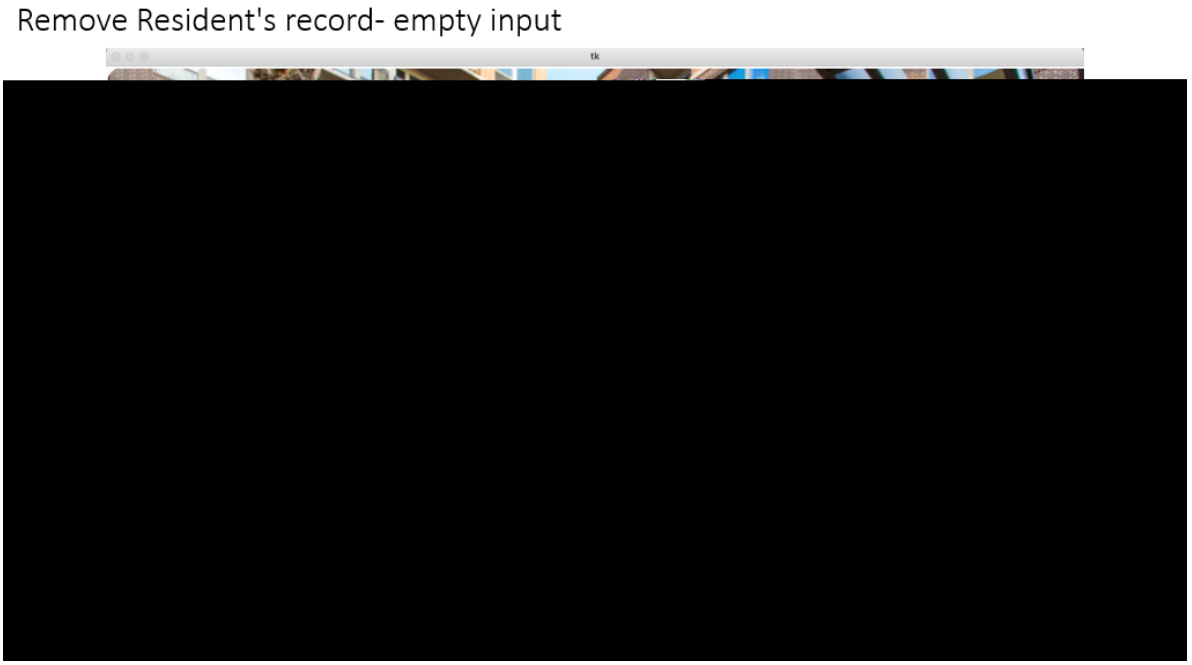
Residents who haven't paid



5.Residents who have paid

Residents who have paid

6.Remove resident details



Reference:

1. https://www.geeksforgeeks.org/how-to-create-frames/
2. https://www.geeksforgeeks.org/how-to-set-font-for-text-in-tkinter/

Future enhancements:

1. Login page
2. Payment option