

**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)
```



## Apartment Maintenance Management System

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```
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
```



## Apartment Maintenance Management System

---

#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")
```



## Apartment Maintenance Management System

---

```
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 maintenance ",command=pay)
```

```
b=("Lucida Calligraphy",13)
```

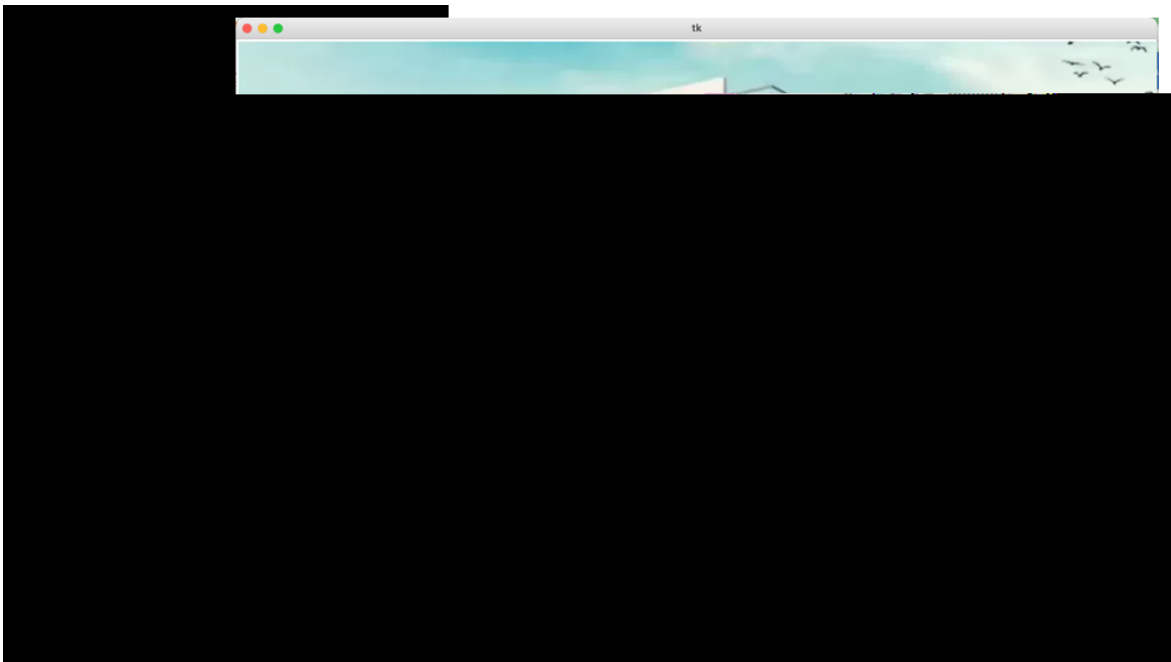
```
b6.config(font=b,foreground="Maroon")
```

```
b6.place(x=490,y=450)
```

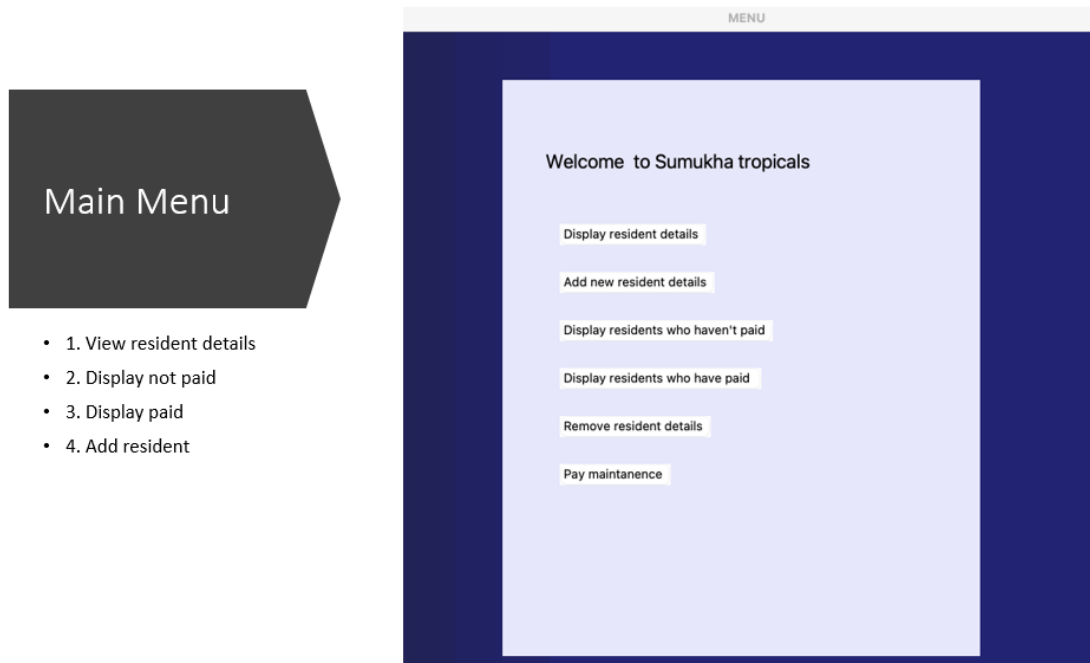
```
w.mainloop()
```

## Result:

### 1.Main page



## 2. Menu



## 3.View Resident details

### Display details

Residents details					
SRN.No	Flat.No	User Name	Mobile number	Userid	Status
01	#001A	SMRITI RANI	9036402304	smr@ST	Paid
02	#002A	MS DHONI	8973526345	msd@ST	Paid
03	#005B	SHREYA GHOSHAL	2356720984	shre@ST	notpaid
04	#021C	GEETA KAPOOR	1775422090	get@ST	paid
05	#005A	VICKY KAUSHAL	9983255178	vick@ST	paid
06	#010B	VIRAT KOHLI	9885462731	vir@ST	notpaid
07	#011B	AKSHAY KUMAR	985654233	aks@ST	paid
08	#009A	SAINA NEHWAL	1265330092	sai@ST	notpaid
09	#013B	MARY KOM	9449386440	mar@ST	paid
10	#027C	SHAKTI MOHAN	2445673434	sha@ST	paid
11	#030D	KAMAL HASAN	9880763488	kam@ST	paid
12	#012B	DEEPIKA PADKON	9463527893	deep@ST	paid
13	#022C	ALIA BHAT	3564748376	ali@ST	notpaid
14	#011D	RAMESH BABU	6354638977	ram@ST	paid
15	#018A	RASHMI RAI	5467488948	ras@ST	paid
16	#005C	SAKSHI SINHA	5467876622	sak@ST	paid
17	#015E	K L RAHUL	5610091834	klr@ST	notpaid
18	#029B	ANSHUMAN	5468987666	ans@ST	paid
19	#030C	HARSHAL PATEL	3562883667	har@ST	paid
20	#011A	RACHEL ANZITA	4563989899	rac@ST	paid
21	#002B	RAHUL DRAVID	1112453665	rah@ST	not paid
22	#101B	SANAM KHAN	2333450987	sar@ST	paid
23	#010E	SALMAN KHAN	2567000987	sal@ST	paid
24	#009C	SHREYA PATEL	9449756122	shr@ST	paid
25	#003A	AMITSHA	7022762304	ami@ST	paid
26	#005B	AMITHA SINGH	2346753626	asm@ST	paid
27	#010D	NISHA PATIL	9000843622	nis@ST	notpaid
28	#015A	SHAMAN RAJ	1234512345	sha@ST	paid
29	#008C	PREETI ZINTA	9887923043	pre@ST	paid
30	#012B	KAILASH NAYAK	9837378381	kai@ST	paid
31	#041A	SHREYAS IYER	2223456124	shh@ST	notpaid
32	#023B	ARJUN KAPOOR	1209128734	arj@ST	paid
33	#041C	BHUMI PEDNEKAR	9875624356	bhu@ST	notpaid
34	#011C	ANKIT TIWARI	9449447383	ank@ST	paid
35	#021A	HRITIK ROSHAN	2278534000	hri@ST	paid
36	#032C	KAPIL SHARMA	7227386004	kap@ST	paid
37	#028B	AKSHAY KUMAR	9112565589	aks@ST	paid
38	#034C	ANUSHKA SHARMA	2332456557	anu@ST	paid
39	#020D	PANKAJ TRIPATHI	3456728990	pan@ST	notpaid
40	#003C	SOURABH JAIN	1289901927	sau@ST	paid
41	#011B	AISHWARYA RAI	9993345600	ais@ST	paid
42	#010B	SACHINTENDULKAR	9043024381	sac@ST	paid
43	#001D	BARAK OBAMA	2229878801	bar@ST	paid
44	#007C	MOHIT SHARMA	2368767234	moh@ST	notpaid
45	#026B	DIRUBAI AMABANI	3343098789	dir@ST	paid
46	#011D	KATRINA KAJF	9559386774	kat@ST	notpaid
47	#009C	DEEPAK CHAHAR	1127871456	dee@ST	paid
48	#033A	SALMAN KHAN	0909675122	sal@ST	notpaid
49	#041C	ANUSHKA SEN	8937466288	sen@ST	notpaid
50	#005D	AMITAB BACHAN	7299762304	ami@ST	paid

## 4.Residents who have not paid

Residents  
who haven't  
paid

Notpaid				
Residents who haven't paid				
03	#005B	SHREYA GHOSHAL	2356720984	shre@ST notpaid
06	#010B	VIRAT KOHLI	9885462731	vir@ST notpaid
08	#009A	SAINA NEHWAL	1265330092	sai@ST notpaid
13	#022C	ALIA BHAT	3564748376	ali@ST notpaid
17	#015E	K L RAHUL	5610091834	kir@ST notpaid
27	#010D	NISHA PATIL	9000943622	nia@ST notpaid
31	#041A	SHREYAS IYER	2223456124	shh@ST notpaid
33	#041C	BHUM PEDNEKAR	9875624356	bhu@ST notpaid
39	#020D	PANKAJ TRIPATI	3456728990	pan@ST notpaid
44	#007C	MOHIT SHARMA	2366767234	moh@ST notpaid
46	#011D	KATRINA KAIF	9559386774	kat@ST notpaid
48	#033A	SALMAN KHAN	0909675122	sal@ST notpaid
49	#041C	ANUSHKA SEN	8937466288	sen@ST notpaid

5.Residents who have paid

Residents  
who have  
paid

Notpaid				
Residents who have paid				
01	#001A	SMRITI RANI	9036402304	smr@ST Paid
02	#002A	MS DHONI	8973526345	msd@ST Paid
04	#021C	GEETA KAPOOR	1775422090	get@ST Paid
05	#005A	VICKY KAUSHAL	9983255178	vick@ST Paid
07	#011B	AKSHAY KUMAR	9856564233	aks@ST Paid
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16	#005C	SAKSHI SINGHA	5467876622	sak@ST Paid
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47	#009C	DEEPAK CHAHAR	1127871456	dee@ST Paid
50	#005D	AMITAB BACHAN	7299762304	ami@ST Paid

## 6.Remove resident details

Remove Resident's record- empty input



## 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





# Apartment Maintenance Management System

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