

PROJECT REPORT

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PROJECT TITLE : BILLING SOFTWARE
USING TKINTER

SUBJECT : PYTHON

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DATE :

CENTER HEAD SIGNATURE

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1.Introduction:-

Telecommunication companies need an effective and accurate billing software to be able to assure their revenue. Billing softwares process the usage of network equipment that is used during the service usage into a single Call Detail Record (CDR). The billing process involves receiving billing records from various networks, determining the billing rates associated with the billing records, calculating the cost for each billing record, aggregating these records periodically to generate invoices, sending invoices to the customer, and collecting payments received from the customer.

Billing software is very complex starting from network elements that generate usage to the billing software to usage collection, mediation, rating, and invoicing. To simplify the process I will introduce a simple software usage scenario as shown in the following figure. The software user navigates through the company site and views company services, and he decides to order one of the available services. If he has no account, he signs up for a new account, else he signs in. Then the user asks to conduct an order with the selected service. The service may be prepaid where he has to pay to have credits to use the service, or it may be postpaid, where he has to pay if the service has installation or setup fees, and later on he will pay for his usage of each billing cycle.

2.SYSTEM REQUIREMENTS:-

HARDWARE CONFIGURATION:

For the program to be run the set of computer hardware be prepared with the following specification. IBM compile 486 system.

- ACD – ROM drive
- Pentium II Higher
- 733 MGHZ or Higher
- 32MB Ram or Higher
- 10GB HDD or Higher
- QWERTY keyboard

SOFTWARE REQUIREMENTS:

For the program to be run the set of the following software must be prepared with the following specification.

- **PYCHARM**
- **MS WORD or Other text Editor**
- **Windows Operating System**

3.SCREEN SHOT:-

```
from tkinter import *
top = Tk()
top.configure(bg='red')
top.geometry('1350x800')
top.title('billing software')
l = Label(top, text='BILLING SOFTWARE', bg='orange', width=700, height=1, font=("Times New Roman", 20), borderwidth=5,
          relief='sunken')
l.pack(padx=50, pady=10)

# customer detail
top.e1 = StringVar()
top.e2 = StringVar()
top.e3 = StringVar()

# cosmetics
top.e4 = IntVar()
top.e5 = IntVar()
top.e6 = IntVar()
top.e7 = IntVar()
top.e8 = IntVar()

# grocery
top.e9 = IntVar()
top.e10 = IntVar()
top.e11 = IntVar()
top.e12 = IntVar()
```

```
# others
top.e14 = IntVar()
top.e15 = IntVar()
top.e16 = IntVar()
top.e17 = IntVar()
top.e18 = IntVar()

# bill menu
top.e19 = StringVar()
top.e20 = StringVar()
top.e21 = StringVar()
top.e22 = StringVar()
top.e23 = StringVar()
top.e24 = StringVar()

# customer detail
lf = LabelFrame(top, text='customer detail', bg='orange', bd=7, width=1250, height=75).place(x=50, y=55)
cname = Label(top, text='CustomerName:', bg='orange', font=('Times New Roman', 11)).place(x=57, y=90)
e1 = Entry(top, width=30, textvariable=top.e1, font=('arial', 11), borderwidth=5, relief='sunken').place(x=160, y=87)
cphn = Label(top, text='CustomerPhoneNo:', bg='orange', font=('Times New Roman', 11)).place(x=430, y=90)
e2 = Entry(top, width=30, textvariable=top.e2, font=('arial', 11), borderwidth=5, relief='sunken').place(x=555, y=87)
billno = Label(top, text='BillNo:', bg='orange', font=('Times New Roman', 11)).place(x=820, y=90)
e3 = Entry(top, width=30, textvariable=top.e3, font=('arial', 11), borderwidth=5, relief='sunken').place(x=870, y=87)
```

```

b = Button(top, text='Enter', bg='brown', fg='white', width=10, height=1).place(x=1170, y=85)

# cosmetics
lf1 = LabelFrame(top, text='Cosmetics', bg='orange', bd=7, width=300, height=400).place(x=50, y=130)
bathsoap = Label(top, text='Bath Soap:', bg='orange', font=('Times New Roman', 11)).place(x=65, y=170)
e4 = Entry(top, width=10, textvariable=top.e4, font=('arial', 19), borderwidth=5, relief='sunken').place(x=160, y=165)
facecream = Label(top, text='Face Cream:', bg='orange', font=('Times New Roman', 11)).place(x=65, y=240)
e5 = Entry(top, width=10, textvariable=top.e5, font=('arial', 19), borderwidth=5, relief='sunken').place(x=160, y=230)
facewash = Label(top, text='Face Wash:', bg='orange', font=('Times New Roman', 11)).place(x=65, y=310)
e6 = Entry(top, width=10, textvariable=top.e6, font=('arial', 19), borderwidth=5, relief='sunken').place(x=160, y=300)
hairspray = Label(top, text='Hair Spray:', bg='orange', font=('Times New Roman', 11)).place(x=65, y=380)
e7 = Entry(top, width=10, textvariable=top.e7, font=('arial', 19), borderwidth=5, relief='sunken').place(x=160, y=370)
bodylotion = Label(top, text='Body Lotion:', bg='orange', font=('Times New Roman', 11)).place(x=65, y=460)
e8 = Entry(top, width=10, textvariable=top.e8, font=('arial', 19), borderwidth=5, relief='sunken').place(x=160, y=450)

# grocery
lf2 = LabelFrame(top, text='Grocery', bg='orange', bd=7, width=300, height=400).place(x=350, y=130)
Rice = Label(top, text='Rice:', bg='orange', font=('Times New Roman', 11)).place(x=370, y=170)
e9 = Entry(top, width=10, textvariable=top.e9, font=('arial', 19), borderwidth=5, relief='sunken').place(x=450, y=165)
foodoil = Label(top, text='Food Oil:', bg='orange', font=('Times New Roman', 11)).place(x=370, y=240)
e10 = Entry(top, width=10, textvariable=top.e10, font=('arial', 19), borderwidth=5, relief='sunken').place(x=450, y=230)
jaggery = Label(top, text='Jaggery:', bg='orange', font=('Times New Roman', 11)).place(x=370, y=310)
e11 = Entry(top, width=10, textvariable=top.e11, font=('arial', 19), borderwidth=5, relief='sunken').place(x=450, y=300)
uraddal = Label(top, text='Uradd Dal:', bg='orange', font=('Times New Roman', 11)).place(x=370, y=380)
e12 = Entry(top, width=10, textvariable=top.e12, font=('arial', 19), borderwidth=5, relief='sunken').place(x=450, y=370)

wheat = Label(top, text='Wheat:', bg='orange', font=('Times New Roman', 11)).place(x=370, y=460)
e13 = Entry(top, width=10, textvariable=top.e13, font=('arial', 19), borderwidth=5, relief='sunken').place(x=450, y=450)

# others
lf3 = LabelFrame(top, text='Others', bg='orange', bd=7, width=300, height=400).place(x=650, y=130)
biscuits = Label(top, text='Biscuits:', bg='orange', font=('Times New Roman', 11)).place(x=670, y=170)
e14 = Entry(top, width=10, textvariable=top.e14, font=('arial', 19), borderwidth=5, relief='sunken').place(x=750, y=165)
slice = Label(top, text='Slice:', bg='orange', font=('Times New Roman', 11)).place(x=670, y=240)
e15 = Entry(top, width=10, textvariable=top.e15, font=('arial', 19), borderwidth=5, relief='sunken').place(x=750, y=240)
coke = Label(top, text='Coke:', bg='orange', font=('Times New Roman', 11)).place(x=670, y=310)
e16 = Entry(top, width=10, textvariable=top.e16, font=('arial', 19), borderwidth=5, relief='sunken').place(x=750, y=300)
mazaa = Label(top, text='Mazaa:', bg='orange', font=('Times New Roman', 11)).place(x=670, y=380)
e17 = Entry(top, width=10, textvariable=top.e17, font=('arial', 19), borderwidth=5, relief='sunken').place(x=750, y=370)
tilo = Label(top, text='Tilo:', bg='orange', font=('Times New Roman', 11)).place(x=670, y=460)
e18 = Entry(top, width=10, textvariable=top.e18, font=('arial', 19), borderwidth=5, relief='sunken').place(x=750, y=450)

# bill area
f = Frame(top, bg='orange', bd=10, relief=GR0OVE)
f.place(x=955, y=135, width=347, height=390)
billtitle = Label(f, text="Bill Area", bg='orange', font="arial 15 bold", bd=7, relief=GR0OVE).pack(fill=X)
scrol_y = Scrollbar(f, orient=VERTICAL)
top.txtarea = Text(f, yscrollcommand=scrol_y.set)
scrol_y.pack(side=RIGHT, fill=Y)
scrol_y.config(command=top.txtarea.yview)
top.txtarea.pack(fill=BOTH, expand=1)

```

```
# bill menu
lf4 = LabelFrame(top, text='Bill Menu', bg='orange', bd=7, width=1250, height=145).place(x=50, y=527)
totalcosmetics = Label(lf4, text='Total Cosmetics:', bg='orange', font=('Times New Roman', 11)).place(x=57, y=555)
e19 = Entry(top, width=15, textvariable=top.e19, font=('arial', 12), borderwidth=5, relief='sunken').place(x=165, y=555)
totalgrocery = Label(lf4, text='Total grocery:', bg='orange', font=('Times New Roman', 11)).place(x=57, y=600)
e20 = Entry(top, width=15, textvariable=top.e20, font=('arial', 12), borderwidth=5, relief='sunken').place(x=165, y=595)
totalothers = Label(lf4, text='Total Others:', bg='orange', font=('Times New Roman', 11)).place(x=57, y=635)
e21 = Entry(top, width=15, textvariable=top.e21, font=('arial', 12), borderwidth=5, relief='sunken').place(x=165, y=630)

cosmeticstax = Label(lf4, text='Cosmetics Tax:', bg='orange', font=('Times New Roman', 11)).place(x=350, y=555)
e22 = Entry(top, width=15, textvariable=top.e22, font=('arial', 12), borderwidth=5, relief='sunken').place(x=455, y=555)
grocerytax = Label(lf4, text='Grocery Tax:', bg='orange', font=('Times New Roman', 11)).place(x=350, y=600)
e23 = Entry(top, width=15, textvariable=top.e23, font=('arial', 12), borderwidth=5, relief='sunken').place(x=455, y=595)
otherstax = Label(lf4, text='Others Tax:', bg='orange', font=('Times New Roman', 11)).place(x=350, y=635)
e24 = Entry(top, width=15, textvariable=top.e24, font=('arial', 12), borderwidth=5, relief='sunken').place(x=455, y=630)

def fun():
    # cosmetic
    top.c_s_p = top.e4.get() * 40
    top.c_fc_p = top.e5.get() * 80
    top.c_fw_p = top.e6.get() * 120
    top.c_hs_p = top.e7.get() * 60
```

```
top.c_bl_p = top.e8.get() * 150
top.total_cosmetic_price = (
    top.c_s_p +
    top.c_fc_p +
    top.c_fw_p +
    top.c_hs_p +
    top.c_bl_p
)
top.e19.set(str(top.total_cosmetic_price))
top.c_tax = (top.total_cosmetic_price * 0.10)
top.e22.set("Rs, " + str(top.c_tax))

# grocery
top.g_r_p = top.e9.get() * 1200
top.g_fo_p = top.e10.get() * 300
top.g_j_p = top.e11.get() * 250
top.g_u_p = top.e12.get() * 60
top.g_w_p = top.e13.get() * 450

top.total_grocery_price = (
    top.g_r_p +
    top.g_fo_p +
    top.g_j_p +
    top.g_u_p +
    top.g_w_p
```

```

)
top.e20.set(str(top.total_grocery_price))
top.g_tax = (top.total_grocery_price * 0.10)
top.e23.set("Rs, " + str(top.g_tax))

# other
top.o_b_p = top.e14.get() * 20
top.o_s_p = top.e15.get() * 70
top.o_c_p = top.e16.get() * 80
top.o_m_p = top.e17.get() * 50
top.o_t_p = top.e18.get() * 80
top.total_other_price = (
    top.o_b_p +
    top.o_s_p +
    top.o_c_p +
    top.o_m_p +
    top.o_t_p
)
top.e21.set(str(top.total_other_price))
top.o_tax = (top.total_other_price * 0.02)
top.e24.set("Rs, " + str(top.o_tax))

```

```

# totalBill
top.total_bill = (
    top.total_cosmetic_price +
    top.c_tax +
    top.total_grocery_price +
    top.g_tax +
    top.total_other_price +
    top.o_tax
)

b1 = Button(top, text='Total', bg='brown', fg='white', width=10, height=2, command=fun).place(x=650, y=590)

def welcome():
    top.txtarea.delete('1.0', END)
    top.txtarea.insert(END, "\t welcome Hari Mall")
    top.txtarea.insert(END, f"\n Bill Number :{top.e3.get()}")
    top.txtarea.insert(END, f"\n Customer Name :{top.e1.get()}")
    top.txtarea.insert(END, f"\n Customer Phno :{top.e2.get()}")
    top.txtarea.insert(END, f"\n *****")
    top.txtarea.insert(END, f"\n Product\t\t QTY \t\t Price")
    top.txtarea.insert(END, f"\n *****")

```



```

def f():
    welcome()
    # Cosmetic bill
    if top.e4.get() != 0:
        top.txtarea.insert(END, f"\n Bath Soap\t\t {top.e4.get()}\t\t{top.e4.get() * 40} ")
    if top.e5.get() != 0:
        top.txtarea.insert(END, f"\n Face Cream \t\t {top.e5.get()}\t\t{top.e5.get() * 80} ")
    if top.e6.get() != 0:
        top.txtarea.insert(END, f"\n Face Wash\t\t {top.e6.get()}\t\t{top.e6.get() * 120} ")
    if top.e7.get() != 0:
        top.txtarea.insert(END, f"\n Hair Spray\t\t {top.e7.get()}\t\t{top.e7.get() * 60} ")
    if top.e8.get() != 0:
        top.txtarea.insert(END, f"\n Body Lotion\t\t {top.e8.get()}\t\t{top.e8.get() * 150} ")

    # grocerybill
    if top.e9.get() != 0:
        top.txtarea.insert(END, f"\n Rice\t\t {top.e9.get()}\t\t{top.e9.get() * 1200} ")
    if top.e10.get() != 0:
        top.txtarea.insert(END, f"\n Food Oil \t\t {top.e10.get()}\t\t{top.e10.get() * 300} ")
    if top.e11.get() != 0:
        top.txtarea.insert(END, f"\n Jaggery\t\t {top.e11.get()}\t\t{top.e11.get() * 250} ")
    if top.e12.get() != 0:
        top.txtarea.insert(END, f"\n Urad Dal\t\t {top.e12.get()}\t\t{top.e12.get() * 60} ")
    if top.e13.get() != 0:
        top.txtarea.insert(END, f"\n Wheat\t\t {top.e13.get()}\t\t{top.e13.get() * 450} ")

```

```

# other bill
if top.e14.get() != 0:
    top.txtarea.insert(END, f"\n Biscuit\t\t {top.e14.get()}\t\t{top.e14.get() * 20} ")
if top.e15.get() != 0:
    top.txtarea.insert(END, f"\n Slice \t\t {top.e15.get()}\t\t{top.e15.get() * 70} ")
if top.e16.get() != 0:
    top.txtarea.insert(END, f"\n Coke\t\t {top.e16.get()}\t\t{top.e16.get() * 80} ")
if top.e17.get() != 0:
    top.txtarea.insert(END, f"\n Mazaa\t\t {top.e17.get()}\t\t{top.e17.get() * 50} ")
if top.e18.get() != 0:
    top.txtarea.insert(END, f"\n Tilo\t\t {top.e18.get()}\t\t{top.e18.get() * 80} ")
top.txtarea.insert(END, f"\n *****")
if top.e22.get() != 0:
    top.txtarea.insert(END, f"\n Cosmetic Tax\t\t {top.e22.get()} ")
if top.e23.get() != 0:
    top.txtarea.insert(END, f"\n Grocery Tax \t\t {top.e23.get()} ")
if top.e24.get() != 0:
    top.txtarea.insert(END, f"\n Other Tax\t\t {top.e24.get()} ")

top.txtarea.insert(END, f"\n *****")
top.txtarea.insert(END, f"\n Total Bill\t\t {str(top.total_bill)} ")

```

```

# customer detail
top.e1.set("")
top.e2.set("")
top.e3.set("")

# cosmetic
top.e4.set(0)
top.e5.set(0)
top.e6.set(0)
top.e7.set(0)
top.e8.set(0)

# grocery
top.e9.set(0)
top.e10.set(0)
top.e11.set(0)

b2 = Button(top, text='Generate Bill', bg='brown', fg='white', width=17, height=2, command=f).place(x=800, y=590)
welcome()
b3 = Button(top, text='Clear', bg='brown', fg='white', command=clear, width=10, height=2).place(x=990, y=590)

```

```

def exit():
    top.destroy()

b4 = Button(top, text='Exit', bg='red', fg='white', command=exit, width=10, height=2).place(x=1150, y=590)

top.mainloop()

```

OUTPUT:

billing software

BILLING SOFTWARE

customer detail

CustomerName: CustomerPhoneNo: BillNo:

Cosmetics	Grocery	Others
Bath Soap: <input type="text" value="1"/>	Rice: <input type="text" value="0"/>	Biscuits: <input type="text" value="0"/>
Face Cream: <input type="text" value="0"/>	Food Oil: <input type="text" value="1"/>	Slice: <input type="text" value="0"/>
Face Wash: <input type="text" value="0"/>	Jaggery: <input type="text" value="0"/>	Coke: <input type="text" value="1"/>
Hair Spray: <input type="text" value="0"/>	Urad Dal: <input type="text" value="1"/>	Mazaa: <input type="text" value="0"/>
Body Lotion: <input type="text" value="1"/>	Wheat: <input type="text" value="0"/>	Tilo: <input type="text" value="0"/>

Bill Area

welcome Hari Mall

Bill Number :1

Customer Name :hari

Customer Phno :1234567890

Product	QTY	Price
Bath Soap	1	40
Body Lotion	1	150
Food Oil	1	300
Urad Dal	1	60
Coke	1	80

Cosmetic Tax Rs, 19.0

Grocery Tax Rs, 36.0

Other Tax Rs, 1.6

Total Bill 686.6

Bill Menu

Total Cosmetics: <input type="text" value="190"/>	Cosmetics Tax: <input type="text" value="Rs, 19.0"/>
Total grocery: <input type="text" value="360"/>	Grocery Tax: <input type="text" value="Rs, 36.0"/>
Total Others: <input type="text" value="80"/>	Others Tax: <input type="text" value="Rs, 1.6"/>

4.SOURCE CODE:

```
from tkinter import *  
top = Tk()  
top.configure(bg='red')  
top.geometry('1350x800')  
top.title('billing software')  
l = Label(top, text='BILLING SOFTWARE', bg='orange',  
width=700, height=1, font=("Times New Roman", 20),  
borderwidth=5,  
relief='sunken')  
l.pack(padx=50, pady=10)  
  
# customer detail  
top.e1 = StringVar()  
top.e2 = StringVar()  
top.e3 = StringVar()  
  
# cosmetics  
top.e4 = IntVar()  
top.e5 = IntVar()
```

top.e6 = IntVar()

top.e7 = IntVar()

top.e8 = IntVar()

grocery

top.e9 = IntVar()

top.e10 = IntVar()

top.e11 = IntVar()

top.e12 = IntVar()

top.e13 = IntVar()

others

top.e14 = IntVar()

top.e15 = IntVar()

top.e16 = IntVar()

top.e17 = IntVar()

top.e18 = IntVar()

bill menu

top.e19 = StringVar()

```
top.e20 = StringVar()
top.e21 = StringVar()
top.e22 = StringVar()
top.e23 = StringVar()
top.e24 = StringVar()
```

```
# customer detail
```

```
lf = LabelFrame(top, text='customer detail', bg='orange',
bd=7, width=1250, height=75).place(x=50, y=55)

cname = Label(top, text='CustomerName:', bg='orange',
font=('Times New Roman', 11)).place(x=57, y=90)

e1 = Entry(top, width=30, textvariable=top.e1,
font=('arial', 11), borderwidth=5,
relief='sunken').place(x=160, y=87)

cphn = Label(top, text='CustomerPhoneNo:', bg='orange',
font=('Times New Roman', 11)).place(x=430, y=90)

e2 = Entry(top, width=30, textvariable=top.e2,
font=('arial', 11), borderwidth=5,
relief='sunken').place(x=555, y=87)

billno = Label(top, text='BillNo:', bg='orange',
font=('Times New Roman', 11)).place(x=820, y=90)
```

```
e3 = Entry(top, width=30, textvariable=top.e3,  
font=('arial', 11), borderwidth=5,  
relief='sunken').place(x=870, y=87)  
  
b = Button(top, text='Enter', bg='brown', fg='white',  
width=10, height=1).place(x=1170, y=85)
```

```
# cosmetics
```

```
lf1 = LabelFrame(top, text='Cosmetics', bg='orange',  
bd=7, width=300, height=400).place(x=50, y=130)  
  
bathsoap = Label(top, text='Bath Soap:', bg='orange',  
font=('Times New Roman', 11)).place(x=65, y=170)  
  
e4 = Entry(top, width=10, textvariable=top.e4,  
font=('arial', 19), borderwidth=5,  
relief='sunken').place(x=160, y=165)  
  
facecream = Label(top, text='Face Cream:', bg='orange',  
font=('Times New Roman', 11)).place(x=65, y=240)  
  
e5 = Entry(top, width=10, textvariable=top.e5,  
font=('arial', 19), borderwidth=5,  
relief='sunken').place(x=160, y=230)  
  
facewash = Label(top, text='Face Wash:', bg='orange',  
font=('Times New Roman', 11)).place(x=65, y=310)
```

```

e6 = Entry(top, width=10, textvariable=top.e6,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=160, y=300)

hairspray = Label(top, text='Hair Spray:', bg='orange',
font=('Times New Roman', 11)).place(x=65, y=380)

e7 = Entry(top, width=10, textvariable=top.e7,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=160, y=370)

bodylotion = Label(top, text='Body Lotion:',
bg='orange', font=('Times New Roman', 11)).place(x=65,
y=460)

e8 = Entry(top, width=10, textvariable=top.e8,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=160, y=450)

```

```

# grocery

```

```

lf2 = LabelFrame(top, text='Grocery', bg='orange', bd=7,
width=300, height=400).place(x=350, y=130)

Rice = Label(top, text='Rice:', bg='orange', font=('Times
New Roman', 11)).place(x=370, y=170)

e9 = Entry(top, width=10, textvariable=top.e9,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=450, y=165)

```



```

foodoil = Label(top, text='Food Oil:', bg='orange',
font=('Times New Roman', 11)).place(x=370, y=240)

e10 = Entry(top, width=10, textvariable=top.e10,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=450, y=230)

jaggery = Label(top, text='Jaggery:', bg='orange',
font=('Times New Roman', 11)).place(x=370, y=310)

e11 = Entry(top, width=10, textvariable=top.e11,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=450, y=300)

uraddal = Label(top, text='Urad Dal:', bg='orange',
font=('Times New Roman', 11)).place(x=370, y=380)

e12 = Entry(top, width=10, textvariable=top.e12,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=450, y=370)

wheat = Label(top, text='Wheat:', bg='orange',
font=('Times New Roman', 11)).place(x=370, y=460)

e13 = Entry(top, width=10, textvariable=top.e13,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=450, y=450)

```

```
# others
```

```

lf3 = LabelFrame(top, text='Others', bg='orange', bd=7,
width=300, height=400).place(x=650, y=130)

biscuits = Label(top, text='Biscuits:', bg='orange',
font=('Times New Roman', 11)).place(x=670, y=170)

e14 = Entry(top, width=10, textvariable=top.e14,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=750, y=165)

slice = Label(top, text='Slice:', bg='orange', font=('Times
New Roman', 11)).place(x=670, y=240)

e15 = Entry(top, width=10, textvariable=top.e15,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=750, y=240)

coke = Label(top, text='Coke:', bg='orange', font=('Times
New Roman', 11)).place(x=670, y=310)

e16 = Entry(top, width=10, textvariable=top.e16,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=750, y=300)

mazaa = Label(top, text='Mazaa:', bg='orange',
font=('Times New Roman', 11)).place(x=670, y=380)

e17 = Entry(top, width=10, textvariable=top.e17,
font=('arial', 19), borderwidth=5,
relief='sunken').place(x=750, y=370)

```

```
tilo = Label(top, text='Tilo:', bg='orange', font=('Times  
New Roman', 11)).place(x=670, y=460)
```

```
e18 = Entry(top, width=10, textvariable=top.e18,  
font=('arial', 19), borderwidth=5,  
relief='sunken').place(x=750, y=450)
```

```
# bill area
```

```
f = Frame(top, bg='orange', bd=10, relief=GROOVE)
```

```
f.place(x=955, y=135, width=347, height=390)
```

```
billtitle = Label(f, text="Bill Area", bg='orange',  
font="arial 15 bold", bd=7,  
relief=GROOVE).pack(fill=X)
```

```
scrol_y = Scrollbar(f, orient=VERTICAL)
```

```
top.txtarea = Text(f, yscrollcommand=scrol_y.set)
```

```
scrol_y.pack(side=RIGHT, fill=Y)
```

```
scrol_y.config(command=top.txtarea.yview)
```

```
top.txtarea.pack(fill=BOTH, expand=1)
```

```
# bill menu
```

```
lf4 = LabelFrame(top, text='Bill Menu', bg='orange',  
bd=7, width=1250, height=145).place(x=50, y=527)
```

```
totalcosmetics = Label(lf4, text='Total Cosmetics:',  
bg='orange', font=('Times New Roman', 11)).place(x=57,  
y=555)
```

```
e19 = Entry(top, width=15, textvariable=top.e19,  
font=('arial', 12), borderwidth=5,  
relief='sunken').place(x=165, y=555)
```

```
totalgrocery = Label(lf4, text='Total grocery:',  
bg='orange', font=('Times New Roman', 11)).place(x=57,  
y=600)
```

```
e20 = Entry(top, width=15, textvariable=top.e20,  
font=('arial', 12), borderwidth=5,  
relief='sunken').place(x=165, y=595)
```

```
totalothers = Label(lf4, text='Total Others:', bg='orange',  
font=('Times New Roman', 11)).place(x=57, y=635)
```

```
e21 = Entry(top, width=15, textvariable=top.e21,  
font=('arial', 12), borderwidth=5,  
relief='sunken').place(x=165, y=630)
```

```
cosmeticstax = Label(lf4, text='Cosmetics Tax:',  
bg='orange', font=('Times New Roman',  
11)).place(x=350, y=555)
```

```

e22 = Entry(top, width=15, textvariable=top.e22,
font=('arial', 12), borderwidth=5,
relief='sunken').place(x=455, y=555)

grocerytax = Label(lf4, text='Grocery Tax:', bg='orange',
font=('Times New Roman', 11)).place(x=350, y=600)

e23 = Entry(top, width=15, textvariable=top.e23,
font=('arial', 12), borderwidth=5,
relief='sunken').place(x=455, y=595)

otherstax = Label(lf4, text='Others Tax:', bg='orange',
font=('Times New Roman', 11)).place(x=350, y=635)

e24 = Entry(top, width=15, textvariable=top.e24,
font=('arial', 12), borderwidth=5,
relief='sunken').place(x=455, y=630)

```

```
def fun():
```

```
    # cosmetic
```

```
    top.c_s_p = top.e4.get() * 40
```

```
    top.c_fc_p = top.e5.get() * 80
```

```
    top.c_fw_p = top.e6.get() * 120
```

```
    top.c_hs_p = top.e7.get() * 60
```

```

top.c_bl_p = top.e8.get() * 150
top.total_cosmetic_price = (
    top.c_s_p +
    top.c_fc_p +
    top.c_fw_p +
    top.c_hs_p +
    top.c_bl_p
)
top.e19.set(str(top.total_cosmetic_price))
top.c_tax = (top.total_cosmetic_price * 0.10)
top.e22.set("Rs, " + str(top.c_tax))

```

grocery

```

top.g_r_p = top.e9.get() * 1200
top.g_fo_p = top.e10.get() * 300
top.g_j_p = top.e11.get() * 250
top.g_u_p = top.e12.get() * 60
top.g_w_p = top.e13.get() * 450

```

```

top.total_grocery_price = (

```

```

top.g_r_p +
top.g_fo_p +
top.g_j_p +
top.g_u_p +
top.g_w_p
)
top.e20.set(str(top.total_grocery_price))
top.g_tax = (top.total_grocery_price * 0.10)
top.e23.set("Rs, " + str(top.g_tax))

```

```

# other
top.o_b_p = top.e14.get() * 20
top.o_s_p = top.e15.get() * 70
top.o_c_p = top.e16.get() * 80
top.o_m_p = top.e17.get() * 50
top.o_t_p = top.e18.get() * 80
top.total_other_price = (
    top.o_b_p +
    top.o_s_p +
    top.o_c_p +

```

```

        top.o_m_p +
        top.o_t_p
    )
    top.e21.set(str(top.total_other_price))
    top.o_tax = (top.total_other_price * 0.02)
    top.e24.set("Rs, " + str(top.o_tax))

```

totalBill

```

top.total_bill = (
    top.total_cosmetic_price +
    top.c_tax +
    top.total_grocery_price +
    top.g_tax +
    top.total_other_price +
    top.o_tax
)

```

```

b1 = Button(top, text='Total', bg='brown', fg='white',
width=10, height=2, command=fun).place(x=650, y=590)

```



```

def welcome():
    top.txtarea.delete('1.0', END)
    top.txtarea.insert(END, "\t welcome Hari Mall")
    top.txtarea.insert(END, f"\n Bill Number
:{top.e3.get()}")
    top.txtarea.insert(END, f"\n Customer Name
:{top.e1.get()}")
    top.txtarea.insert(END, f"\n Customer Phno
:{top.e2.get()}")
    top.txtarea.insert(END, f"\n
*****")
    top.txtarea.insert(END, f"\n Product\t\t QTY \t\tPrice")
    top.txtarea.insert(END, f"\n
*****")

```

```

def f():
    welcome()
    # Cosmetic bill

```

```
if top.e4.get() != 0:
    top.txtarea.insert(END, f"\n Bath Soap\t\t{top.e4.get()}\t\t{top.e4.get() * 40} ")
if top.e5.get() != 0:
    top.txtarea.insert(END, f"\n Face Cream \t\t{top.e5.get()}\t\t{top.e5.get() * 80} ")
if top.e6.get() != 0:
    top.txtarea.insert(END, f"\n Face Wash\t\t{top.e6.get()}\t\t{top.e6.get() * 120} ")
if top.e7.get() != 0:
    top.txtarea.insert(END, f"\n Hair Spray\t\t{top.e7.get()}\t\t{top.e7.get() * 60} ")
if top.e8.get() != 0:
    top.txtarea.insert(END, f"\n Body Lotion\t\t{top.e8.get()}\t\t{top.e8.get() * 150} ")

# grocerybill

if top.e9.get() != 0:
    top.txtarea.insert(END, f"\n Rice\t\t{top.e9.get()}\t\t{top.e9.get() * 1200} ")
if top.e10.get() != 0:
```

```
top.txtarea.insert(END, f"\n Food Oil \t\t  
{top.e10.get()}\t\t{top.e10.get() * 300} ")
```

```
if top.e11.get() != 0:
```

```
top.txtarea.insert(END, f"\n Jaggery\t\t{top.e11.get()}\t\t{top.e11.get() * 250} ")
```

```
if top.e12.get() != 0:
```

```
top.txtarea.insert(END, f"\n Urad Dal\t\t{top.e12.get()}\t\t{top.e12.get() * 60} ")
```

```
if top.e13.get() != 0:
```

```
top.txtarea.insert(END, f"\n Wheat\t\t{top.e13.get()}\t\t{top.e13.get() * 450} ")
```

other bill

```
if top.e14.get() != 0:
```

```
top.txtarea.insert(END, f"\n Biscuit\t\t{top.e14.get()}\t\t{top.e14.get() * 20} ")
```

```
if top.e15.get() != 0:
```

```
top.txtarea.insert(END, f"\n Slice \t\t{top.e15.get()}\t\t{top.e15.get() * 70} ")
```

```
if top.e16.get() != 0:
```

```

        top.txtarea.insert(END, f"\n Coke\t\t
{top.e16.get()}\t\t{top.e16.get() * 80} ")
        if top.e17.get() != 0:
            top.txtarea.insert(END, f"\n Mazaa\t\t
{top.e17.get()}\t\t{top.e17.get() * 50} ")
        if top.e18.get() != 0:
            top.txtarea.insert(END, f"\n Tilo\t\t
{top.e18.get()}\t\t{top.e18.get() * 80} ")
        top.txtarea.insert(END, f"\n
*****")
        if top.e22.get() != 0:
            top.txtarea.insert(END, f"\n Cosmetic Tax\t\t
{top.e22.get()} ")
        if top.e23.get() != 0:
            top.txtarea.insert(END, f"\n Grocery Tax \t\t
{top.e23.get()} ")
        if top.e24.get() != 0:
            top.txtarea.insert(END, f"\n Other Tax\t\t
{top.e24.get()} ")

```

```
top.txtarea.insert(END, f"\n
*****")
```

```
top.txtarea.insert(END, f"\n Total Bill\t\t
{str(top.total_bill)} ")
```

```
def clear():
```

```
    # customer detail
```

```
    top.e1.set("")
```

```
    top.e2.set("")
```

```
    top.e3.set("")
```

```
    # cosmetic
```

```
    top.e4.set(0)
```

```
    top.e5.set(0)
```

```
    top.e6.set(0)
```

```
    top.e7.set(0)
```

```
    top.e8.set(0)
```

```
    # grocery
```

```
top.e9.set(0)
```

```
top.e10.set(0)
```

```
top.e11.set(0)
```

```
b2 = Button(top, text='Generate Bill', bg='brown',  
fg='white', width=17, height=2,  
command=f).place(x=800, y=590)
```

```
welcome()
```

```
b3 = Button(top, text='Clear', bg='brown', fg='white',  
command=clear, width=10, height=2).place(x=990,  
y=590)
```

```
def exit():
```

```
    top.destroy()
```

```
b4 = Button(top, text='Exit', bg='red', fg='white',  
command=exit, width=10, height=2).place(x=1150,  
y=590)
```

```
top.mainloop()
```

5.CONCLUSION:

The outcome of the all the time hard work is here.We have a system which takes the necessary choice of the customers according to the filter like category of the product.This is achieved through an easy to use graphical interface menu options.The users can add any number of items to the cart from any of the available product categories.

Customer according to the choice pay bill via cash method.Hence all the process works perfect,full filling pf demand.

6.FUTURE ENHANCEMENT:

- This project will help the store keeper in fast billing.
- This project enable store keeper to maintain a great database of all customers visited and purchase from store.
- Project will enable to see report regarding product and category.
- It is easy to maintain in future prospect

7.REFERENCE: