

Assignment- 11

ELP - 718 Telecom Software Laboratory

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2019JTM2674

2019-21

A report on Python with Kivy



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October 23, 2019

Contents

Objective Statement

To test our understanding on implementation of kivy using python and to develop a application for bank account management

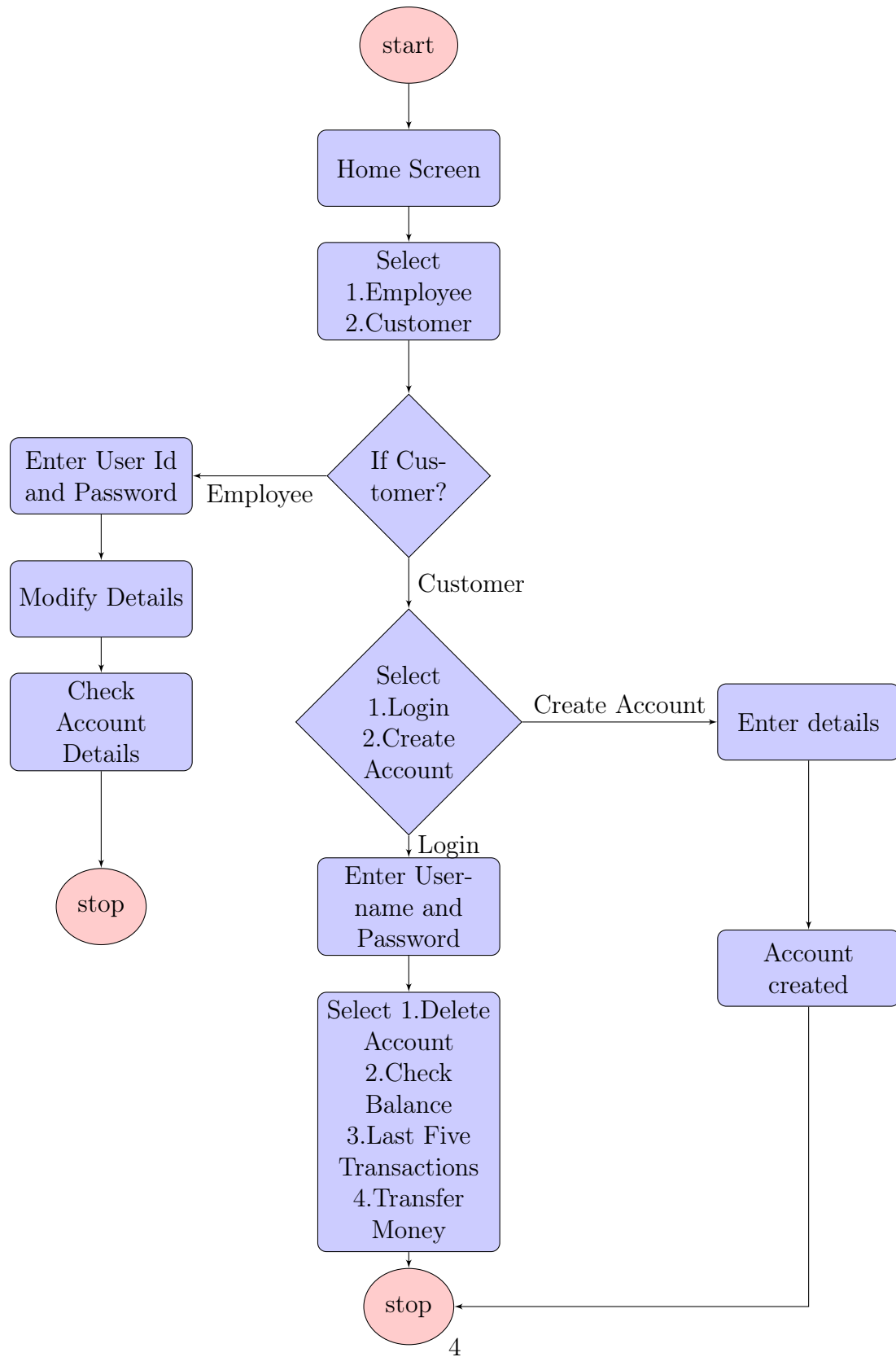
1 Problem Statement -1

To design a Application for bank where user can create account, check balance, check last transactions, change password. Employee can update details of particular bank.

1.1 Algorithm and Implementation

- Create static screens for user, employee login
- Create database and tables as required
- Customer screen should validate password and also have provision for changing password
- Customer should be able to create a new account, delete account, check balance and money transfer
- Employee once logged in can modify user details
- Employee should be able to see bank details of customers
- Password validation is done using randomly generated OTP
- Respective Popups should be displayed when customer performs certain tasks.

1.2 Flowchart



1.3 Test Cases

1.3.1 Input

Enter

1.Employee

2.Customer

1.3.2 Output

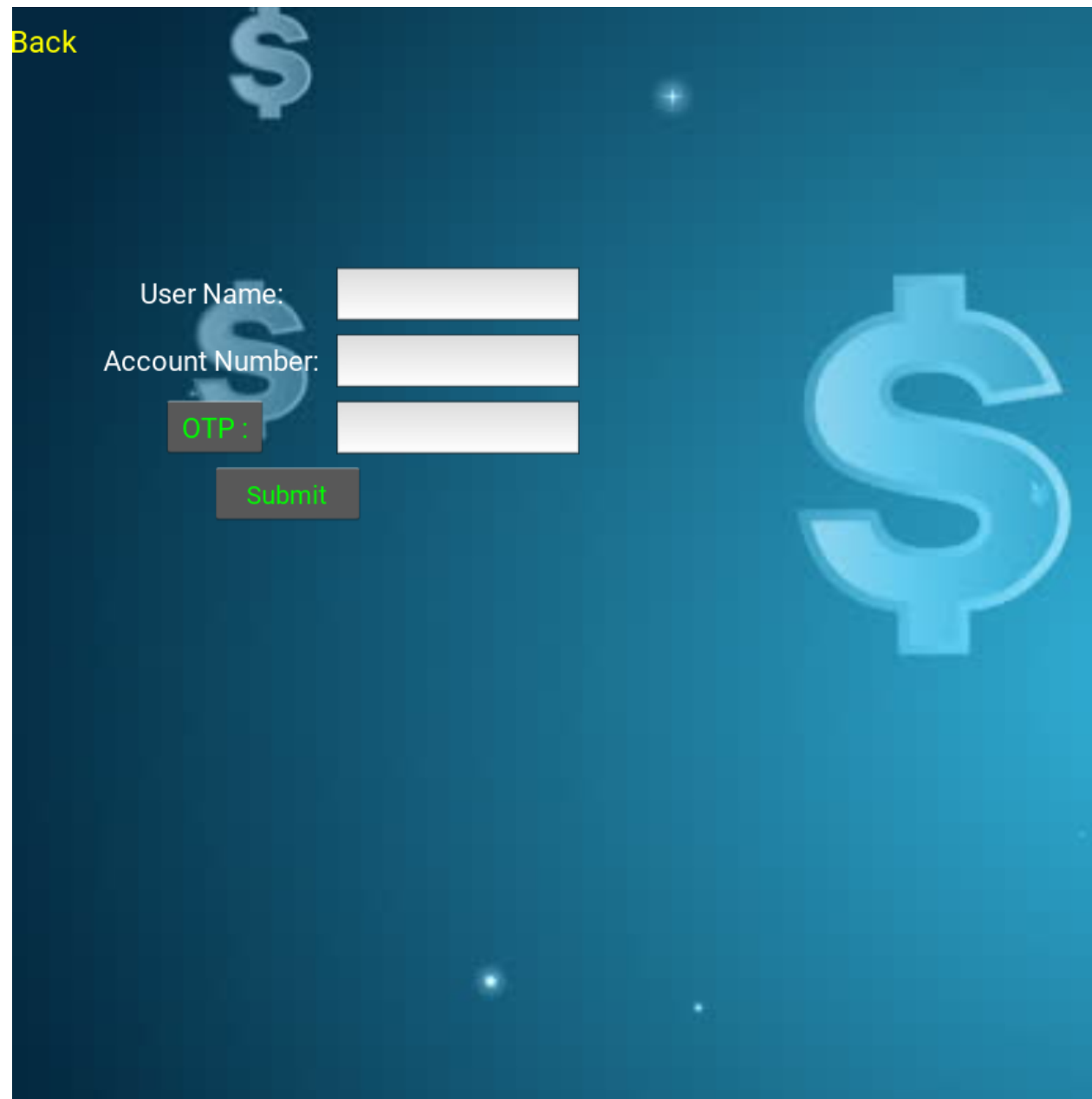
[Back](#)

User Name:

Account Number:

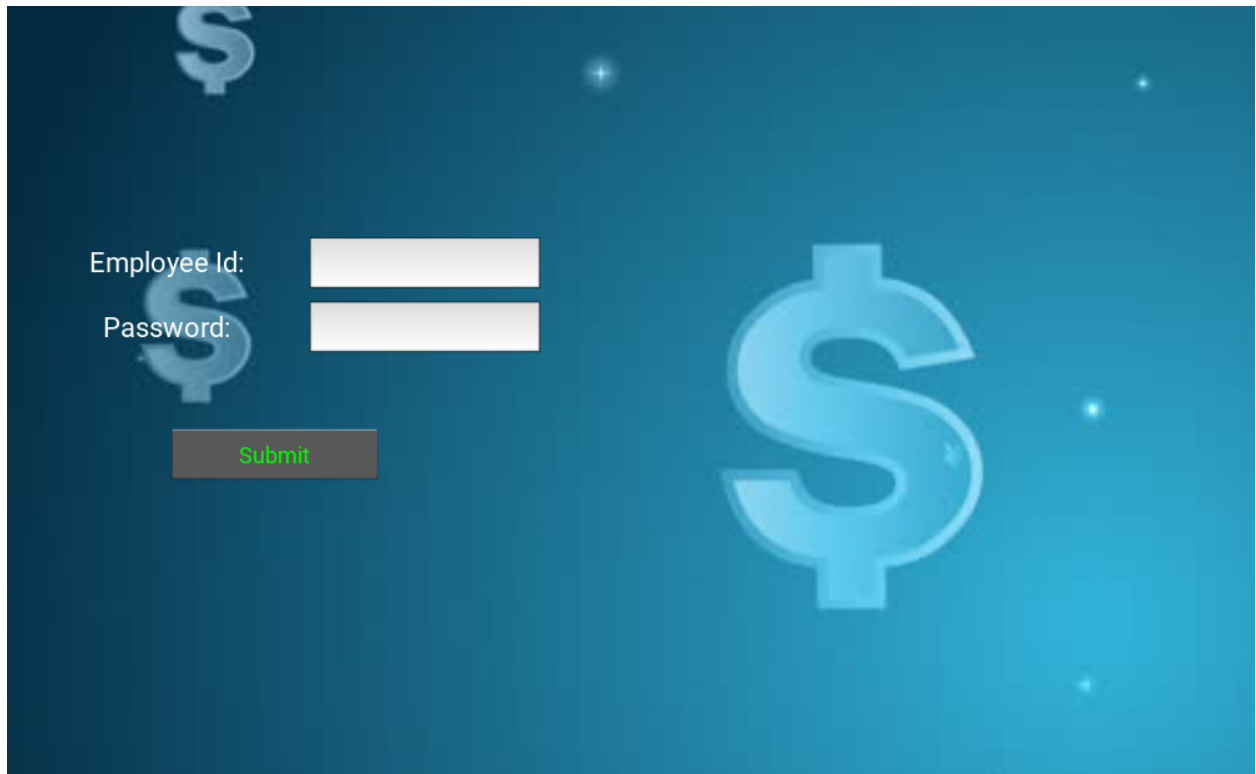
OTP :

Submit



1.4 Screenshots

1.4.1 Screenshot1



1.4.2 Screenshot2

Back

\$

Name:

Date Of Birth:

Address :

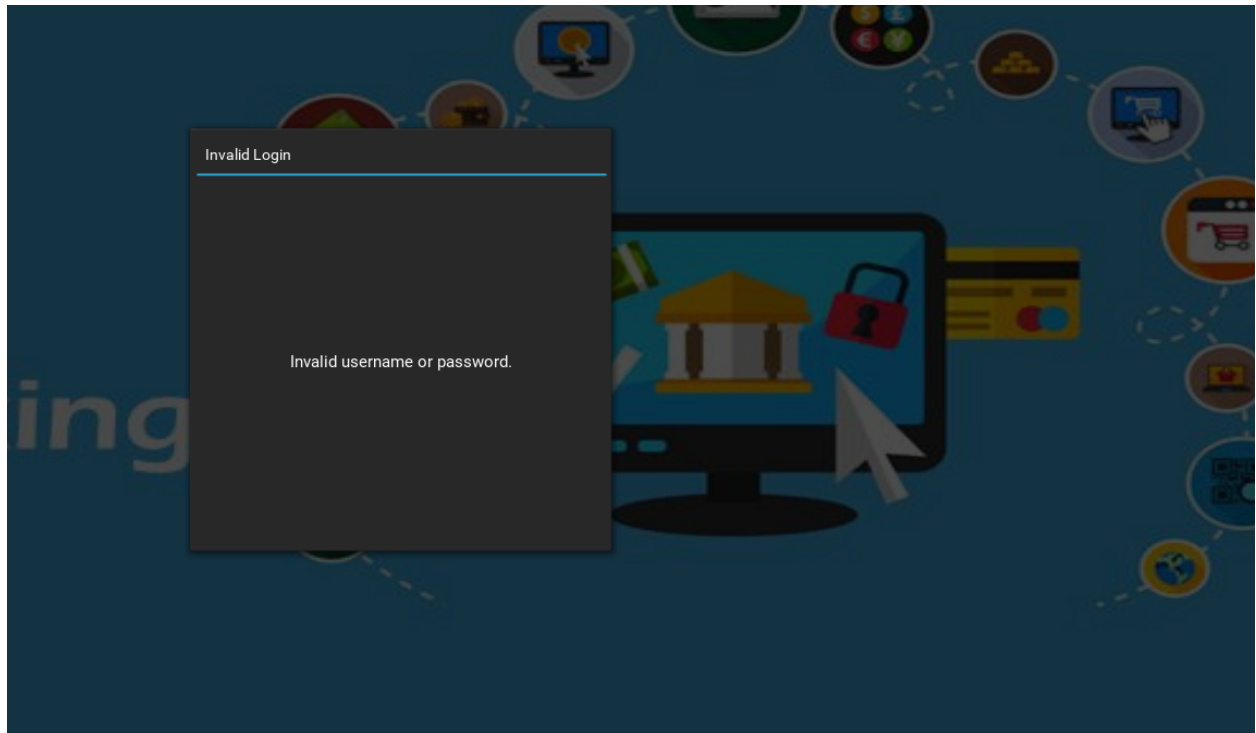
Country :

Bank :

Mobile No ::

\$

1.4.3 Screenshot2



Appendices

Problem 1

Python Code

code:

```
# Import library for kivy
import kivy
from kivy.app import App
from kivy.uix.label import Label
from kivy.lang import Builder
from kivy.uix.screenmanager import ScreenManager, Screen , FadeTransition
from kivy.uix.widget import Widget
from kivy.graphics import Line
from kivy.uix.textinput import TextInput
from kivy.uix.gridlayout import GridLayout
from kivy.uix.floatlayout import FloatLayout
from kivy.core.window import Window
from kivy.properties import ObjectProperty
import pymysql
from getpass import getpass
from kivy.uix.floatlayout import FloatLayout
from random import randint
from kivy.uix.popup import Popup
from datetime import datetime

now = datetime.now()
acc_num = ''
flag = ''

#Establishing connection with user and database
mydb = pymysql.connect(
    host="localhost",
    user="root",
    passwd="root",
    database="bank_db"
)
```

```

#Setting up the cursorfrom kivy.uix.floatlayout import FloatLayout
mycursor = mydb.cursor()

class Widgets(Widget):
    pass

class MainScreen(Screen):
    pass

class LoginScreen(Screen):
    pass

class CustomerScreen(Screen):
    username = ObjectProperty(None)
    user_pass = ObjectProperty(None)
    def onuserbtn(self):
        try:
            mycursor.execute("select password from customer where name='%s'"%self.username)
            user_list = list(mycursor.fetchall())
            mycursor.execute("select account_no from customer where name='%s'"%self.username)
            new = list(mycursor.fetchall())
            global acc_num
            acc_num = str(new[0][0])
            print(acc_num)
            #print(emp_list)
            if str(user_list[0][0]) == self.user_pass.text:
                print("Login Sucessfull")
                self.user_pass.text = " "
                self.username.text = " "
                presentation.current = "select"
            else:
                invalidUser()
                presentation.current = "main"
                self.user_pass.text = " "
                self.username.text = " "
        except:
            presentation.current = "main"
            invalidUser()
            self.user_pass.text = " "
            self.username.text = " "

```

```

class EmployeeScreen(Screen):
    accdet = ObjectProperty(None)
    i=0
    def onaccdet(self):
        mycursor.execute("select * from customer")
        acc_list = list(mycursor.fetchall())
        for cus in acc_list:
            for i in cus:
                #print(i)
                self.accdet.text = self.accdet.text + str(i) + ' '
            self.accdet.text = self.accdet.text + '\n'

class UpdateScreen(Screen):
    uadd = ObjectProperty(None)
    umob = ObjectProperty(None)
    udob = ObjectProperty(None)
    uacc = ObjectProperty(None)
    def onUaddSubmitBtn(self):
        try:
            mycursor.execute("update customer set address=case when address is not null")
            mycursor.execute("update customer set mobile_no=case when mobile_no is not null")
            mycursor.execute("update customer set dob=case when dob is not null then '%s'" % self.udob.text)
            mydb.commit()
            content = "Details of AccNo."+str(self.uacc.text)+"\nare successfully updated"
            pop = Popup(title='Updte Details',
                        content=Label(text=content),
                        size_hint=(None, None), size=(400, 400))
            pop.open()
            self.uadd.text = ""
            self.umob.text = ""
            self.udob.text=""
            self.uacc.text=""
            presentation.current = 'main'
        except:
            invalidUser()

class CreateAccountScreen(Screen):
    custName = ObjectProperty(None)
    dob = ObjectProperty(None)
    address = ObjectProperty(None)
    country = ObjectProperty(None)

```

```

bank = ObjectProperty(None)
mobile = ObjectProperty(None)

def onSubmitBtn(self):
    #print(self.custName.text, "\n", self.bank.text)
    try:
        mycursor.execute("Insert into customer (name,dob,address,country,bank,mobile)
        mydb.commit()
        mycursor.execute("select account_no, bank from customer where name='%s'"%self.custName.text)
        select_list = list(mycursor.fetchall())
        #print(select_list[0][0],select_list[0][1])
        success(select_list[0][0],select_list[0][1])
        self.custName.text = ""
        self.dob.text = ""
        self.address.text = ""
        self.country.text = ""
        self.bank.text = ""
        self.mobile.text= ""
    except:
        invalidUser()
        self.custName.text = ""

class ForgetScreen(Screen):
    global rand_num
    rand_num = randint(1000,9999)
    fgname = ObjectProperty(None)
    fgacc = ObjectProperty(None)
    otp = ObjectProperty(None)

    def onotp(self):

        content = "OTP for forget password is:"+str(rand_num)
        pop = Popup(title='OTP',
                    content=Label(text=content),
                    size_hint=(None, None), size=(400, 400))
        pop.open()
    def forgetbtn(self):

        global for_accno
        for_accno = self.fgacc.text
        #print(for_accno)

```

```

        if self.otp.text == str(rand_num) :
            presentation.current = 'forpass'
        else:
            invalidUser()
            presentation.current = 'forpass'

class ForgetPassScreen(Screen):
    forpassword = ObjectProperty(None)

    def onnewpass(self):
        print(for_accno)
        mycursor.execute("update customer set password='%s' where account_no=%d"%(self.f
        mydb.commit()
        content = "Password Changed Successfully"
        pop = Popup(title='Password Change',
                    content=Label(text=content),
                    size_hint=(None, None), size=(400, 400))
        pop.open()
        presentation.current = 'Customer'

class SelectOptionScreen(Screen):
    bal = ObjectProperty(None)
    five = ObjectProperty(None)
    k=0
    p=''
    #print(acc_num)
    def onbal(self,*args):
        mycursor.execute("select max(id) from balance where acc_no='%s'"%str(acc_num))
        max_id = list(mycursor.fetchall())
        k=max_id[0][0]
        mycursor.execute("select updated_balance from balance where id=%d"%k)
        cur_bal = list(mycursor.fetchall())
        p = str(cur_bal[0][0])
        #print(p)
        self.bal.text = self.bal.text+ "RS"+ p

    def onfive(self):
        mycursor.execute("select * from balance where acc_no = '%s' order by id desc lim
        five_list = list(mycursor.fetchall())

```

```

        for t in five_list:
            for i in t:
                #print(i)
                self.five.text = self.five.text + str(i) + ' '
            self.five.text = self.five.text + '\n'
def onback(self):
    self.bal.text = ' '
    self.five.text = ' '

def ondelete(self):
    try:
        mycursor.execute("delete from customer where account_no=%d"%int(acc_num))
        mydb.commit()
        content = "Your Account is deleted\n"+str(acc_num)
        pop = Popup(title='Delete Account',
                    content=Label(text=content),
                    size_hint=(None, None), size=(400, 400))
        pop.open()
        presentation.current = 'main'
    except:
        content = "You doesn't have account in this bank"
        pop = Popup(title='Delete Account',
                    content=Label(text=content),
                    size_hint=(None, None), size=(400, 400))
        pop.open()
        presentation.current = 'main'

class MoneyTransferScreen(Screen):
    tran_acc = ObjectProperty(None)
    tran_mob = ObjectProperty(None)
    tran_name = ObjectProperty(None)
    tran_amt = ObjectProperty(None)
    def onClickMT(self):
        mycursor.execute("select name,mobile_no from customer where account_no=%d"%int(s
        tran_list = list(mycursor.fetchall())
        self.tran_name.text = self.tran_name.text+str(tran_list[0][0])
        self.tran_mob.text = self.tran_mob.text+str(tran_list[0][1])
    def onTransfer(self):
        amt = int(self.tran_amt.text)
        mycursor.execute("select updated_balance from balance where acc_no='%s'"%self.tr
        q_list = list(mycursor.fetchall())

```



```

amt = amt+int(q_list[0][0])
print(amt)
mycursor.execute("update balance set updated_balance = '%s' where acc_no='%s'"%(
mycursor.execute("select updated_balance from balance where acc_no='%s'"%str(acc
a_list = list(mycursor.fetchall())
u_amt = int(a_list[0][0])-amt
print(u_amt)
mycursor.execute("update balance set updated_balance = '%s' where acc_no='%s'"%(
mydb.commit()

```

```

class SelectBankScreen(Screen):
    pass

```

```

class EmployeeLoginScreen(Screen):
    empname = ObjectProperty(None)
    emp_pass = ObjectProperty(None)
    def onEmpSubmitBtn(self):
        try:
            mycursor.execute("select password from employee where user_id='%s'"%self.emp
            emp_list = list(mycursor.fetchall())
            #print(emp_list)
            if str(emp_list[0][0]) == self.emp_pass.text:
                #print("Login Sucessfull")
                self.empname.text = ""
                self.emp_pass.text = " "
                presentation.current = "Employee"
            else:
                invalidUser()
                self.empname.text = ""
                self.emp_pass.text = " "
                presentation.current = "main"
        except:
            invalidUser()
            self.empname.text = ""
            self.emp_pass.text = " "
            presentation.current = "main"

```

```

class ScreenManagement(ScreenManager):
    pass

```

```

def success(acc,b):

```

```

        content = "You are successfully registered for\n"+str(b)+"with \naccount number "+str(a)
        pop = Popup(title='Successful Registration',
                    content=Label(text=content),
                    size_hint=(None, None), size=(400, 400))
        pop.open()

def invalidUser():
    pop = Popup(title='Invalid Login',
                content=Label(text='Invalid username or password.'),
                size_hint=(None, None), size=(400, 400))
    pop.open()

presentation = Builder.load_file("my.kv")

# define class simplekivy
class Float_LayoutApp(App):
    def build(self):
        return presentation

if __name__ == "__main__":
    # Window.size = (1366, 768)
    # Window.fullscreen = True
    Float_LayoutApp().run()
    #global acc_num

```

Kivy Code

code:

```

#: import FadeTransition kivy.uix.screenmanager.FadeTransition

<Button>:
    font_size: 10
    color: 0,1,0,1
    size_hint: 0.3, 0.2

ScreenManagement:
    transition: FadeTransition()
    MainScreen:
    LoginScreen:

```

```

CustomerScreen:
EmployeeScreen:
CreateAccountScreen:
ForgetScreen:
EmployeeLoginScreen:
SelectBankScreen:
SelectOptionScreen:
UpdateScreen:
ForgetPassScreen:
MoneyTransferScreen:

```

```

<MainScreen>:
    name:"main"
    Image:
        source: 'image3.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        size_hint: 1,1
        keep_ratio:False
        allow_stretch: True
    Button:
        on_release: app.root.current = "Employeeelogin"
        text: "Employee"
        font_size: 20
        color: 1,0,0,1
        pos_hint: {"x": 0.16,'top':0.8 }
        size_hint: 0.06,0.06
        background_color: (0.5, 0.5, 0.5, 1)

    Button:
        on_release: app.root.current = "Login"
        text: "Customer"
        font_size: 20
        color: 1,0,0,1
        pos_hint: {"x": 0.16,'top':0.72}
        size_hint: 0.06,0.06
        background_color: (0.5, 0.5, 0.5, 1)

<EmployeeScreen>:
    name: "Employee"

```

```

accdet:accdet
Image:
    source: 'image6.png'
    width: dp(1900)
    height: dp(1500)
    size: self.size
    allow_stretch: True

Button:
    pos:root.right - self.width, root.top - self.height
    on_release: app.root.current = "main"
text: "Home"
    size_hint: 0.04,0.04
    pos_hint: {"right": 0.95, 'top':1}
    font_size: 24
    color: 1,0,0,1
    background_color: (0, 0, 0, 0)

Button:
    on_release: app.root.current = "update"
    text: "Update"
    font_size: 20
    color: 1,0,0,1
    pos_hint: {"x": 0.08,'top':0.8}
    size_hint: 0.06,0.06
    background_color: (0.5, 0.5, 0.5, 1)

Button:
text: "Account Details: "
pos_hint: {"x": 0.08,'top':0.72 }
size_hint: (0.08,0.06)
    font_size: 20
    background_color: (0.5, 0.5, 0.5, 1)
    color: 1,0,0,1
    on_release: root.onaccdet()

Label:
    id:accdet
    font_size: 20
    text:"Account Details of Customers: \n \nName      dob      address  country  ban
    pos_hint: {"x": 0.3,'top':0.45,'left':0.8}
    size_hint: (0.06,0.06)

```

```

<LoginScreen>:
    name: "Login"
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True

    Button:
pos:root.right - self.width, root.top - self.height
on_release: app.root.current = "main"
        text: "Home"
        size_hint: 0.04,0.04
        pos_hint: {"right": 0.95, 'top':1}
        font_size: 24
        color: 1,0,0,1
        background_color: (53, 14,25,0)

    Button:
        on_release: app.root.current = "Customer"
        text: "Login"
        font_size: 20
        color: 1,0,0,1
        pos_hint: {"x": 0.08,'top':0.8 }
        size_hint: 0.08,0.08
        background_color: (0.5, 0.5, 0.5, 1)

    Button:
        on_release: app.root.current = "CreateAccount"
        text: "Create Account"
        font_size: 20
        color: 1,0,0,1
        pos_hint: {"x": 0.08,'top':0.68}
        size_hint: 0.08,0.08
        background_color: (0.5, 0.5, 0.5, 1)

<CustomerScreen>:

```

```

name: "Customer"
    username:username
    user_pass:user_pass
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True
    Button:
pos:root.right - self.width, root.top - self.height
on_release: app.root.current = "main"
    text: "Home"
    size_hint: 0.04,0.04
    pos_hint: {"right": 0.95, 'top':1}
    font_size: 24
    color: 1,0,0,1
    background_color: (53, 14,25,0)
    Button:
on_release: app.root.current = "Login"
    text: "Back"
    size_hint: 0.06,0.06
    pos_hint: {"left": 0.98, 'top':1}
    font_size: 24
    color: 1,1,0,0
    background_color: (53, 14,25,0)

Label:
text: "Name: "
pos_hint: {"x": 0.5,'top':0.8 }
size_hint: (0.06,0.06)
font_size: 22
TextInput:
id:username
multiline:False
pos_hint: {"x": 0.55,'top':0.8 }
size_hint: (0.1,0.04)
    font_size: 22
Label:
text: "Password: "

```

```

pos_hint: {"x": 0.5,'top':0.72 }
size_hint: (0.04,0.04)
        font_size: 22
TextInput:
id:user_pass
multiline: False
pos_hint: {"x": 0.55,'top':0.72 }
size_hint: (0.1,0.04)
        font_size: 22
        password:True

```

```

Button:
text:"Submit"
pos_hint: {"x": 0.57,'top':0.65 }
size_hint: (0.06,0.04)
        font_size: 22
on_release:
        root.onuserbtn()
        Button:
text:"Forget Password?"
pos_hint: {"x": 0.5,'top':0.65 }
size_hint: (0.06,0.04)
        font_size: 16
        background_color: (0, 0, 0, 0)
        color: 0,0,0,0
        on_release:
app.root.current = "forget"

```

```

<CreateAccountScreen>:
    name: "CreateAccount"
    custName: custName
    dob:dob
    address:address
    country:country
    bank:bank
    mobile:mobile
    Image:
        source: 'image6.png'
        width: dp(1900)

```

```

        height: dp(1500)
        size: self.size
        allow_stretch: True

    Button:
pos:root.right - self.width, root.top - self.height
on_release: app.root.current = "main"
        text: "Home"
        size_hint: 0.06,0.06
        pos_hint: {"right": 0.95, 'top':1}
        font_size: 24
        color: 1,0,0,0
        background_color: (53, 14,25,0)

    Button:
on_release: app.root.current = "Login"
        text: "Back"
        size_hint: 0.06,0.06
        pos_hint: {"left": 0.98, 'top':1}
        font_size: 24
        color: 1,1,0,0
        background_color: (53, 14,25,0)

    Label:
text: "Name: "
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.04,0.04)
        font_size: 22

    TextInput:
id: custName
multiline:False
pos_hint: {"x": 0.15,'top':0.8 }
size_hint: (0.1,0.04)
        font_size: 22

    Label:
text: "Date Of Birth: "
pos_hint: {"x": 0.08,'top':0.75 }
size_hint: (0.04,0.04)
        font_size: 22

    TextInput:

```



```

        id:dob
multiline: False
pos_hint: {"x": 0.15,'top':0.75 }
size_hint: (0.1,0.04)
        font_size: 22
    Label:
        text:"Address :"
        pos_hint: {"x": 0.08,'top':0.7 }
size_hint: (0.04,0.04)
        font_size: 22
    TextInput:
        id:address
multiline: True
pos_hint: {"x": 0.15,'top':0.7 }
size_hint: (0.1,0.04)
        font_size: 22

    Label:
        text:"Country :"
        pos_hint: {"x": 0.08,'top':0.65 }
size_hint: (0.04,0.04)
        font_size: 22

    TextInput:
        id:country
multiline: False
pos_hint: {"x": 0.15,'top':0.65 }
size_hint: (0.1,0.04)
        font_size: 22

    Label:
        text:"Bank :"
        pos_hint: {"x": 0.08,'top':0.6 }
size_hint: (0.04,0.04)
        font_size: 22

    TextInput:
        id:bank
multiline: False
pos_hint: {"x": 0.15,'top':0.6 }
size_hint: (0.1,0.04)
        font_size: 22

```

```

Label:
    text:"Mobile No : :"
    pos_hint: {"x": 0.08,'top':0.55 }
size_hint: (0.04,0.04)
font_size: 22

```

```

TextInput:
    id:mobile
multiline: False
pos_hint: {"x": 0.15,'top':0.55 }
size_hint: (0.1,0.04)
font_size: 22

```

```

Button:
text:"Submit"
pos_hint: {"x": 0.1,'top':0.5 }
size_hint: (0.1,0.04)
font_size: 18
    on_release:
        root.onSubmitBtn()

```

```

<ForgetScreen>:
    name:"forget"
    ffname:fname
    fgacc:fgacc
    otp:otp
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True

```

```

Button:
pos:root.right - self.width, root.top - self.height
on_release: app.root.current = "main"

```

```

        text: "Home"
        size_hint: 0.06,0.06
        pos_hint: {"right": 0.95, 'top':1}
        font_size: 24
        color: 1,0,0,1
        background_color: (53, 14,25,0)

    Button:
on_release: app.root.current = "Login"
        text: "Back"
        size_hint: 0.06,0.06
        pos_hint: {"left": 0.98, 'top':1}
        font_size: 24
        color: 1,1,0,0
        background_color: (53, 14,25,0)

    Label:
text: "User Name: "
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.04,0.04)
font_size: 22
TextInput:
id:fgname
multiline:False
pos_hint: {"x": 0.15,'top':0.8 }
size_hint: (0.1,0.04)
        font_size: 22
    Label:
        font_size: 22
text: "Account Number: "
pos_hint: {"x": 0.08,'top':0.75 }
size_hint: (0.04,0.04)

    TextInput:
        id:fgacc
multiline: False
pos_hint: {"x": 0.15,'top':0.75 }
size_hint: (0.1,0.04)
        font_size: 22
    Button:
        font_size: 22

```

```

        text:"OTP :"
        pos_hint: {"x": 0.08,'top':0.7 }
size_hint: (0.04,0.04)
        on_release:
            root.onotp()

```

```

        TextInput:
            id:otp
multiline: False
pos_hint: {"x": 0.15,'top':0.7 }
size_hint: (0.1,0.04)
            font_size: 22
        Button:
text:"Submit"
pos_hint: {"x": 0.1,'top':0.65 }
size_hint: (0.06,0.04)
            font_size: 20
on_release:
            root.forgetbtn()

```

```

<EmployeeLoginScreen>:
    name:"Employeeelogin"
    empname:empname
    emp_pass:emp_pass
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True

```

```

        Button:
pos:root.right - self.width, root.top - self.height
on_release: app.root.current = "main"
        text: "Home"
        size_hint: 0.06,0.06
        pos_hint: {"right": 0.95, 'top':1}
        font_size: 24
        color: 1,0,0,1
        background_color: (53, 14,25,0)

```

```

        Label:
text: "Employee Id: "
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.04,0.04)
        font_size: 22

TextInput:
id:empname
multiline:False
pos_hint: {"x": 0.16,'top':0.8 }
size_hint: (0.1,0.04)
        font_size: 22
Label:
text: "Password: "
pos_hint: {"x": 0.08,'top':0.75 }
size_hint: (0.04,0.04)
        font_size: 22

TextInput:
        id:emp_pass
multiline: False
pos_hint: {"x": 0.16,'top':0.75 }
size_hint: (0.1,0.04)
        font_size: 22
        password:True

        Button:
text:"Submit"
        font_size: 18
pos_hint: {"x": 0.1,'top':0.65 }
size_hint: (0.09,0.04)
        on_release:
            root.onEmpSubmitBtn()

<SelectBankScreen>:
    name:"select"
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size

```

```

        allow_stretch: True

    Button:
on_release: app.root.current = "Customer"
        text: "Back"
        size_hint: 0.06,0.06
        pos_hint: {"left": 0.98, 'top':1}
        font_size: 24
        color: 1,1,0,0
        background_color: (53, 14,25,0)

    Button:
text:"SBI"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.09,0.04)
        on_release:
app.root.current = "option"


    Button:
text:"HDFC"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.72 }
size_hint: (0.09,0.04)
        on_release:
app.root.current = "option"


    Button:
text:"ICICI"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.64 }
size_hint: (0.09,0.04)
        on_release:
app.root.current = "option"


<SelectOptionScreen>:
    name:"option"
    bal:bal
    five:five
    Image:

```

```

        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True
    Button:
on_release:
        app.root.current = "select"
        root.onback()
        text: "Back"
        size_hint: 0.06,0.06
        pos_hint: {"left": 0.98, 'top':1}
        font_size: 24
        color: 1,1,0,0
        background_color: (53, 14,25,0)
    Button:
text:"Delete Account"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.09,0.04)
        on_release:
            root.ondelete()
    Button:
text:"Current Balance"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.72 }
size_hint: (0.09,0.04)
        on_release: root.onbal()

    Label:
        id:bal
        text:""
        font_size: 20
pos_hint: {"x": 0.16,'top':0.72 }
size_hint: (0.09,0.04)
    Button:
text:"Last Five Transactions"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.64 }
size_hint: (0.12,0.04)
        on_release: root.onfive()

```

```

        Button:
text:"Money Transfer"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.56 }
size_hint: (0.09,0.04)
        on_release:
            app.root.current = "Money"
    Label:
        id:five
        text:"Last five Transactions\n id  Account_No  Balance  debit credit updated_bal
        font_size: 20
pos_hint: {"x": 0.5,'top':0.48 }
size_hint: (0.09,0.04)

<UpdateScreen>:
    name:"update"
    uadd:uadd
    umob:umob
    udob:udob
    uacc:uacc
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True
    Button:
text:"Account No :"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.88 }
size_hint: (0.09,0.04)

    TextInput:
        id:uacc
multiline: False
pos_hint: {"x": 0.20,'top':0.88 }
size_hint: (0.1,0.04)
        font_size: 20
    Button:
text:"Address"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.8 }

```



```
size_hint: (0.09,0.04)
```

```
    TextInput:  
        id:uadd  
multiline: False  
pos_hint: {"x": 0.20,'top':0.8 }  
size_hint: (0.1,0.04)  
        font_size: 20
```

```
    Button:  
text:"Mobile Number"  
        font_size: 20  
pos_hint: {"x": 0.08,'top':0.72 }  
size_hint: (0.09,0.04)
```

```
    TextInput:  
        id:umob  
multiline: False  
pos_hint: {"x": 0.20,'top':0.72 }  
size_hint: (0.1,0.04)  
        font_size: 20
```

```
    Button:  
text:"Date Of Birth"  
        font_size: 20  
pos_hint: {"x": 0.08,'top':0.64 }  
size_hint: (0.09,0.04)
```

```
    TextInput:  
        id:udob  
multiline: False  
pos_hint: {"x": 0.20,'top':0.64 }  
size_hint: (0.1,0.04)  
        font_size: 20
```

```
    Button:  
text:"Submit"  
        font_size: 20  
pos_hint: {"x": 0.20,'top':0.56 }  
size_hint: (0.09,0.04)  
        on_release:
```

```

        root.onUaddSubmitBtn()
        Button:
on_release: app.root.current = "Employee"
        text: "Back"
        size_hint: 0.06,0.06
        pos_hint: {"left": 0.98, 'top':1}
        font_size: 24
        color: 1,1,0,0
        background_color: (53, 14,25,0)

```

```

<ForgetPassScreen>:
    name:"forpass"
    forpassword:forpassword
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True
    Label:
        text:"Password"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.09,0.04)

```

```

        TextInput:
            id:forpassword
multiline: False
pos_hint: {"x": 0.16,'top':0.8 }
size_hint: (0.1,0.04)
        font_size: 20

```

```

        Button:
text:"Confirm Password"
        font_size: 20
pos_hint: {"x": 0.20,'top':0.56 }
size_hint: (0.09,0.04)
        on_release:
            root.onnewpass()

```

```

<MoneyTransferScreen>:
    name:"Money"
    tran_acc:tran_acc
    tran_name:tran_name
    tran_mob:tran_mob
    tran_amt:tran_amt
    Image:
        source: 'image6.png'
        width: dp(1900)
        height: dp(1500)
        size: self.size
        allow_stretch: True
    Label:
        text:"Transfer Account No."
        font_size: 20
pos_hint: {"x": 0.08,'top':0.8 }
size_hint: (0.09,0.04)

    TextInput:
        id:tran_acc
multiline: False
pos_hint: {"x": 0.16,'top':0.8 }
size_hint: (0.1,0.04)
        font_size: 20

    Button:
text:"Click"
        font_size: 20
pos_hint: {"x": 0.16,'top':0.72 }
size_hint: (0.09,0.04)
        on_release:
            root.onClickMT()

    Label:
        id:tran_name
        text:"Name      "
        font_size: 20
pos_hint: {"x": 0.08,'top':0.64 }
size_hint: (0.09,0.04)
    Label:
        id:tran_mob
        text:"Mobile No."

```

```

        font_size: 20
pos_hint: {"x": 0.08,'top':0.56 }
size_hint: (0.09,0.04)
    Label:

        text:"Enter Amount"
        font_size: 20
pos_hint: {"x": 0.08,'top':0.48 }
size_hint: (0.09,0.04)

    TextInput:
        id:tran_amt
multiline: False
pos_hint: {"x": 0.16,'top':0.48 }
size_hint: (0.1,0.04)
        font_size: 20

    Button:
text:"Transfer"
        font_size: 20
pos_hint: {"x": 0.16,'top':0.42 }
size_hint: (0.09,0.04)
        on_release:
            root.onTransfer()

```

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