from tkinter import Tk,Frame,Label,Entry,Button,messagebox

from PIL import Image,ImageTk

fonts = ('Courier New', 13, 'bold')

fonts1 = ('Courier New', 17, 'bold')

admin = 'ABC'

password = '123'

student = 's'

password1 = 'st'

book= 'p'

root = Tk()

class Home:

    def \_\_init\_\_(self,root):

        self.root=root

        self.root.title("HOME")

        self.page = Frame(self.root,width=600,height=400)

        self.page.place(x=0,y=0)

        self.image = Image.open('../assets/png1.png')

        self.image = self.image.resize((600,400))

        self.image = ImageTk.PhotoImage(self.image)

        self.image\_label = Label(self.page,image=self.image)

        self.image\_label.place(x=0,y=0)

        self.main\_label = Label(self.page , text = 'WELCOME', font = fonts1)

        self.main\_label.place(x=240,y=50)

        self.main\_label2 = Label(self.page , text = "Lock in your reservations early with SVECW E-Portal" , font = fonts)

        self.main\_label2.place(x=50,y=110)

        self.main\_label\_btn = Button(self.page,text='ENTER',font=fonts1,command=self.home\_login)

        self.main\_label\_btn.place(x=240,y=200)

    def home\_login(self):

        self.page.destroy()

        home\_obj = Main(root)

class Main:

    def \_\_init\_\_(self, root):

        self.root = root

        self.root.title("LOGIN PAGE")

        self.right =Frame(self.root,width = 600, height = 400)

        self.right.place(x = 0, y = 0 )

        self.admin\_logo = Image.open('../assets/ai.png')

        self.admin\_logo = self.admin\_logo.resize((100, 100))

        self.admin\_logo = ImageTk.PhotoImage(self.admin\_logo)

        self.admin\_logo\_lbl = Label(self.right, image = self.admin\_logo)

        self.admin\_logo\_lbl.place(x = 100, y= 30)

        self.admin\_\_login = Label(self.right,text="Admin login")

        self.admin\_\_login.place(x=100,y=125)

        self.admin\_name = Label(self.right, text = 'USER ID', bg = 'steel blue', fg ='white', font = fonts,width = 9)

        self.admin\_name.place(x = 50, y = 170)

        self.admin\_name\_entry = Entry(self.right, width = 10, font = fonts)

        self.admin\_name\_entry.place(x = 150, y = 170)

        self.admin\_pass = Label(self.right, text = 'PASSWORD', bg = 'steel blue', fg ='white', font = fonts, width = 9)

        self.admin\_pass.place(x = 50, y = 200)

        self.admin\_pass\_entry = Entry(self.right, width = 10, font = fonts)

        self.admin\_pass\_entry.place(x = 150, y = 200)

        self.admin\_login\_btn = Button(self.right, text = 'LOGIN', font = fonts, command = self.admin\_login)

        self.admin\_login\_btn.place(x = 100, y = 250)

        self.left =Frame(self.root, width = 600, height = 400)

        self.left.place(x = 250, y = 0 )

        self.student\_logo = Image.open('../assets/si.png')

        self.student\_logo = self.student\_logo.resize((100, 100))

        self.student\_logo = ImageTk.PhotoImage(self.student\_logo)

        self.student\_logo\_lbl = Label(self.left, image = self.student\_logo)

        self.student\_logo\_lbl.place(x = 100, y= 30)

        self.student\_\_login = Label(self.left,text="Student login")

        self.student\_\_login.place(x=100,y=125)

        self.student\_name = Label(self.left, text = 'USER ID', bg = 'steel blue', fg ='white', font = fonts,width=9)

        self.student\_name.place(x = 50, y = 170)

        self.student\_name\_entry = Entry(self.left, width = 10, font = fonts)

        self.student\_name\_entry.place(x = 150, y = 170)

        self.student\_pass = Label(self.left, text = 'PASSWORD', bg = 'steel blue', fg ='white', font = fonts, width = 9)

        self.student\_pass.place(x = 50, y = 200)

        self.student\_pass\_entry = Entry(self.left, width = 10, font = fonts)

        self.student\_pass\_entry.place(x = 150, y = 200)

        self.student\_login\_btn = Button(self.left, text = 'LOGIN', font = fonts,command = self.student\_login)

        self.student\_login\_btn.place(x = 100, y = 250)

    def admin\_login(self):

        global admin, password

        self.a\_name = self.admin\_name\_entry.get()

        self.a\_pass = self.admin\_pass\_entry.get()

        if self.a\_name == admin:

            if self.a\_pass == password:

                self.right.destroy()

                self.left.destroy()

                admin\_obj = Admin(root)

            else:

                messagebox.showerror('INVALID','PASSWORD INCORRECT')

        else:

                messagebox.showerror('INVALID','USER ID INVALID')

    def student\_login(self):

        global student, password1

        self.b\_name = self.student\_name\_entry.get()

        self.b\_pass = self.student\_pass\_entry.get()

        if self.b\_name == student:

            if self.b\_pass == password1:

                self.right.destroy()

                self.left.destroy()

                student\_obj = Student(root)

            else:

                messagebox.showerror('INVALID','PASSWORD INCORRECT')

        else:

                messagebox.showerror('INVALID','USER ID INVALID')

class Admin:

    def \_\_init\_\_(self, root):

        self.root = root

        self.root.title("ADMIN DASHBOARD")

        self.right = Frame(self.root, width = 600, height = 400)

        self.right.place(x = 0, y = 0)

        self.student\_\_login = Label(self.right,text="WELCOME TO SVECW",bg='blue',fg='White')

        self.student\_\_login.place(x=170,y=10)

class Student:

    def \_\_init\_\_(self, root):

        self.root = root

        self.root.title('STUDENT DASHBOARD')

        self.left = Frame(self.root, width = 600, height = 400)

        self.left.place(x = 0, y = 0)

        self.image = Image.open('../assets/b2.png')

        self.image = self.image.resize((600,400))

        self.image = ImageTk.PhotoImage(self.image)

        self.image\_label = Label(self.left,image=self.image)

        self.image\_label.place(x=0,y=0)

        self.student\_\_login = Label(self.left,text="HELLO ENTHUSIASTS!",fg='red',font=fonts1)

        self.student\_\_login.place(x=200,y=40)

        self.book\_name = Label(self.left, text = 'Enter a Book Name:',fg ='black', font = fonts)

        self.book\_name.place(x = 100, y = 140)

        self.book\_name\_entry = Entry(self.left,width=20, font = fonts)

        self.book\_name\_entry.place(x = 300, y = 140)

        self.book\_submit\_btn = Button(self.left,text = 'SUBMIT', font = fonts,command=self.book\_submit )

        self.book\_submit\_btn.place(x = 250, y = 220)

    def book\_submit(self):

        global book

        self.c\_name = self.book\_name\_entry.get()

        if self.c\_name == book:

            self.left.destroy()

            book\_obj = Book(root)

        else:

            messagebox.showerror('INVALID','Invalid Book Name')

class Book:

    def \_\_init\_\_(self,root):

        self.root = root

        self.root.title('BOOK')

        self.left = Frame(self.root, width = 600, height = 400)

        self.left.place(x = 0, y = 0)

        self.book\_status= Label(self.left, text = 'Book name :',fg ='black', font = fonts,width=12)

        self.book\_status.place(x = 30, y = 120)

        self.book\_available= Label(self.left, text = 'Status :',fg ='black', font = fonts,width=12)

        self.book\_available.place(x = 30, y = 170)

root.geometry('600x400+550+200')

home = Home(root)

root.mainloop()