ADSE I

E-Project
Find a Word

Group Members:

Raja Muhammad Hammad Khan (Student 1240148)

Sudais Sami (Student 1232796)

Ayan Altaf (Student)

Haris Sardar (Student 1242079)

Saif-ul-Hassan (Student)

TABLE OF CONTENT

ACKNOWLEDGMENT

I would like to express my very great appreciation to **SIR MUJTABA** for his valuable and constructive suggestions during the planning and preparation of our project. His willingness to give his time so generously has been very much appreciated!

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

Raja Hammad, Ayan Altaf, Haris Sardar, Sudais Sami, Saif-ul-Hassan

HAS COMPLETED TO ALL THE REQUIRED STATEMENT OF THE PROJECT.

SIGNATURE

03-October2022

DATE

PROBLEM STATEMENT

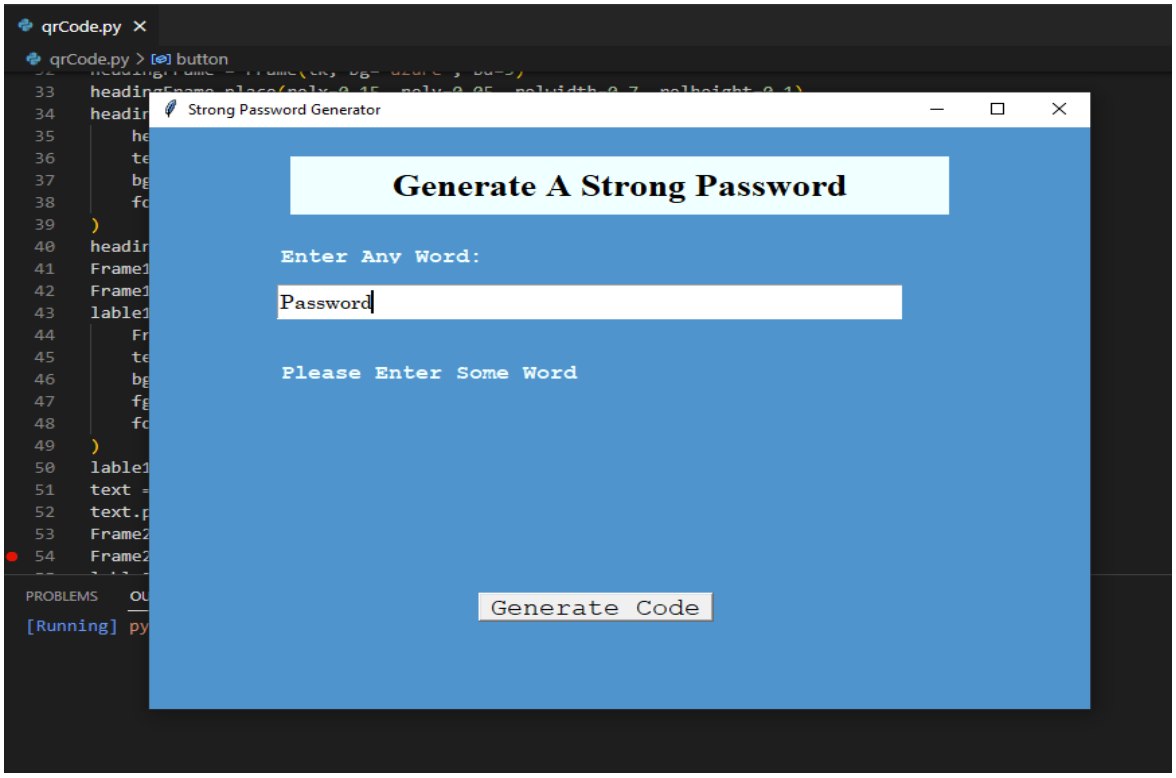
Having a weak password is not good for a system that demands high confidentiality and security of user credentials. It turns out that people find it difficult to make up a strong password that is strong enough to prevent unauthorized users from memorizing it.

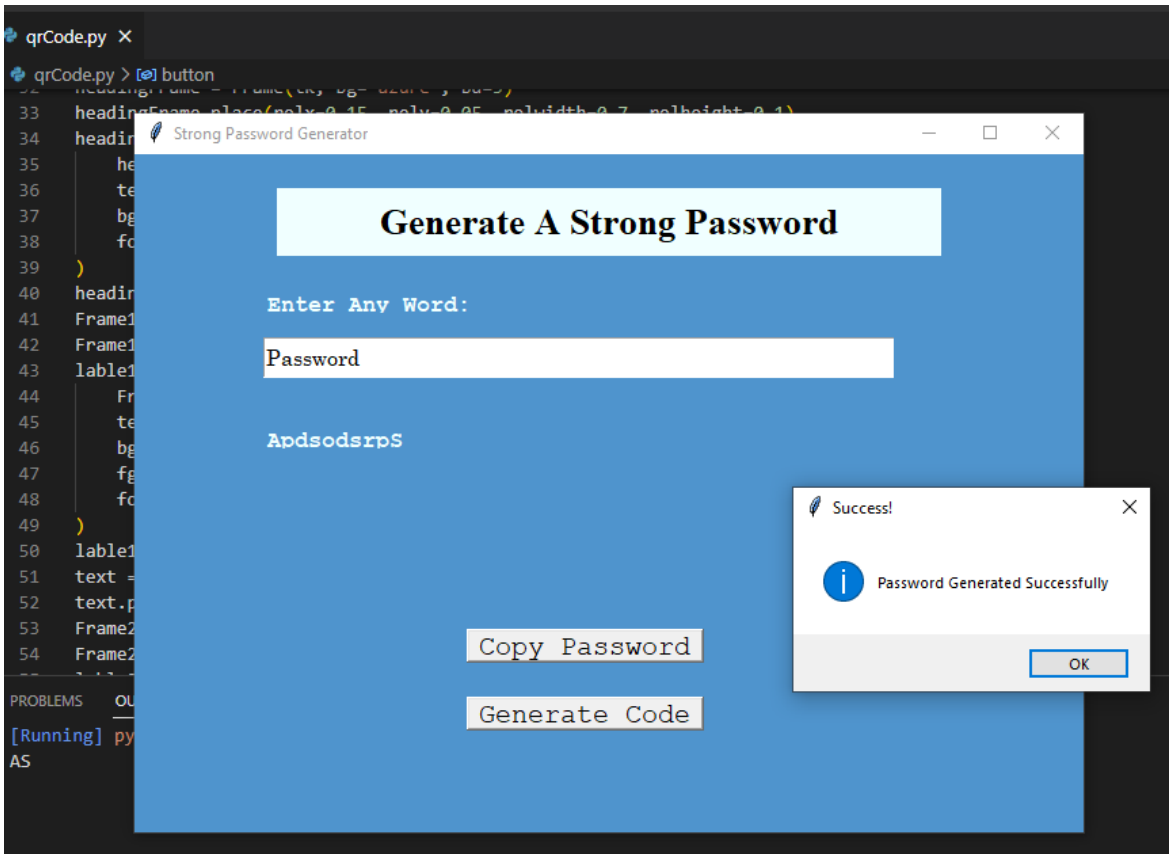
Creating a strong password and remembering it is a tedious task.

You need to build a program that intakes some words from the user and then generates a random password using those words.

The user can remember the password with the help of the words he gave as an input.

FRONTEND SCREEN SHORT





BACKEND SCREEN SHORT

qrCode.py

```python
from tkinter import *
from tkinter import messagebox
import pyperclip
import random
tk = Tk()
tk.title("Strong Password Generator")
tk.geometry("700x500")
tk.config(bg="SteelBlue3")
def generate_password(Name):
    lower = Name.lower()
    rand = "".join(random.choice(Name) for i in range(2)).upper()
    print(rand)
    password = (
        "".join(random.choice(rand))
        + "".join(random.choice(lower) for i in range(len(lower)))
        + "".join(random.choice(rand))
    )
    return password
def copyText():
    password = lable2.cget("text")
    pyperclip.copy(password)
def generateCode():
    if len(text.get()) + 1 <= 6:
        messagebox.showinfo("Error!", "Word Length Must be Atleast 6")
    else:
        lable2["text"] = generate_password(text.get())
        copy = Button(
            tk, text="Copy Password", font=("Courier", 15, "normal"), command=copyText
        )
        copy.place(relx=0.35, rely=0.7, relwidth=0.25, relheight=0.05)
        messagebox.showinfo("Success!", "Password Generated Successfully")
headingFrame = Frame(tk, bg="azure", bd=5)
headingFrame.place(relx=0.15, rely=0.05, relwidth=0.7, relheight=0.1)
headingLabel = Label(
    headingFrame,
    text="Generate A Strong Password",
    bg="azure",
    font=("Times", 20, "bold"),
)
```

qrCode.py

```python
headingFrame.place(relx=0.15, rely=0.05, relwidth=0.7, relheight=0.1)
headingLabel = Label(
    headingFrame,
    text="Generate A Strong Password",
    bg="azure",
    font=("Times", 20, "bold"),
)
headingLabel.place(relx=0, rely=0, relwidth=1, relheight=1)
Frame1 = Frame(tk, bg="SteelBlue3")
Frame1.place(relx=0.1, rely=0.15, relwidth=0.7, relheight=0.3)
lable1 = Label(
    Frame1,
    text="Enter Any Word: ",
    bg="SteelBlue3",
    fg="azure",
    font=("Courier", 13, "bold"),
)
lable1.place(relx=0.05, rely=0.2, relheight=0.08)
text = Entry(Frame1, font=("Century 12"))
text.place(relx=0.05, rely=0.4, relwidth=1, relheight=0.2)
Frame2 = Frame(tk, bg="SteelBlue3")
Frame2.place(relx=0.1, rely=0.35, relwidth=0.7, relheight=0.3)
lable2 = Label(
    Frame2,
    text="Please Enter Some Word",
    bg="SteelBlue3",
    fg="azure",
    font=("Courier", 13, "bold"),
)
lable2.place(relx=0.05, rely=0.2, relheight=0.08)
button = Button(
    tk, text="Generate Code", font=("Courier", 15, "normal"), command=generateCode
)
button.place(relx=0.35, rely=0.8, relwidth=0.25, relheight=0.05)
tk.mainloop()
```

CONCLUSION

The objective of this program is to give a sample project to work on real-life projects. These applications help you build a larger more robust application.

The objective is not to teach you the concepts but to provide you with a real-life scenario and help you create applications using the tools.