Password Generator

What is the aim of this project?

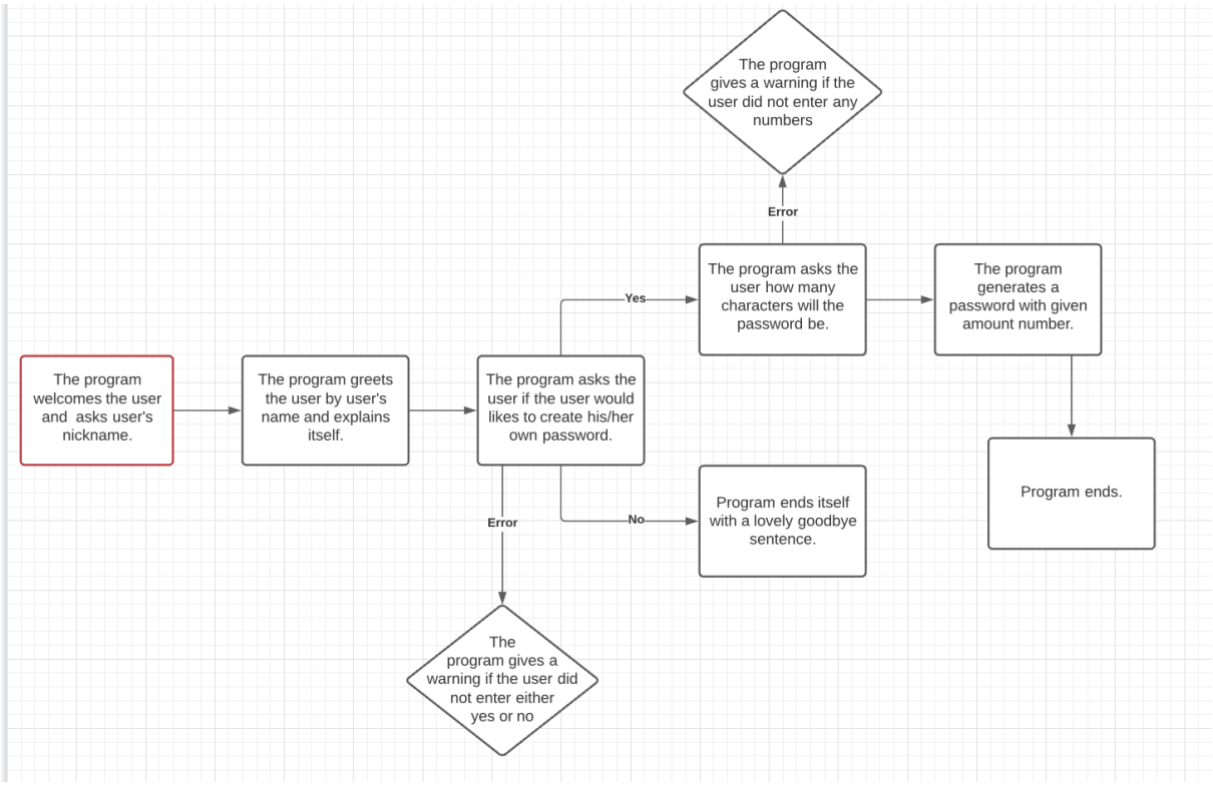
This program creates your own safe password. You can use it in every password needed situation. It is hard to break and you do not even have to think about it, not even a second.

Code itself:

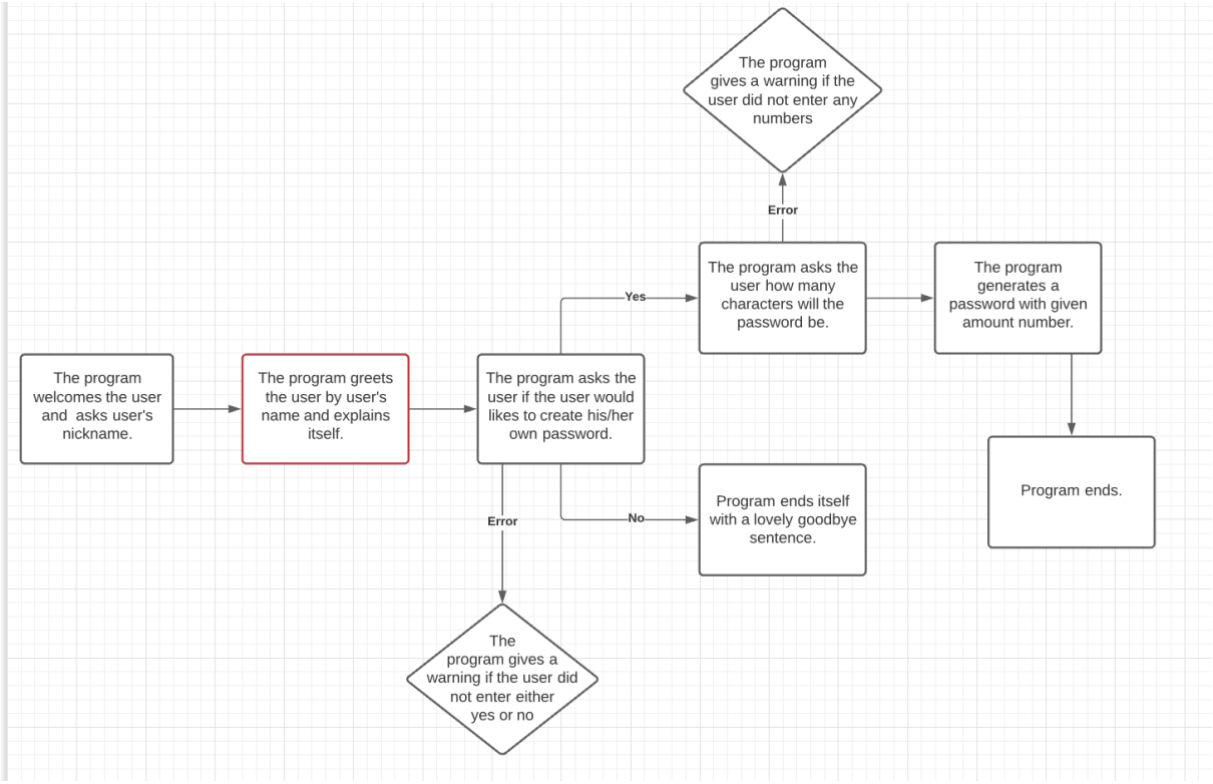
```
import random
import array

def main(len):
    DIGITS = ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9']
    LOCASE_CHARACTERS = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h',
                         'i', 'j', 'k', 'm', 'n', 'o', 'p', 'q',
                         'r', 's', 't', 'u', 'v', 'w', 'x', 'y',
                         'z']
    UPCASE_CHARACTERS = ['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H',
                         'I', 'J', 'K', 'M', 'N', 'O', 'p', 'Q',
                         'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y',
                         'Z']
    SYMBOLS = ['@', '#', '$', '%', '=', ':', '?', '.', '/', '|', '~', '>',
               '*', '(', ')', '<']
    COMBINED_LIST = DIGITS + UPCASE_CHARACTERS +
LOCASE_CHARACTERS + SYMBOLS

    rand_digit = random.choice(DIGITS)
    rand_upper = random.choice(UPCASE_CHARACTERS)
    rand_lower = random.choice(LOCASE_CHARACTERS)
    rand_symbol = random.choice(SYMBOLS)
```

```
    temp_pass = rand_digit + rand_upper + rand_lower + rand_symbol

    for x in range(len - 4):

        temp_pass = temp_pass + random.choice(COMBINED_LIST)

        temp_pass_list = array.array('u', temp_pass)

        random.shuffle(temp_pass_list)

    password = ""

    for x in temp_pass_list:
        password = password + x



    print("Your own safe password is " + password)



def error_integer(b):
    try:
        type(b) is int
    except:
        print("Your answer must be ")

def welcome(name):
    print("Welcome to our system " + name)
```

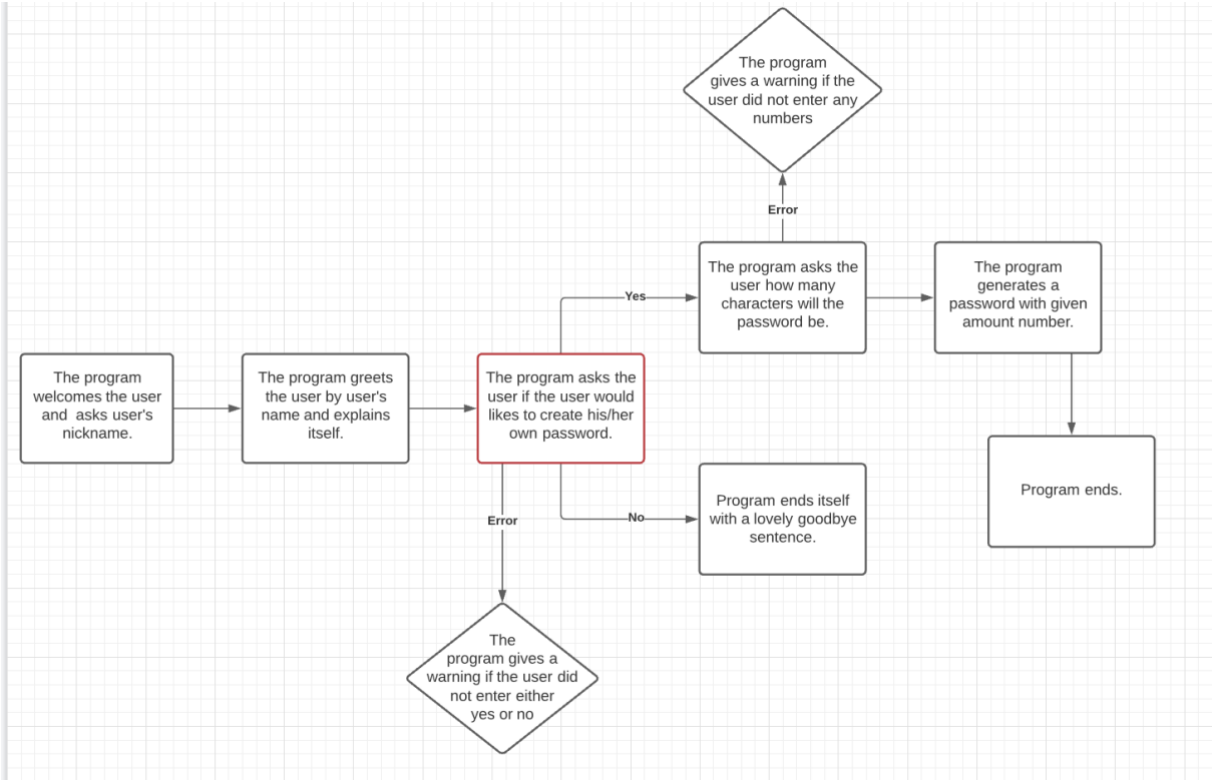
```
name = input("Hello what's your nickname? ")
welcome(name)

print("In this system we generate passwords to people doesn't concern about their safety ")

answer = input("Type yes if you would like to have your own safe password, if not type no ")

try:
    assert answer in ["yes", "no"]

    if answer.lower() == "no":
        print("We are so sorry for you not choosing us ")

    elif answer.lower() == "yes":

        MAX_LEN = input("Please enter the password's lenght ")



        try:
            MAX_LEN = int(MAX_LEN)

            main(MAX_LEN)
        except:
            print("Your answer must be an integer")

except:
    print("Your answer must be yes or no!")
```



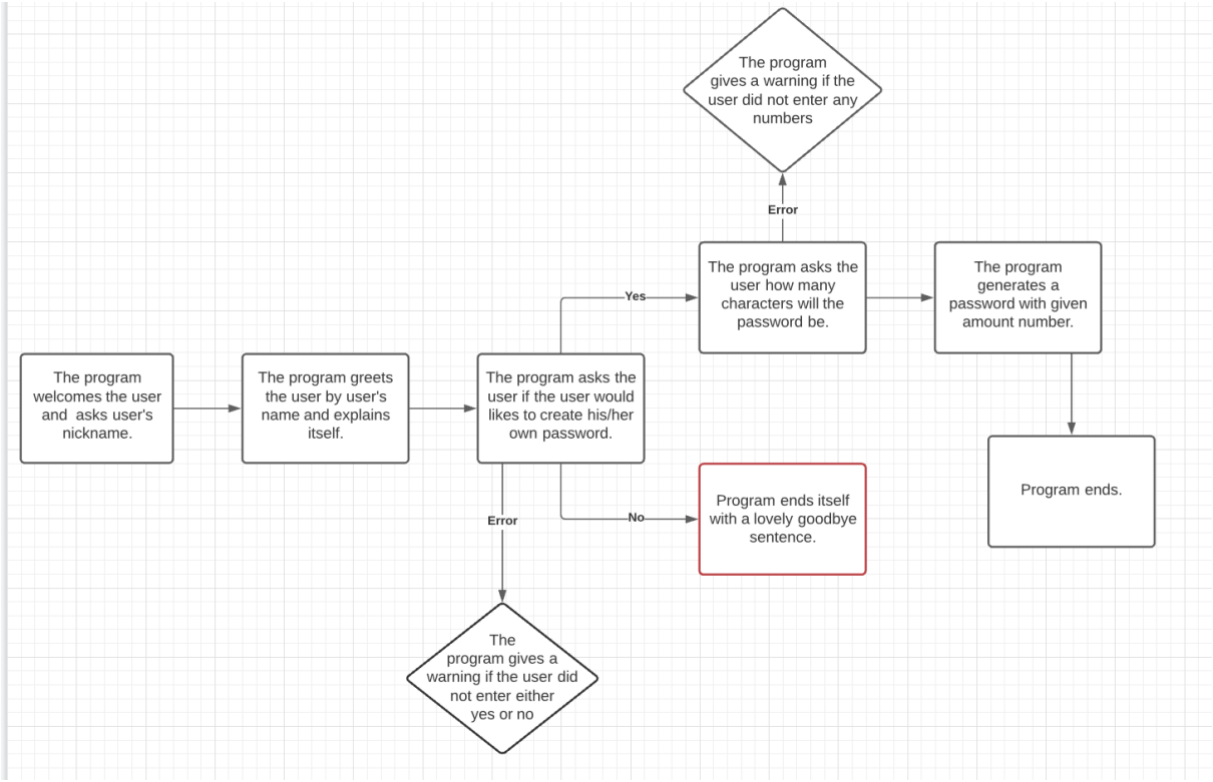

```
Hello what's your nickname?
```



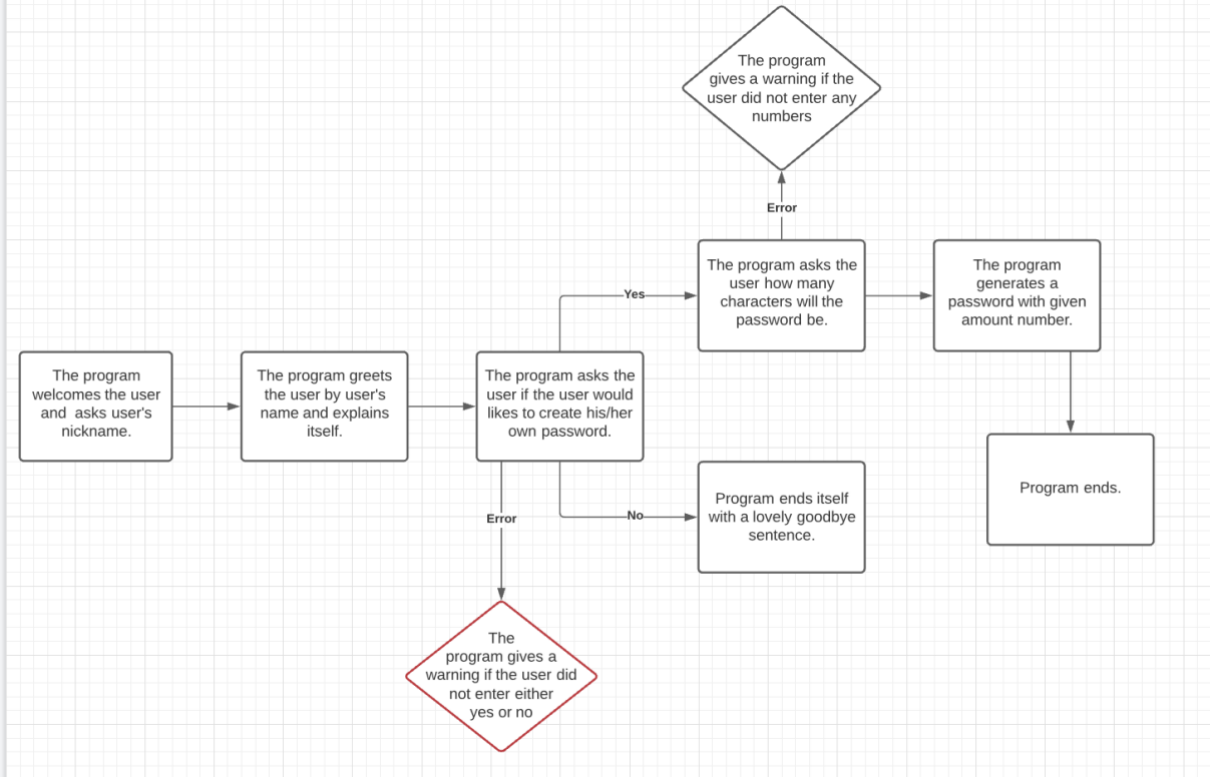

```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
```



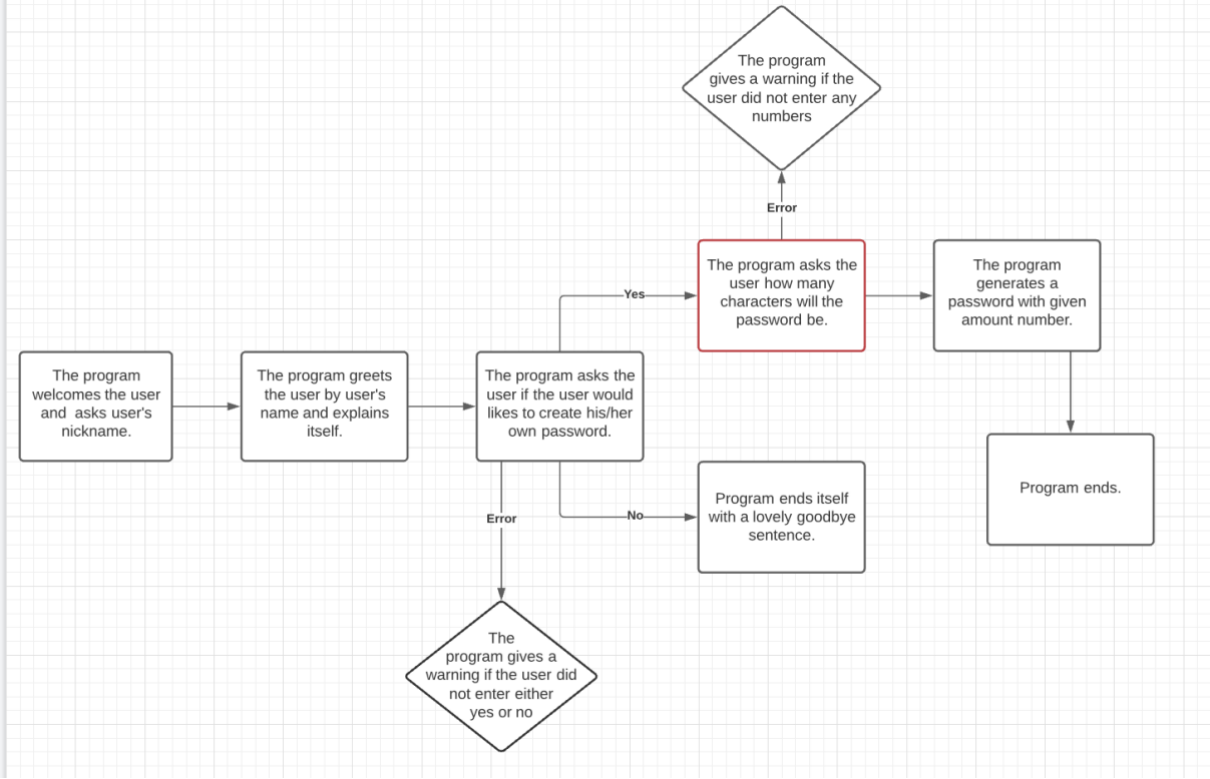

```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
Type yes if you would like to have your own safe password, if not type no
```



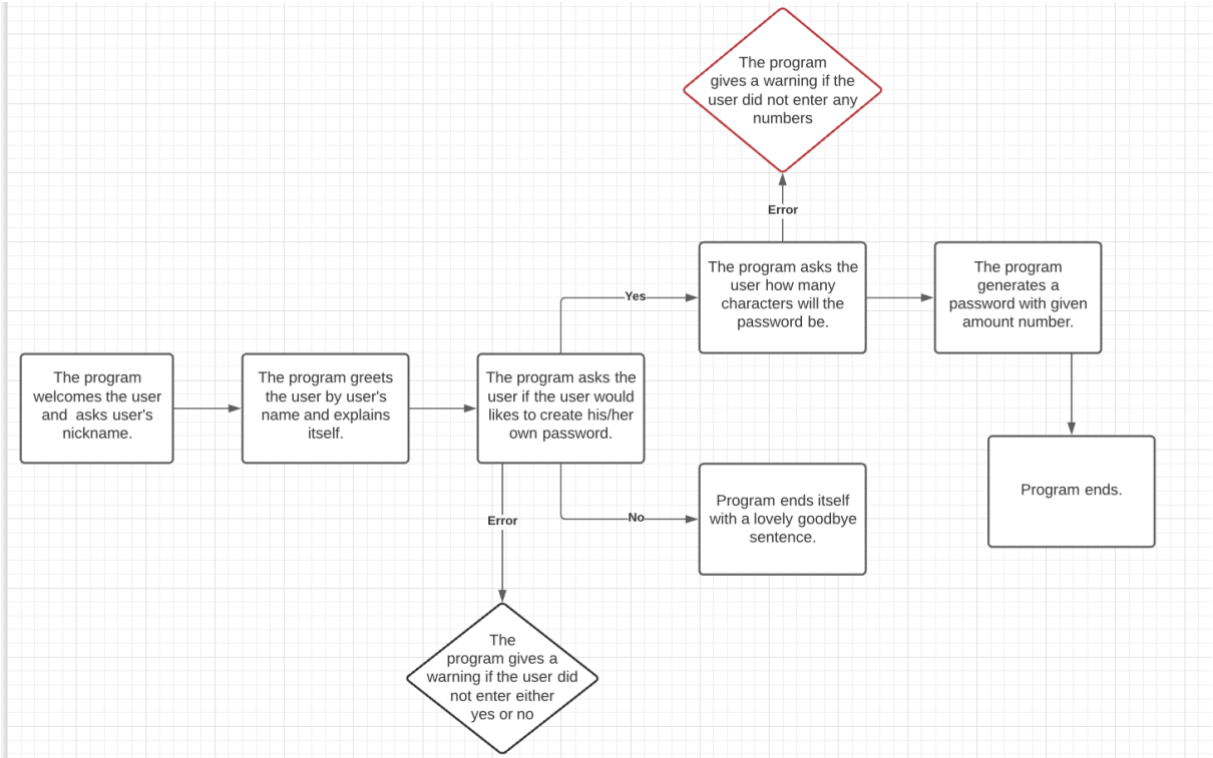

```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
Type yes if you would like to have your own safe password, if not type no no
We are so sorry for you not choosing us
```



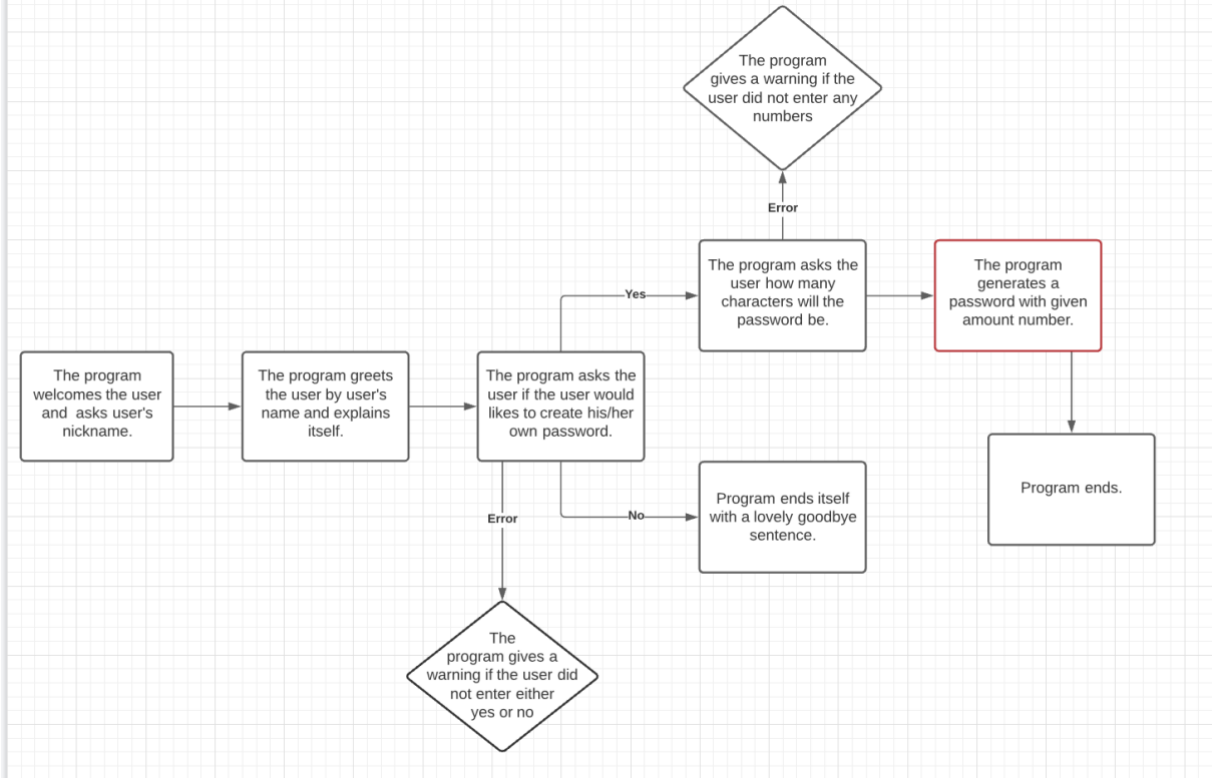

```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
Type yes if you would like to have your own safe password, if not type no ***TEST
Your answer must be yes or no!
```



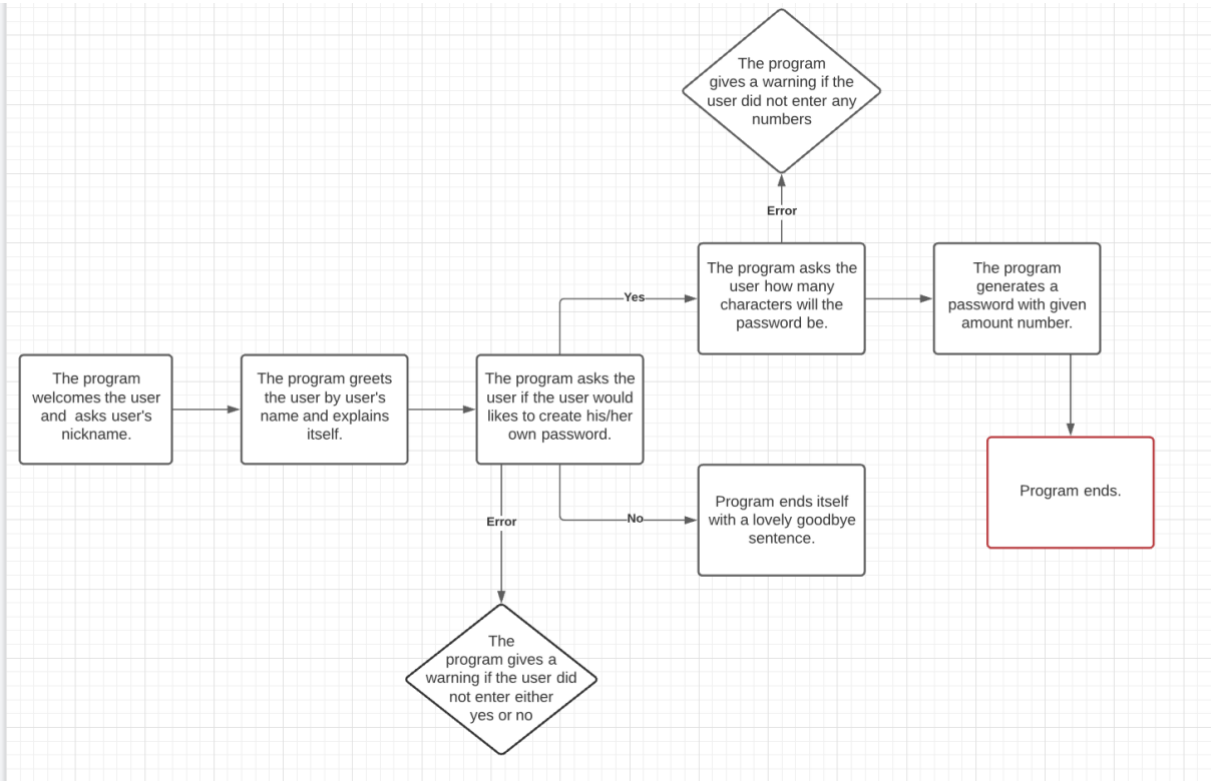

```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
Type yes if you would like to have your own safe password, if not type no yes
Please enter the password's lenght
```




```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
Type yes if you would like to have your own safe password, if not type no yes
Please enter the password's lenght **TEST FOR ERROR**
Your answer must be an integer
```




```
Hello what's your nickname? melih
Welcome to our system melih
In this system we generate passwords to people doesn't concern about their safety
Type yes if you would like to have your own safe password, if not type no yes
Please enter the password's lenght 12
Your own safe password is n~U2j6p<wA$8
```


The program gives a warning if the user did not enter any numbers
Error
The program asks the user how many characters will the password be.
Yes
The program generates a password with given amount number.
The program welcomes the user and asks user's nickname.
The program greets the user by user's name and explains itself.
The program asks the user if the user would likes to create his/her own password.
Program ends.
Program ends itself with a lovely goodbye sentence.
No
Error
The program gives a warning if the user did not enter either yes or no