Solution 1:

def group\_by\_owners(*file\_list*):

    file\_by\_owners = {}

*for* file *in* *file\_list*:

        owner = *file\_list*[file]

*if* owner *in* file\_by\_owners:

            file\_by\_owners[owner].append(file)

*else*:

            file\_by\_owners[owner] = [file]

*return* file\_by\_owners

print(group\_by\_owners({

    'Input.txt': 'Randy',

    'Code.py': 'Stan',

    'Output.txt': 'Randy'

}))

C:\Users\ADMIN\PycharmProjects\Project\venv\Scripts\python.exe D:/PythonFiles/scratch.py

{'Randy': ['Input.txt', 'Output.txt'], 'Stan': ['Code.py']}

Process finished with exit code 0

Solution 2:

*import* math

def find\_roots(*a*, *b*, *c*): *# equation is in the form of ax2 + bx + c = 0*

    d = (*b* \*\* 2) - (4 \* *a* \* *c*) *# the discriminant*

*if* d < 0:

*return* "No solution"

    ans1 = (-*b* + math.sqrt(d)) / (2 \* *a*)

    ans2 = (-*b* - math.sqrt(d)) / (2 \* *a*)

*return* (ans1, ans2)

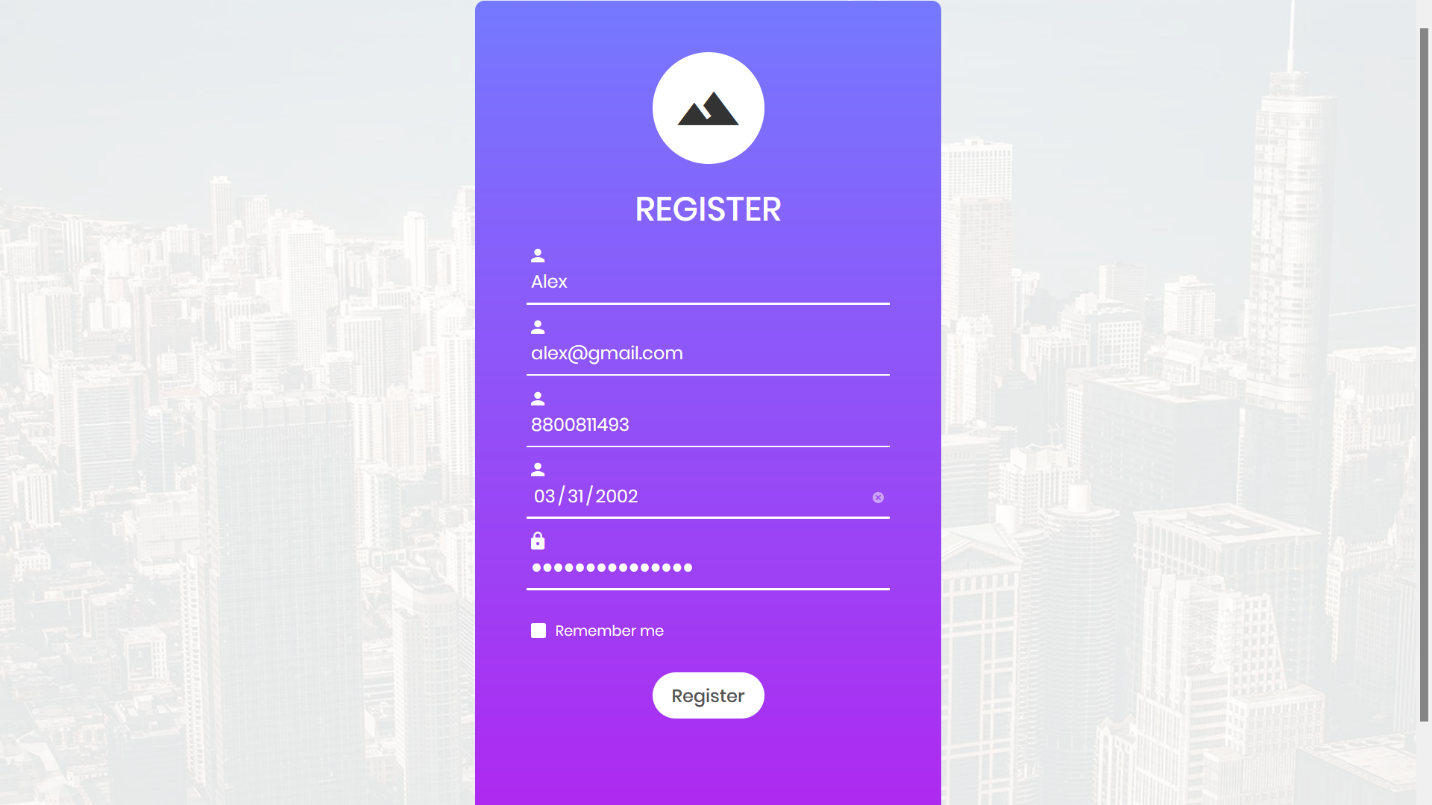
print(find\_roots(2, 10, 8))

E:\Famepilot Solutions>python find\_roots.py

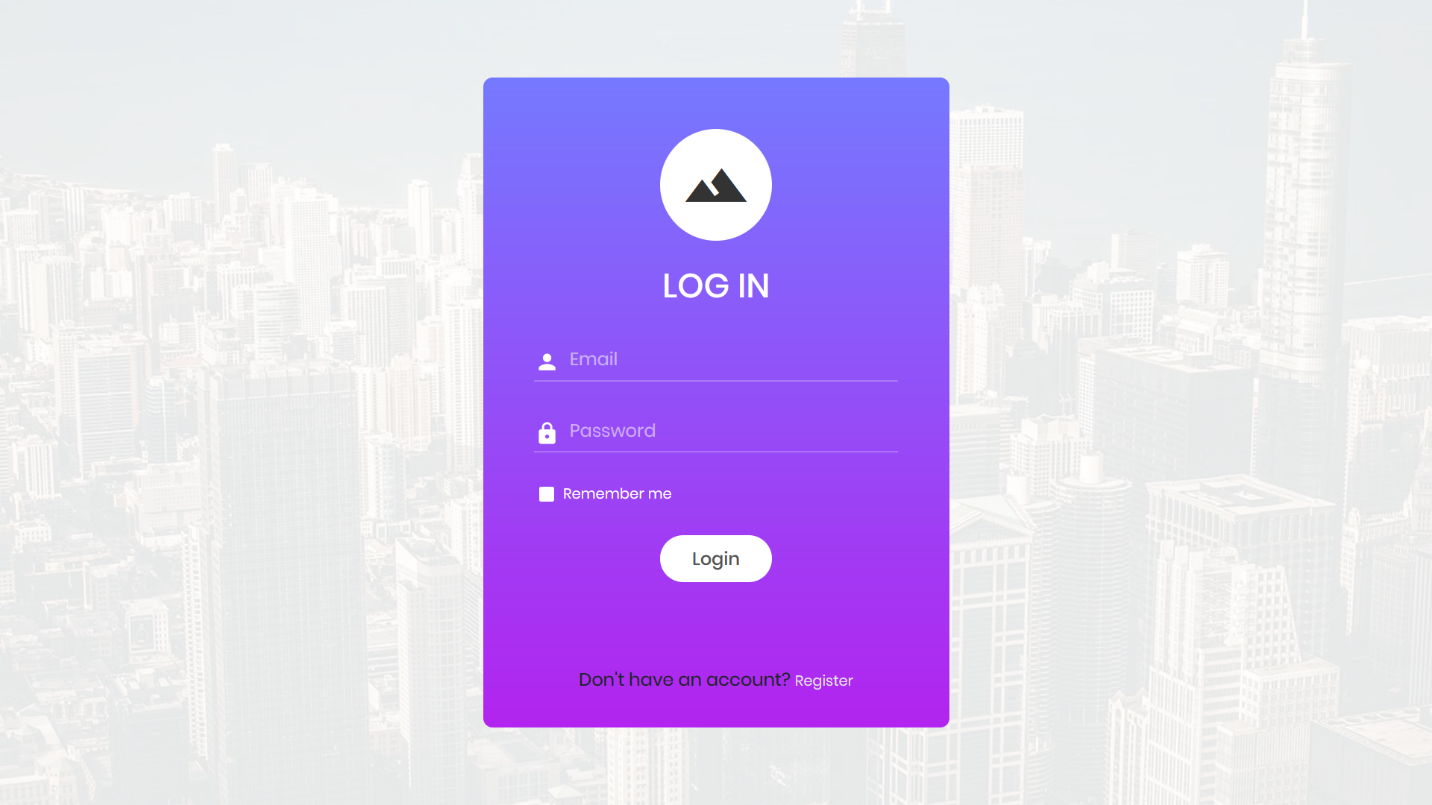
(-1.0, -4.0)

Solution 3:

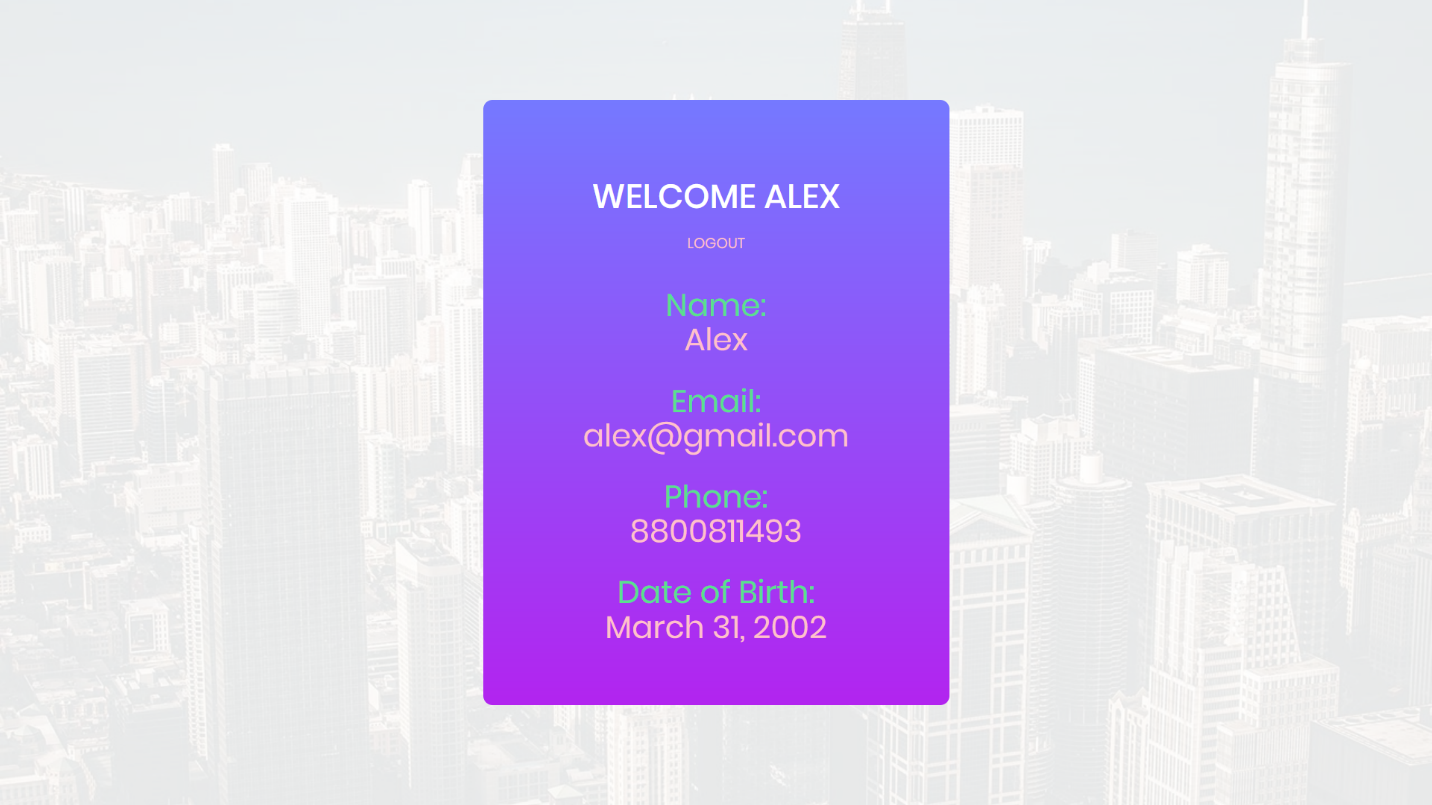
Github Link: https://github.com/Aditya-Mallick/Famepilot-Solutions



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