

The Scenario

For weeks I was looking for the perfect client. Someone who had a problem that I could solve through programming. After further research about my potential client, I ended up having my father as a client. My father is the Director of Supply of Natural Gas and Electricity in one of the biggest energy companies in Greece. Due to the importance of his job, he has a great amount of meetings everyday, that can be either face-to-face or online through the App Microsoft Teams. After a discussion with him, we ended up on the idea of creating a program through which he could insert upcoming meetings, remove meetings that might be canceled, in order to solve his problem by providing him an organized and visualized program that could be opened to his computer whenever he wanted. He made several attempts to organize his program through the Calendar App on his phone, but this ended up not being a suitable solution, as he didn't have the opportunity to check so many times on his phone, since he was working through his computer the entire day. At the end of our conversation he also told me that he doesn't want the program to be very complex, as he has never used a python program ever before in his life.

Rationale for Solution

In order to create a program like that for my father I will need to set up a database, in order to store every change my father does daily on his meetings' program. Without a database the program is impossible to be implemented, as it would need to insert all the meetings every time the program starts to run. The program will firstly ask the user to insert the days' calendar that he/she wants to display on the screen, and after that a menu will appear with the options of adding a meeting, removing a meeting, editing a meeting from the calendar or exiting the program. After further consideration, I decided to create this program with the aid of the Python Programming language. I took that decision since Python can provide a user-friendly environment for my dad that won't be very complicated for him and will be easy to run and use. Not only that, but Python is beneficial also for the programmer since it is very simple programming that can provide me a better working experience while creating the program. Lastly, my decision to use Python came also from the fact that I've created several projects in Python that helped me understand how to set up a proper GUI (Graphical User Interface) for my father, but also gave me the chance to work on a database. Making a long story short, the decision of using Python will be beneficial for both me and my father.

Success Criteria

1. The client can add, edit and remove meetings from the database.
2. The GUI is user-friendly for the client and doesn't cause any confusion.
3. The client can add the title, the day, the hour and the place of the meeting (if online then the Platform that will be used).
4. The calendar will show the meetings in an order based on the time of which each meeting starts.

5. The program will ask the client for the days he wants to see on the screen and then display these exact days on the screen.
6. The client will have the option to exit the calendar by pressing a button which will stop the operation of the program.