

Trien Dau

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Effort Matrix			
No	Task	Trien Dau	Haru Chu
1	Brainstorm and design the layout/User Interface of the application	10	
2	Build application prototype	20	
3	Specify what accessibilities will be needed from the user to ensure that the program runs smoothly	5	
4	Research which API will be needed for Speech-To-Text		5
5	Investigate which API will be used for Text-To-Speech		5
6	Look into how to use ChatGPT API to handle any queries from the user		5
7	Build the actual Voice Assistant with all of the mentioned functionalities		30
8	Verify that the program meets all requirements	5	
9	Test run app to look out for any potential bugs/issues	10	
10	Verify program's functionality and publish the program		5
Total (Hours):		50	50

1. Brainstorm and design the layout/User Interface of the application:

This step took around 10 hours to complete. This was due to the fact that I had to sketch out and design what the back end will look like as well as imagine how to design the front end. By taking time at this step, I made sure that I would not have to go back and redesign the layout.

2. Build application prototype:

This process took a lot of time due to the fact that I had to do a lot of research regarding Python and how to implement different modules. Furthermore, I also had to make sure that the prototype is easily accessible and can be updated without any conflicts.

3. Specify what accessibilities will be needed from the user to ensure that the program runs smoothly:

This includes researching and understanding what permissions will be needed from the user for the program to run smoothly. I spent a few hours on this to make sure that we have enough accessibility for all functions of the program.

4. Verify that the program meets all requirements:

I needed to make sure that the current version of the program checks out all of the requirements that we have set before.

5. Test run app to look out for any potential bugs/issues:

This includes going through the Test Plan to make sure that our program runs smoothly and does not cause an issue. Besides, I needed to make changes to the program so that it corresponded to our requirements.