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CS5001

Summary of Hours and Justification

1. Research which API will be needed for Speech-To-Text: 5 hours

   - Justification: Researching and selecting the right API for speech-to-text
     conversion is crucial for the functionality of the voice assistant. This task involves
     evaluating different APIs based on factors such as accuracy, ease of integration,
     and cost.

2. Investigate which API will be used for Text-To-Speech: 5 hours

   - Justification: Similar to speech-to-text, selecting the right API for text-to-speech
     conversion is essential. This task involves researching and comparing different
     APIs to ensure the chosen one meets the project's requirements.

3. Look into how to use ChatGPT API to handle any queries from the user: 5 hours

   - Justification: Understanding how to integrate and use the ChatGPT API is crucial
     for enabling the voice assistant to respond to user queries effectively. This task
     involves learning the API's functionalities and how to incorporate them into the
     voice assistant.

4. Build the actual Voice Assistant with all of the mentioned functionalities: 30 hours

   - Justification: This task involves the actual development of the voice assistant,
     including integrating the selected APIs, implementing speech-to-text and text-to-
     speech functionalities, and ensuring that the ChatGPT API is used to handle user

queries. This is the core task of the project and requires significant time and
effort.

5. Verify program's functionality and publish the program: 5 hours

- Justification: After building the voice assistant, it is important to verify its
functionality to ensure that it works as intended. This task involves testing the
program, identifying and fixing any issues, and preparing it for publication.
Publishing the program involves making it available for users to download or use.