

Desktop Assistant

This project is a desktop assistant program that performs various tasks based on voice commands. It uses Python and several modules to enable voice recognition, web browsing, accessing system files, and providing voice responses.

Features:

Wikipedia Search: The assistant can search for information on Wikipedia based on user input. It retrieves a summary of the requested topic and reads it aloud.

Web Search: The assistant can open various websites, such as Spotify, YouTube, Google, Gmail, Instagram, Facebook, and Flipkart, using web browser automation.

Play Music: The assistant can play music files from a specified directory on your system. It fetches the files from the designated music directory and plays the first song in the list.

Current Time: The assistant can provide the current time upon request. It retrieves the current time and speaks it out loud.

Open Visual Studio Code: The assistant can launch Visual Studio Code, a popular code editor, by executing the appropriate system command.

Shutdown: The assistant can be instructed to shut down by recognizing the command. Upon receiving the command, it will bid farewell and exit the program.

Usage:

Upon running the program, the assistant will greet the user and ask for commands.

The user can give voice commands to perform various actions:

- To search for information on Wikipedia, say "Wikipedia" followed by the topic you want to search.
- To open a website, say "Open" followed by the name of the website (e.g., "Open Spotify").
- To play music, say "Play music."
- To get the current time, say "The time."
- To open Visual Studio Code, say "VS Code."
- To shut down the assistant, say "Shutdown."

The assistant will execute the corresponding actions and provide voice responses or perform the requested tasks.

Please note that the program uses specific directories and file paths, which may need to be modified according to your system setup. Make sure to update the paths accordingly in the code.