Speech recognizing operating system

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Introduction:

Voice commands allows you to perform multiple actions with voice. This project focuses on accessing shell commands to run bash scripts by simply speaking commands.

The project is implemented using Python, with the aid of Google API for speech-to-text services.

The purpose of this project is to simplify the process of executing commands.

Implementation Details:

The project will be implemented using:

* Python
* Google text-to-speech
* Pyaudio

Furthermore, multiple built in libraries of python will be used to help detect microphone and to capture sound.

The project will contain shell commands, such as ‘create directory’, ‘list files’, ‘shutdown’, ’remove a folder’ etc. As well as, multiple system commands such as ‘screenshot’, ‘volume up’, ‘full screen’ etc.