README

Introduction

This Python script facilitates automatic interactions with Absher browsers using voice commands. It integrates the speech_recognition, pyautogui, and webbrowser libraries to recognize spoken Arabic commands and perform actions like opening websites, refreshing pages, and closing the browser.

Installation

Prerequisites

- Python 3.x
- Pip (Python package installer)

Libraries

This project requires the following Python libraries:
- speech_recognition
- pyautogui
- webbrowser (comes with Python standard library)

Install the required libraries using pip:

- pip install SpeechRecognition
- pip install pyautogui

Setup Microphone

Ensure that your microphone is set up and configured correctly on your operating system to capture audio properly.

Usage

1. **Starting the Script**:

- Open your terminal or command prompt.
- Navigate to the directory containing the script.
- Run the script using Python:
python your_script_name.py

2. **Voice Commands**:

- Once the script is running, speak one of the following commands in Arabic:
  - **افتح الموقع** (Open the website)
  - **تحديث الصفحه** (Refresh the page)
  - **اغلاق** (Close the browser)
- The script will recognize your voice command and execute the corresponding function.

Troubleshooting

- **Microphone Issues**:

  - If the script cannot hear you, check your microphone settings and ensure it is not muted or disabled.
  - Increase the `duration` parameter in `r.adjust_for_ambient_noise(source, duration=1)` if the environment is particularly noisy.

- **Library Errors**:

  - Ensure all dependencies are installed correctly. Reinstall them if necessary.
  - Check for errors related to `pyautogui` functions, particularly on Linux systems where additional setup might be needed for GUI interactions.

- **Voice Recognition Accuracy**:

  - Speak clearly and directly into the microphone.
  - Minimize background noise or move to a quieter location if possible.

To try the code:

https://colab.research.google.com/drive/1fbE6s7PJSgyo7lJTqgr2PlRf2hZz608d

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