**File Synchronization Tool**

This tool synchronizes files between local and remote folders, such as Dropbox folders.

**Dependencies,**

* Python 3.6 or later
* watchdog module (for monitoring file changes)
* dropbox module (for connecting to Dropbox API)

You can install the necessary dependencies by running the following command:

pip install watchdog dropbox,

**Usage,**

Set up a Dropbox API app and get an access token. See the Dropbox API documentation for instructions on how to do this.

* Clone or download the project files to your local machine.
* Open the config.py file and add your Dropbox access token to the DROPBOX\_ACCESS\_TOKEN variable.
* Open a terminal or command prompt window and navigate to the project directory.
* Run the command python sync.py local\_folder remote\_folder, where local\_folder is the path to the local folder you want to synchronize, and remote\_folder is the path to the remote folder in your Dropbox account. For example python sync.py /Users/username/Documents/Dropbox /Dropbox/My Documents

The tool will start monitoring the local folder for changes and syncing any new or modified files to the remote folder. You can stop the tool at any time by pressing Ctrl+C in the terminal.

**Frontend**

An HTML/CSS frontend is included in the project files (frontend.html and style.css). To use the front, follow these steps:

* Ensure that the dependencies are installed and the configuration file is set up as described above.
* Open a terminal or command prompt window and navigate to the project directory.
* Run the command python app.py.
* Open a web browser and go to http://localhost:5000.
* Use the form on the webpage to enter the paths to the local and remote folders, and click the "Sync Files" button to start the synchronization process.

Note that the front end is optional, and you can use the tool without it by running the sync.py script from the command line.

**Contributions**

* If you have an idea for a new feature or a bug fix, please open an issue or submit a pull request on GitHub.