

DropboxLinks.py instruction

This script generates URL for images in the Dropbox folders and fill it into an excel file.

The excel file should has all the image ids that corresponds to the filenames of the images. Then it fills the URL to the corresponding position according to the id of the image. (i.e., if an image named 123 in the Dropbox folder, the script will (1) generate a share URL for the image if it does not have a URL already; (2) loop through all the ids in the excel file to find the name “123” and fill that link into the excel sheet, after looping through all the images in all the folders, it will save the new excel sheet into a predetermined directory.)

To use the script, follow the instructions bellow.

1. Create Dropbox app (<https://www.dropbox.com/developers>)
2. Modify the Permission in the app, make sure the followings are checked

- ☒ files.content.read Read file data
- ☒ files.content.write Create, modify, and delete file data
- ☒ files.metadata.read Read file metadata
- ☒ files.metadata.write Create, modify, and delete file metadata
- ☒ sharing.read Read sharing policies and memberships
- ☒ sharing.write Create, modify, or delete sharing policies and memberships

By Xinyi Chen
August 19, 2020

- ☒ file_requests.read Read a user's file requests
- ☒ file_requests.write Create, modify, or delete a user's file requests

3. In the App setting, generate “Access Token” and set it to “No expiration” if needed, copy this access token
4. Download Dropbox API (<https://pypi.org/project/dropbox/>)
5. **Modify the script:** change these bellow

```
xlPath
```

```
# Replace with the Excel sheet directory in your laptop
```

```
savePath
```

```
# the new generated Excel file saving path
```

```
accessToken
```

```
# Replace with the new access token you just created in Dropbox App
```

```
imgFolders
```

```
# the name of the image folders in your Dropbox that you are trying to get the links
```

6. Run the program on CMD(will show progress bar in cmd) or directly in your Python IDE