AxessCleaner

This python module cleans a LaTex file in order to use the `axessibility.sty` package safely. It handles the following:

- User defined macro e.g `\def, \newcommand`, with and without inputs.
- Dollars-defined math environments, e.g `$$\sqrt{4}$$`
- Underscore
- Include external files with `\include, \input`

Getting Started

These instructions will get you a copy of the project up and running on your local machine for usage, development and testing.

Prerequisites

In order to use `axesscleaner.py` you need

- python Python 2 >=2.7.9 or Python 3 >=3.4 (https://www.python.org)
  - For windows user, please select the installer.exe (32 or 64 bit) and select also the PATH installation option.
- pip (https://pip.pypa.io/en/stable/installing/)
- For the pdflatex version, you need a working tex distribution.
  - TexLive
    - Mac Osx (http://www.tug.org/mactex/)
    - Windows, Ubuntu (https://www.tug.org/texlive/)
  - MikTex (https://miktex.org)

Installing

Download the folder on your local computer and unzip the content.

Step 1, Open prompt and go to directory

Linux/ Mac Osx

Open the terminal. Inside the terminal, go to the directory where the folder is stored using

```
cd <address of your folder>
```

For example, if your folder **Axesscleaner** is inside **Documents**, you can do

```
cd ~/Documents/Axesscleaner
```

Windows

Open the Command Prompt. If you are not familiar, please check this. Once open, go to the directory where the folder is stored using

```
cd <address of your folder>
```

For example, if your folder **Axesscleaner** is inside **Documents**, you can do

```
cd C:\Users\<User_Name>\Documents
```

Step 2, install dependencies

Once you are in the right folder, install all the dependencies

```
python -m pip install -r requirements.txt
```

Optionally, you can set up a virtualenv and do the same steps inside it (https://docs.python.org/3/library/venv.html).

Usage

Now, you are ready tu use our module from the command line. Let's look into the input/output structure.

By executing `python src/Py/axesscleaner.py -h` you get the following output

```
optional arguments:
  -h, --help  show this help message and exit
  -i INPUT    Input File (Required). It accepts only .tex files
  -o OUTPUT   Output File (optional, default: input file with _clean as
              suffix)
  -p          If selected, runs pdflatex at the end
```

Hence, in order to clean a file, execute:

```
axesscleaner.py -i <input file>.tex
```

It will generate `<input file>_clean.tex` in the same folder as the input file. With the option `-p`, i.e.

```
axesscleaner.py -i <input file>.tex -p
```

It will also generate the log files and the `input file>_clean.pdf`

To specify an output, you can execute:

```
axesscleaner.py -i <input file>.tex -o <output file>.tex
```

with or without `-p`.

Main Contributors

- Dragan Ahmetovic
- Tiziana Armano
- Cristian Bernareggi
- Michele Berra
- Sandro Coriasco
- Nadir Murru

See also the website of the project (www.integr-abile.unito.it) for the full list of contributors and testers.

License

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- ProgressBar
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- Flatex
- StripComments
- Perl scripts inspired by: this.