TextHighlighter Installation Guide

General

To install and manage all the necessary packages and dependencies for the assignments, we use conda, a popular package-manager for python. The homework assignments come with an `environment.yml` file which defines what third-party libraries we depend on. Conda will use this file to create a virtual environment for you. This virtual environment includes python and all other packages and tools we specified, separated from any pre-existing python installation you may have. Detailed installation instructions are below. We will not support any other installation method other than the one described.

For working on the code itself, we recommend using PyCharm, however you can use any other editor or IDE if you prefer.

Environment set-up

1. Install the python3 version of miniconda. Follow the installation instructions for your platform.

on linux you should do:

```
curl -fsSLO
https://repo.continuum.io/miniconda/Miniconda3-
latest-Linux-x86_64.sh
 bash Miniconda3-latest-Linux-x86_64.sh
 # Accept EULA
 # Install in default directory
 # Select no for editing .bashrc
```

```
 # Update your bashrc like so:
 echo "source
$HOME/miniconda3/etc/profile.d/conda.sh" >>
~/.bashrc
```

on macOS it's similar but with a different script URL:

```
curl -fsSLO
https://repo.continuum.io/miniconda/Miniconda3-
latest-MacOSX-x86_64.sh
 bash Miniconda3-latest-MacOSX-x86_64.sh
 # Rest is the same
```

on Windows, download the installer and follow the instructions on the conda website.

2. Use conda to create a virtual environment for the project. From the project's root directory, run:

```
conda env update -f environment.yml
```

This will install all the necessary packages into a new conda virtual environment named TextHighlighter.

3. Activate the new environment by running:

```
conda activate TextHighlighter
```

Conda cheat sheet

Click this Link for more Conda environment commands

Environment packages:

i. Json
   a. Json is a built-in module, so the import command should work without a problem.
   b. For any problem try to install manually by running: pip install jsonlib

ii. Wxpython
   a. For any problem try to install manually by running: pip install -U wxPython
   b. For further help click here or here

iii. Pypandoc
   a. For any problem try to install manually by running: pip install pypandoc
   b. For further help click here