Argupedia - Appendix

6CCS3PRJ – Individual Project

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# Testing Screenshots

# External Libraries used

External libraries used in the project (except the Django framework itesef) is located in the path: *‘\Lib\site-packages’*. The external libraries & framework used in the project along with their purpose is listed below:

##### Django - 2.2.7

The framework for the project which lays out the foundational structure of the architecture of the application and provides essential security libraries for web application development.

Source: <https://www.djangoproject.com>

##### Django-Mptt - 0.9.1

This library provides a tree data structure which perfectly integrates with Django model. It is used to represent debates in a graph structure in the database

Source: <https://django-mptt.readthedocs.io/en/latest/>

##### Bootstrap – 4.3.1

Used to provide a consistent and coherent front-end styling for the application.

Source: <https://getbootstrap.com>

##### JQuery – 3.3.1

Allows sections in pages of the application to update without the need to reload the entire page. In addition, it is used to make asynchronous requests for upvoting/downvoting an argument.

Source: <https://jquery.com>

##### Bleach – 3.0.2

This library allows sanitization of HTML content. It allows filtering HTML tags, attributes and styles to a permissible subset defined. It is used when formatting user input of an argument to highlight headers of scheme structure.

Source: <https://pypi.org/project/django-bleach/>

##### D3.JS – 4.0

This is a JavaScript based library used to visualize debates in the form of directed graph.

Source: <https://d3js.org>

##### Django-JS-Asset – 1.2.2

Allows insertion of additional attributes when importing scripts in HTML. Is used when importing ‘D3’.

Source: <https://github.com/matthiask/django-js-asset>

##### Markdown – 3.0.1

Allows conversion of ‘Markdown’ formatted test to HTML. It is used when formatting user input of an argument to highlight headers of scheme structure.

Source: <https://pypi.org/project/django-markdown/>

##### Pytz – 2019.3

Allows accurate and cross platform time zone calculations. It is used to timestamp arguments in debates.

Source: <https://pypi.org/project/pytz/>

##### Six – 1.13.0

Allows bridging the gap between python version 2 and 3. It offers utility functions to smooth the gaps between the Python versions with the purpose of writing Python code consistent with all Python versions.

Source: <https://pypi.org/project/django-six/>

##### SQLParse – 0.3.0

It offers parsing and formatting support for SQL statements.

Source: <https://pypi.org/project/sqlparse/>

##### WebEncodings – 0.5.1

Allows compatibility with legacy web-content in charset interpretation.

Source: <https://pypi.org/project/webencodings/>

# Project Running Instructions

* Extract the project.
* Navigate to the path of the project using command prompt:
  + cd <project location>
* Navigate to the scripts folder using command prompt:
  + cd Scripts
* Activate virtual environment:
  + activate.bat
* Back out of the folder into the root folder:
  + cd ..
* Run the following command:
  + python manage.py runserver
* This will start the web-server. A URL will be displayed in the command prompt. Copy the URL into a browser to access the website.

# Code Listing