beautifulsoup4

First install

* Pip install beautifulsoup4
* Pip install lxml
* Pip install html5lib
* Pip install requests

**Explains its central purpose:**

Beautiful Soup, the purpose of this library is to pull data out of HTML and XML files, and it provides idiomatic ways of navigating, searching, and modifying the parse tree.

**describes useful and/or interesting ways in which it might be used (with at least two practical examples)**:

it is useful for web scraping; web scraping is data scraping used to extract data from the website. The web scraping software access the WWW using the HTP or a web browser. For example, if we wanted to get all the p tags from a website, we could write a code to do that. The code would request the content of the site from the server and download it. Then it would go through the pages HTML looking for the p tags. One example in which it can be helpful is to create a search bot and les say I want to get the title and the price of the product with the high rating based on their ids.

**provides a high-level overview of the different functions included in the library:**

1. **Get\_text():** This function extract the text part of the newly found element, but we need to modify the function in order to get the perfect output from the website.
2. **Strip(),:** The trip function returns a copy of the string with both leading and trailing characters removed. Its useful to remove the empty spaces we have in titles or any type of noise in the string or element we are getting.

Documentation link:

**https://www.crummy.com/software/BeautifulSoup/bs4/doc/**