This scraper is implemented in Python 3.7.3. Please also have the BeautifulSoup (>= 4.9.0) package installed prior to running the scraper. For the extra credit parts, please have Matplotlib and NetworkX installed as well.

Direct to the working folder, and in your terminal, please run **python3 main.py -h** to look at all options for running the scraper. You should be asked to give an url of a book to begin with. The parameters nbook and nauthor to scrape are optional.

An example to run the scraper with Clean Code: A Handbook of Agile Software Craftsmanship would be:

python3 main.py --url https://www.goodreads.com/book/show/3735293-clean-code

After the scraper has finished running, there should be two files generated: book.json & author.json:

```
() book_jon >...

["hook_wri"; "https://www.goodreads.com/book/show/3735293-clean-code", "title": "Clean Code: A Handbook of Agile Software Craftsmanship", "book_di": "3735293", "lsbn": "978013235888", "author_wri": "https://www.goodreads.com/author/show/ds372.Robert_C_Martin", "author": "hook_di": "3735293", "lsbn": "y78013235888", "author_wri": 1889], "review_count": 386, "mage_wri", "https://soft-spsets.com/jamges/S/compressed. photo.goodreads.com/books/14362026071/3735293. $X318_jpg", "simlar_books": ["4099.The_Pragmatic_Programmer", "85009.besign_Patterns", "44950.Refactoring", "85123.Head_First_Design_Patterns", "44950.Code_Complete", "49927404-effective_java", "44919.

Working_effectively_vith_leagev_Code", "19133.Domain_Oriven_Design," "387901.est_Driven_penent", "25303-1373-the-software-craftsman", "2998132-javascript", "85912.Enterprise_Integration_Patterns", "79156.Patterns_of_Enterprise_Application_Architecture", "38529.

The_Mythical_Man_Romin*, "22519231-building-microservices", "179233_Java_Concurrency_in_Pragmatic_Programmer", "45121-" "the Pragmatic_Programmer From Journeyman to Master", "book_id": "37923_Java_Concurrency_in_Pragmatic_Programmer", "ititle": "the Pragmatic_Programmer From Journeyman to Master", "book_id": "37923_2, Java_Concurrency_in_Pragmatic_Programmer", "ititle": "the Pragmatic_Programmer From Journeyman to Master", "book_id": "https://www.goodreads.com/books/show/4099.The_Pragmatic_Programmer", "ititle": "the Pragmatic_Programmer From Journeyman to Master, "book_id": "https://www.goodreads.com/books/show/4099.Jig", "smillar_books": "1973529-clean-code", "88099.

Design_Patterns", "4845.Code_Complete", "44936.Refactoring", "10284614-the-clean-coder", "38128.Head_First_Design_Patterns", "1829.

The_Mythical_Man_Monthim_" "4499, Monthim_" "4499.Refactoring", "10284614-the-clean-coder", "38128.Head_First_Design_Patterns", "1829.

The_C_programmin_Language"), "1000-Lun': "Mittings://www.goodreads.com/books/show/4099.June_Patterns", "1809.June_Patterns", "1809.June_Patterns", "18
```

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(*) authorjaon > (*) O > (*) authorjaon > (*)
```

To run the unit tests, use the following command:

To run the extra credit part, use the following command after you have done the above scraping: python3 extra.py

This should generate a figure like the one below:

