

Open Source Strategy's project

During a conversation with my roommate about open-source projects on Github, he told me about the sherlock project and explained very briefly the purpose of this project. The goal of this project is to search for user accounts on the different social networks listed in the database from a given username.

The first step of the project was to install and compile the project. To do this I just had to clone the Git repository and execute a command mentioned in their tutorial. So I only had to run the command "python3 sherlock.py username" to launch the program.

The second step of my contribution was to contact the community to see what could be done to make a small contribution to this project. I was quickly told to check the CONTRIBUTING.md file to see the accepted contributions or to correct typos in the project documentation. So I spent more time reading the CONTRIBUTING.md file. After reading this file, we have the choice to add one or more sites in the data.json file or to bring new features. The goal of this project being to bring a light contribution to an Open Source project and not to add new functionalities to this one, I started to look for sites to add to the project.

Being in Master 1 in Cybersecurity, the sites tryhackme and root-me came directly to my mind. While talking with my roommate, he also suggested me to add mastodon and couchsurfing. However, while inspecting the list of sites already taken into account in this project, I could quickly see that tryhackme, mastodon and couchsurfing were already present in the data.json file. On the other hand, root-me was not yet present in this file and was not included in the list of sites removed from the project because of errors in the tests or false positive returns.

The last step of the project was to add root-me to the data.json file, to see if this site passed all the tests of the project, to make an additional test locally and to publish my merge-request. Root-me having passed all these steps successfully, I was able to perform my merge-request very easily by first forking the project and then performing the merge-request.

Appendix

```
# clone the repo
$ git clone https://github.com/sherlock-project/sherlock.git

# change the working directory to sherlock
$ cd sherlock

# install the requirements
$ python3 -m pip install -r requirements.txt
```

Figure 1: Sherlock's installation

```
To search for only one user:  
  
python3 sherlock user123  
  
To search for more than one user:  
  
python3 sherlock user1 user2 user3
```

Figure 2: Sherlock's usage

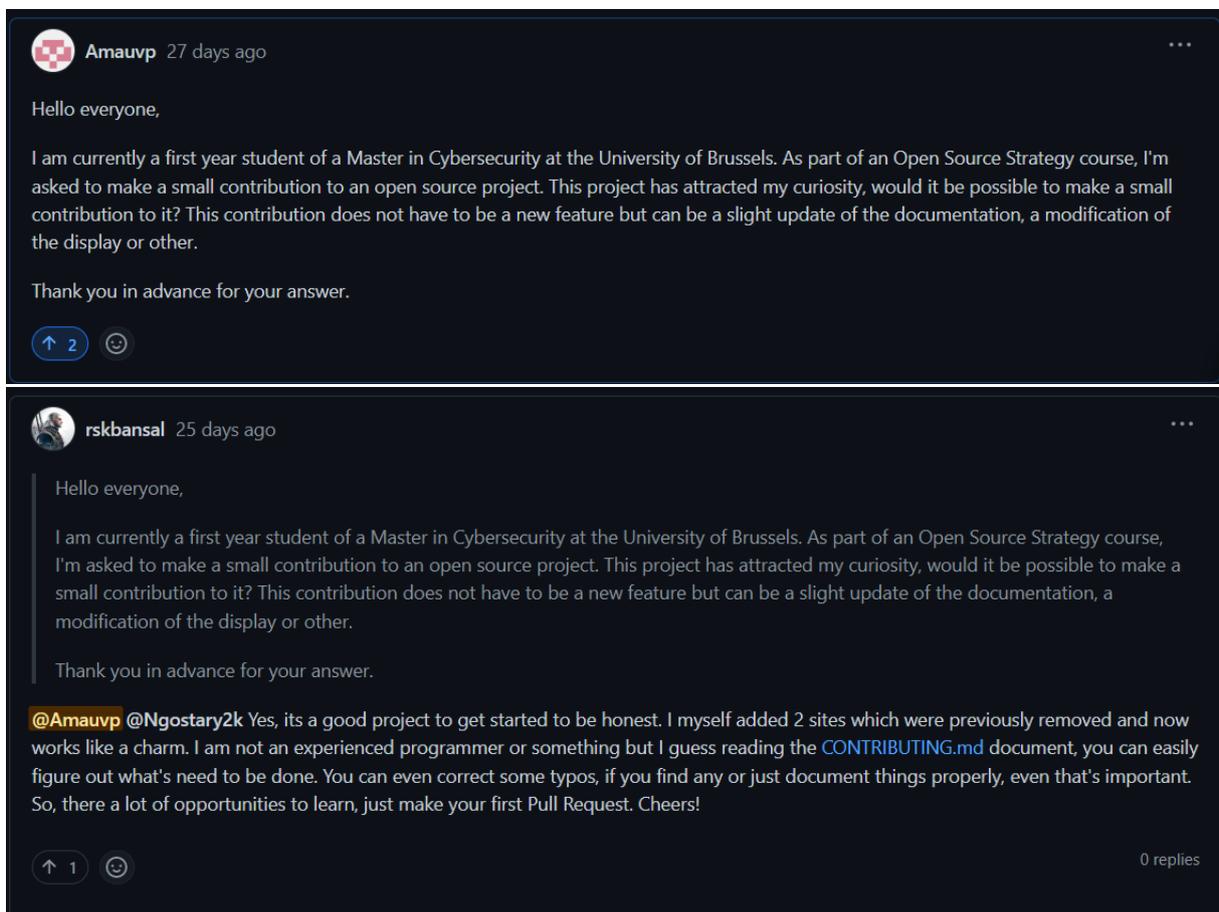


Figure 3: Interaction with the community

How To Contribute To Sherlock

First off, thank you for the help!

There are many ways to contribute. Here is some high level grouping.

Adding New Sites

Please look at the Wiki entry on [adding new sites](#) to understand the issues.

Any new sites that are added need to have a username that has been claimed, and one that is unclaimed documented in the site data. This allows the regression tests to ensure that everything is working.

It is required that a contributor test any new sites by either running the full tests, or running a site-specific query against the claimed and unclaimed usernames.

It is not required that a contributor run the [site_list.py](#) script.

If there are performance problems with a site (e.g. slow to respond, unreliable uptime, ...), then the site may be removed from the list. The [removed_sites.md](#) file contains sites that were included at one time in Sherlock, but had to be removed for one reason or another.

Adding New Functionality

Please ensure that the content on your branch passes all tests before submitting a pull request.

Figure 4: CONTRIBUTING.md

```
"Some Cool Site That Everyone Loves": {  
  "errorType": "status_code",  
  "regexCheck": "^[a-zA-Z][a-zA-Z0-9_-]*$",  
  "url": "https://somecoolsitethateveryoneloves.com/members/{}",  
  "urlMain": "https://somecoolsitethateveryoneloves.com",  
  "username_claimed": "blue",  
  "username_unclaimed": "noonewouldeveruse7"  
},
```

Figure 5: Adding site format

```
},  
"root-me": {  
  "errorType": "status_code",  
  "errorCode": 404,  
  "url": "https://www.root-me.org/{}",  
  "urlMain": "https://www.root-me.org",  
  "username_claimed": "MomoVP",  
  "username_unclaimed": "MomoVP2589"  
}  
}
```

Figure 6: Adding root-me

```
$ cd sherlock/sherlock
$ python3 -m unittest tests.all --verbose
```

Figure 7: execution of the tests

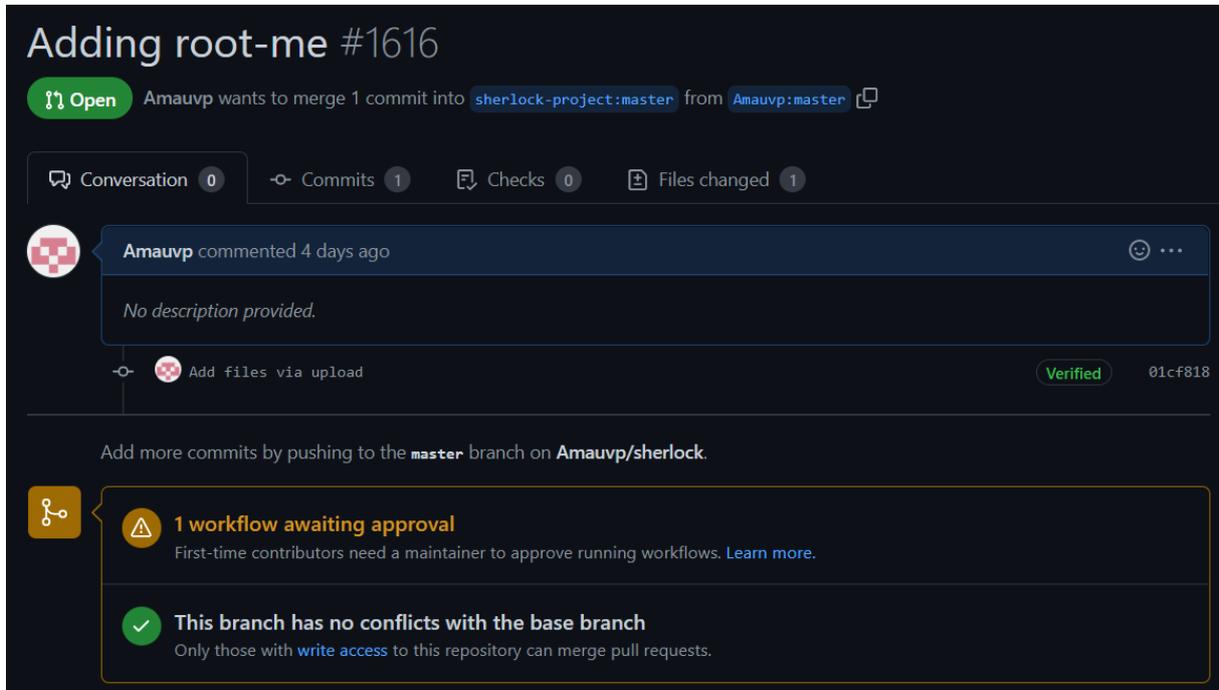


Figure 8: Merge request

```
PS C:\Users\avanp\Documents\Unif\MA1\Q1\Open Source Strategy\sherlock\sherlock> python3 sherlock.py -l MomoVP
[*] Checking username MomoVP on:
[+] Archive of Our Own: https://archiveofourown.org/users/MomoVP
[+] AskFM: https://ask.fm/MomoVP
[+] CNET: https://www.cnet.com/profiles/MomoVP/
[+] EyeEm: https://www.eyeem.com/u/MomoVP
[+] Facebook: https://www.facebook.com/MomoVP
[+] Fiverr: https://www.fiverr.com/MomoVP
[+] FortniteTracker: https://fortnitetracker.com/profile/all/MomoVP
[+] Imgur: https://imgur.com/user/MomoVP
[+] Instagram: https://www.instagram.com/MomoVP
[+] Kik: https://kik.me/MomoVP
[+] Linktree: https://linktr.ee/MomoVP
[+] Quizlet: https://quizlet.com/MomoVP
[+] Reddit: https://www.reddit.com/user/MomoVP
[+] Roblox: https://www.roblox.com/user.aspx?username=MomoVP
[+] Smule: https://www.smule.com/MomoVP
[+] Twitch: https://www.twitch.tv/MomoVP
[+] Twitter: https://twitter.com/MomoVP
[+] geocaching: https://www.geocaching.com/p/default.aspx?u=MomoVP
[+] last.fm: https://last.fm/user/MomoVP
[+] osu!: https://osu.ppy.sh/users/MomoVP
[+] Youtube Channel: https://www.youtube.com/c/MomoVP
[+] Youtube User: https://www.youtube.com/user/MomoVP
[+] root-me: https://www.root-me.org/MomoVP

[*] Results: 23
[!] End: The processing has been finished.
```

Figure 9: effective test