

KWoC 2017 | Kharagpur Winter of Code Project Report

Kharagpur Winter of Code is a month long online programme for the students, who are new to the world of open source. The programme not only helps students to get over their fear of open source contribution, but also preps them for many open source summer programmes, Google Summer of Code being one of them. I stumbled upon KWOC through facebook in summer vacation of 2017. I always wanted to get into a opensource project and give some contributions and i needed a project or something to keep me busy during winter vacations. So without a second thought i had made up my mind to get into KWOC and i can say it has been a wonderful journey

Choosing the Project:

This part was like when a kid is left alone in a toy store. The projects were so good and practical that i wanted to get into all of them. But i had just started python then and i knew i had to focus on 1-2 projects if i want to learn something properly. I initially started with projects [FB-Spider](#) and [Crickfev](#), but as i had already done a similar kind of project in hacktoberfest i decided to stick with FB-Spider. My mentor for the project was [Parth Verma](#)

Progress:

update 1

Now when i cloned the project to run it locally i got lot of errors. This was primarily due to that i was using python 3 while the project was written in python2. So the first PR was basically porting the entire code to python 3. The first PR i sent ported most of the code to python 3 but there were still few errors. Parth helped me out here and i made a fresh complete PR.

update 2

The next problem was if we search a page which doesn't exist the program terminates showing error messages. So the error had to be handled properly showing appropriate message. Another problem was the project used requirements.txt to install all the dependencies, and it is better to have a setup.py for your python project, so that it works like a python package. So both of these issues were fixed in this PR

update 3

Now after adding setup.py to the project the installation procedure changes a little bit. So the README.md needed to be updated accordingly, so that newcomers don't face any problem while installing the project. So the README.md was updated with added gifs to make it more interactive

update 4

Now this is the best part of the project. Aim of a project is always to produce end user application, so project needed to be converted to a fully fledged CLI application. The click library was saviour here which helped to change the entire project to a complete python command line application. This part required a little more time as i had to know about click library and make the code error proof, especially ensure that data stored like access token doesn't get corrupted. But the end result was worth seeing

Vote of thanks:

Huge thanks to Parth Verma for helping me out during the entire programme. I never had to wait when i asked any doubts or i needed my PR's to be reviewed and merged, It would be maximum 6 hrs and he would surely reply giving a proper review. He also gave me a lot of insight regarding his GSOC experience. It was lot of fun working with him. Thanks again! ☐ Also thank you IIT Kharagpur, KOSS for hosting a beginner friendly program, and making sure the learning is maximum. Hoping for more events like this in the future.