

Internal Project Retrospective

Throughout these 12 weeks, we have allocated our time accordingly for each of the project requirements provided to us by the client's \$100 test. The highest weight priority was given to web-scraping the care opinion website and generating the required files. The next priority was creating a database that would allow us to store the scraped information with the unique ID of each web-scraped page, access data by searching with tags and connect the database with a functional graphic user interface (GUI). The least importance was given to the GUI that would be linked to the database.

In sprint 1, the clarification of the project requirements and planning of the project was done while the coding of all the requirements was done in sprint 2. We completed the coding for web-scraping, database and GUI during the duration of sprint 2 and were left with some last minute changes by the client. Subsequently, in sprint 3, we completed the unit testing for our web-scraping program. Overall, we were on track with the timeline and goals we set for ourselves at the start of the project and had successfully completed all of the requirements that the client had wanted.

The client had prioritized greatly on the web-scraping function at first and later added that he wanted a database and GUI too. Thankfully, these additional features were added nearing the end of our planning stage and we were able to adapt to the new goals and timeline easily. The client also added in a few changes to be made in the middle of sprint 3 such as slightly altering what was being scraped and having a list of URLs that got an error during the scrape.

We have created a web-scraping program that is able to extract information from the website and put them into separate files. Additionally, we have created a database that has three tables, one for the stories and their various tags, another for its responses and the last for any updates that were made by the original review author. We have also built an appealing GUI that is linked to our database and is able to search through the database for any specific data needed. With the client's request, we have also completed all the small alterations of the scraped files.

The web-scraping program is done and working well. We ran the program and downloaded all the necessary files that the client wants, including a database that contains all of the information too. All test units, to ensure the reliability and performance of the code, are done and are showing no problems from the completed web-scraped files. The database and GUI are also completed and running. We also recommend having the application called DB Browser to the client, where he can search or filter the database data to display any information that he would like to view.

With the goals that we have set, we have successfully completed our project on track and we are also on track with regards to the expected timeline given on the timesheet. Throughout this

whole project, we used a website called Click Up to stay on track with our work. We assign and distribute work with deadlines where everyone can see who was assigned which task. We can change the status of a task depending on where we are with it and are able to plan out our schedule efficiently. This ensures we are always on track and is aware of any changes made to the project. In conclusion, we are tracking well with the project regarding the expected timeline.