

Review:

I enjoyed the project overall, although it could have went a lot better. There were only 2 people in our group, I didn't really get a good experience of the scrum methodology, because I ended just doing most of the work on my own. However, I did get good hands on experience with APIs, git, deploying programs on EC2 and creating a basic web app. I now know that I don't like front-end development, especially CSS and HTML, I would prefer to stick to back end development, as I like Java and Python a lot.

The first thing I did was build the Dublin Bikes scraper. I learned how to setup a database on Amazon RDS, query an API with python's requests module and then store the information from the query in the database using the sqlalchemy module. I then used Github to clone the scraper and the conda environment it ran on to a ubuntu instance on Amazon EC2, to run the scraper 24/7. I also did the same with the weather scraper, using the openweathermap API.

I made the flask app, which displayed a google map, using the google maps API. I learned how to dynamically update the information on the webpage by using *fetch* and *async functions* in JavaScript to display the current availability of each station. I used nginx and gunicorn to host the webapp on EC2. We didn't get the model finished in time, so I wasn't able to implement it in the app.