**Daily Meetings**

**12.03.18:**

Not really a daily, more of an extension of the sprint planning meeting. First, we discussed database design and setup. We decided to have it as simple as possible in the beginning, so we set up a public MySQL database using RDS from AWS. Furthermore, we distributed some of the tasks in the current sprint.

**13.03.18:**

**What we did yesterday:** Set up a MySQL instance and populated it with two tables, one for dynamic weather data and one for static weather data.

**What we plan on doing today:** Distribute the remaining tasks among the team members and make time estimates. Also, set up the database table for dynamic weather data and a push a blank project structure to GitHub.

**Roadblocks:** Planned on storing dynamic data for all 100 bike stations in one single table. However unsure if that table will not grow to large in the future if it receives 100 rows every 5 minutes 24/7. So maybe set up a separate table for each station?

**14.03.18:**

**What we did yesterday:** Only distributed tasks among team members and made time estimates

**What we plan on doing today:** Complete the setup of GitHub repo and write two scripts: one to scrape static station data and populate DB and another to do the same for dynamic bike data.

**Roadblocks:** Resolved roadblock from previous day. Apparently, DB table can easily handle that amount of data.

**15.03.18:**

**What we did yesterday:** Completed the setup of GitHub repo and finished the script that parses and writes static bike data to the DB. BikeStationStaticData table now filled. Got started on the script for dynamic bike data.

**What we plan on doing today:** Create a module which can be used repeatedly to connect to the DB and execute our required queries, rather than having to re-write code to do that every time we have a new function. Also add a crontab template for the cronjob later down the line.

**Roadblocks: -/-**

**16.03.18:**

**What we did yesterday:** Created a DB module for easier DB connection. Finished the script for scraping and writing dynamic bike data. Added a crontab template.

**What we plan on doing today: -/-**

**Roadblocks: -/-**

**19.03.18:**

**What we did yesterday: -/-**

**What we plan on doing today:** Setting up a table for dynamic weather data and get started on the dynamic weather data parser

**Roadblocks:** Noticed that the DB instance’s storage kept growing. After a couple days of running it was already at 20% (4GB/20GB). Unsure if we might have to stop DB instance.

**20.03.18:**

**What we did yesterday:** Set up table for dynamic weather data

**What we plan on doing today:** Work on the dynamic weather data parser

**Roadblocks: -/-**

**21.03.18:**

**What we did yesterday:** Worked on the dynamic weather data parser

**What we plan on doing today:** Finish the scraping and extracting of data fields for the dynamic weather data

**Roadblocks: -/-**

**22.03.18: No daily**

**23.03.18:**

**What we did yesterday:** Finished the scraping for the dynamic weather data

**What we plan on doing today:** Connect the scraper for dynamic weather data to its appropriate DB table. Set up an EC2 instance with a Cron job that runs these parsers at certain time intervals.

**Roadblocks: -/-**