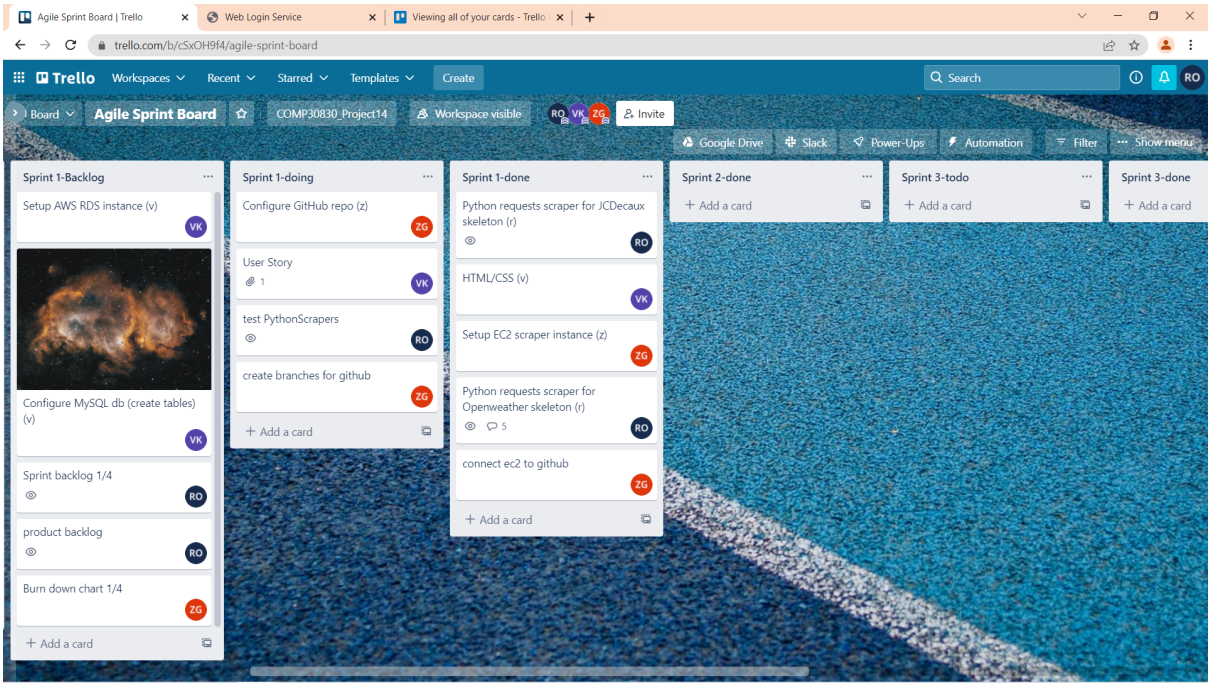
Victoria Monday - Rhys Wednesday - Zaur Friday

Sprint Planning 5.2
We planned who would do what jobs, jobs were given out evenly, see below.



Scrum Meeting 9.2.
Z - Spent an hour looking at ec2 and configuring github repo, more difficult than expected, settings are important, almost finished github repo, going to add r and v as admins on github, ec2 already set up, ssh'ed into ec2, just a trial run currently, does not foresee future issues. At the end of two weeks figure out how to connect different components together.
R - static data available, if loop query to get static data from json, v likes this, has to figure out how to make web scrapers for both jcd and weather, and then code it up, once one is done the other should be relatively simple to do, with the aim to do it as soon as possible, should ask owner what to do
V- static table easy, dynamic could be more difficult, rds instance will be collaborated on with zuar, z said we should know what to ask owner, schedule a set time with Eoin weekly at 10 on thursday
Z - during the second sprint it is important to get as much as possible done, once data stored and scraped make a nice dashboard. Since we already have static data we can easily work with that, can make decisions about design philosophy during second sprint, will be relatively easy to design front end, functionality is key,
V- first sprint focused on connectivity,
z - first sprint about getting parts functional, march break is when the project should come together - unsure as to what the product owner does.

Owner meeting 10.2
Spoke with the owner about specs, and what we are expected to have done for the end of the first sprint.

Scrum meeting 11.2
Victoria and Rhys spoke at 2pm about the project.
Zaur was not able to make it until 2:30 as there was a slight change of times which he did not know about until later. Nonetheless Victoria stayed on until 3pm and filled Zaur in with the conversation and relayed information back and forth. Rhys and Victoria discussed the projects and updates and Rhys confirmed completion of the OpenWeather scraper.
Victoria has been completing the RDS and working on deploying it once Zaur has finished the EC2 scraper instance
Zaur has completed the GitHub repository set up and created a branch and more for the team. He is now finishing up the EC2 scraper and plan is to be ready by the end of the week.

Scrum Meeting 14.2
Rhys mentioned he completed the openweather scraper
Victoria Discussed the Dynamic SQL and mentioned it was still in progress, awaiting scraper to pull data
Zaur reported that the EC2 was ready and weather scraper was pushed to the EC2
Zaur also mentioned setting up Github branches for compartmentalising the work and working on burnout charts.

Owner Meeting 17.2
Go through what we said we would do last week
How scrapers are getting on
V said that we regularly use trello for managing our tasks
No sprint1 doing when sprint2 active
Zaur showing github, Eoin seems happy enough
Showed Eoin that branches are in the project, he said that we shouldn't be using main branches, that we should be committing to branches in case anything would happen to main.
We said that burndown needs to be done, and story/product backlog are works in progress, and that sprint backlog is done.
Said we done too much work for story
Z showed Eoin instance, z asked if it should be on all the time, Eoin said to be weary of costs.
Eoin said scrapers are okay
Z asking about rds, discussing cost, should use standard, do not put passwords up on github,
E said not to go too forward as some parts may not align with what is expected in the module.
Meeting ended.

Minutes meeting
17/2

V: discuss what the product will actually do and look like
R: user will open the app, see bikes and get an idea on availability
Z: we will be able to use a heat map type function to make user view it in a user friendly way

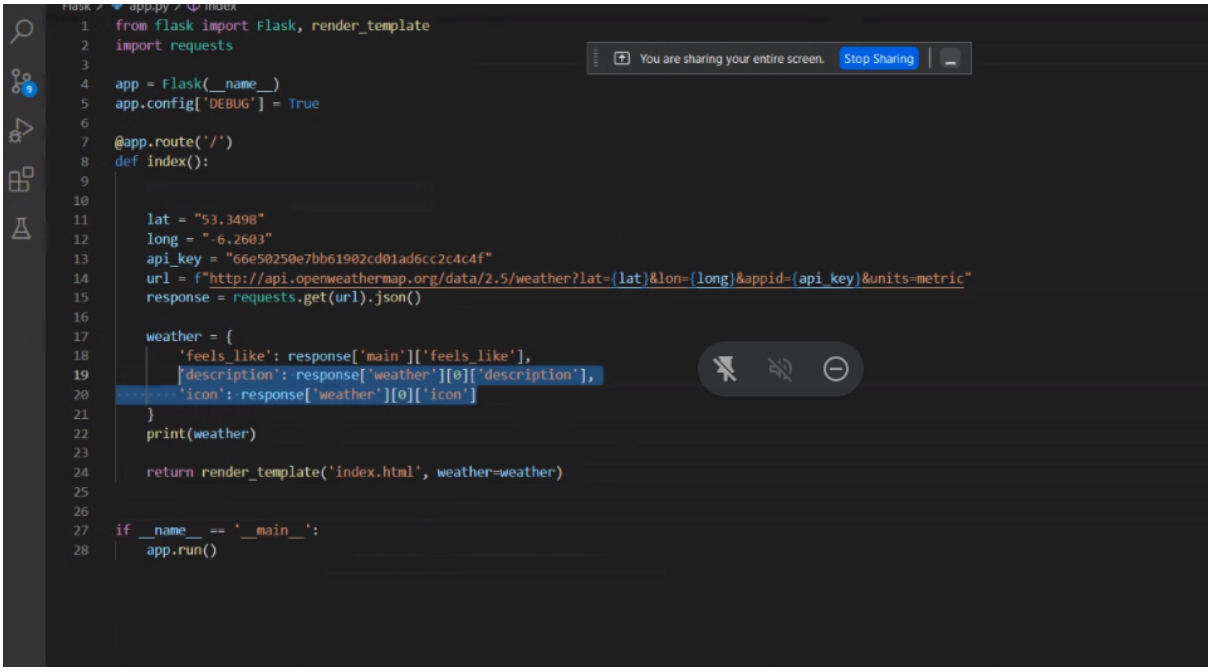
V: the weather data will go to the bottom of the page, if we just do dublin, it is not going to change for each station
R: how will it affect what we are doing?
Z: I will need to do the product backlog and such soon, will do it this weekend
R: say one station is 200 meters away and another is 100 meter away, what will the weather actually make?
Z: we are not making a high level representation of the weather
V: the main thing we need to predict the busy bikes times, when the most bikes will be taken, that impacts more than the weather if someone makes a decision
R: q to victoria, we are getting real time data from the bike station
Z: what i imagine we will be doing is, creating a linear regression model which gives us a % of probability of something occurring, in this case, capacity at a given time of day, so like a prediction of how many bikes will be available at a given, and this prediction will be used then to give a coefficient so we will get some sort of integer out of 10, and higher meaning more chance and lower meaning less chance, and this figure will then be used to make a decision and hopefully be what offering
V: predicting how many bikes will be there in an hour or next hour
Z: that will be the most difficult task
Z:
https://scikit-learn.org/stable/modules/generated/sklearn.linear_model.LinearRegression.html
R: could we possibly do some type of business, it will tell us the busier than usual or less busier than usual, sorta like how google does it.
Z: high correlation between weather and bike occupancy
R: for this weekend, let's sit down and figure out what we need to sprint

Minutes 22/02

Began at 9am by all three discussing Monday lecture and find an overview of what Sprint 2 entails, coming to find that it revolved primarily around Flask and REST API.
Z added he has burndown chart for Sprint 1 done, and said he will post it to Trello.
Z mentioned updating cards relevant to Sprint 2 on Trello.
All three discussed Sprint 2 backlog, agreed more information was needed to be gathered over course of week in order to get into exact tasks.
All three discussed how to distribute overview of tasks this week based on lecture information.
R suggested Z continue working on SRS and backlog, Z agreed
V suggested R work on initial Flask development, R agreed
V said she will work on UI template, wireframes and HTML Zinja
V mentioned a dev branch could be set up for everyone to contribute and pull from for working on project without compromising main branch.
All three discussed the expectation of Flask to be a large quantity of the project, and agreed everyone should contribute. It was suggested that while R lays groundwork, V and Z will work on their respective tasks first before working with R on Flask Development.
It was agreed that once a further understanding of the Flask element of the project is gained, everyone will reconvene to discuss further on how to divide Flask based tasks between them.
Meeting was concluded at 9:21

Owner Meeting - 24.2 - rhys
E - wants to see github
V - sharing github
E - eoin looking at github says everything is okay, just giving advice about how to structure github branches, use a developer branch, to spin off branches. Getting used to git terminal is very useful. Z concurs.
E - data analytics is important, scrapers need to run for a month, to actually run data analytics. We need to have scrapers running on ec2. Should check on a daily basis.
V - found setting up her database difficult.
Z - found delegation difficult.
R - good group cohesion.
E - said to keep working on the flask, and that good start.
V - is designing the website.

Z: How is everything going?
V: You set up a notebook, parsed data into a json file (as a workaround) and will work on it this week
R: Showed us a photo and screen share of the computer and the map and said he has some ongoing issues but is working on it
Z: What would you like me to do?
R: You can work with me on the Javascript
R: On our website we want to show weather, it is currently being pulled from the json
R: He wants it to be pulled from the database from the EC2
R: SQL query
V: On the actual webpage, we are only pulling the weather from the database and the prediction model is only based on what we have



Z: I will implement it so it pulls the data from the EC2 hello zaur
Z: Setting up flask on an EC2
V: EC2 details on the main chat
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