Software Engineering Project: Meetings: Sprint 1

All meetings take place during the allocated hours for the lab sessions associated with COMP30830 Software Engineering. The exception during this first sprint is Meeting 3, which was intended as the first standup meeting of the sprint, but developed into a full meeting in which the project was discussed in full and tasks were planned for the remainder of the sprint.

Meeting 1: Tuesday 11/02/2020 (Sprint Day 2 of 10)
9:00am-11am - Computer Science B106 (during practical time)
Members present: Thomas, Kevin, Conor

- First meeting: group members initialised on Saturday 08/02/2020
- A shared github repository was set up to contain files associated with the project. Test commits were pushed to the repository by everyone to ensure everything was working properly. Each member ensured that their version of Visual Studio Code had git compatibility.
- Trello board set up, updated with the first project tasks required.
- Discussed the first steps to be taken in the project: Setting up a data scraper in python to retrieve JSON data with information for each bicycle station.

Meeting 2: Thursday 13/02/2020 (Sprint Day 4 of 10)
9:00am-10:45am - Science East E1.17 (during practical time)
Members present: Thomas, Kevin, Conor

- Slack set up.
- Worked on data scraper; not yet finished
- Discussion with Karl (TA) about setting up a weather API. Further discussion included the importance of record keeping and documentation of all aspects of the project.
- Updated tasks on Trello: New tasks assigned: overall project research, research APIs for weather; learn more about scrum methodologies for record keeping. Update on existing tasks: further changes to be made to existing but incomplete data scraper.
- Burndown chart analysis: 6 hours work behind schedule.

Meeting 3: Monday 17/02/2020 (Sprint Day 6 of 10)
4:30pm-5:50pm - Health Science Building Lobby
Members present: Thomas, Kevin, Conor

- Discussed completed tasks: data scraper for bicycle data now functional and retrieving information every three minutes.
- First time looking at the design of what the user should see on the webpage: map to take up most of screen, pop-up will show bike station name, number of bikes etc. and also ideally a graph of how many bikes are predicted to be at a specific station during certain weather conditions at different parts of the day (ideally one estimate per hour from daytime hours 6am-10pm)
- Discussing whether or not the weather data is to be used for each specific bike station or just for the city as a whole
- Figuring out the best way to display weather. Current idea: displaying the general forecast on the main page and then more specific information in the pop-up when the user clicks on a certain station
- First look at system architecture: rough diagrams drawn to display what the system *should* look like
- Wrote up questions to ask Karl at Practical Session on Tuesday 18/02/2020
- Questions: ask about architecture, where is the flask application in the architecture? Best things possible to do with weather data?
- Items to add to backlog of things to complete before end of sprint:
    - Set up python script to read weather data every hour and push it to the database (RDS) and when that is working it is to be pushed to github, then pulled from github to EC2. (Estimated time: 4 hours)
    - Update all notes from meetings, begin formatting documentation and designing burndown graphs.

Meeting 4: Tuesday 18/02/2020 (Sprint Day 7 of 10)
9:10am-10:45am Computer Science B106 (during practical time)
Members present: Thomas, Kevin, Conor

- Daily standup completed during this time (notes contained in Standup_Meetings.pdf)
- Asked Karl questions regarding documentation (backlogs, burndowns etc.) as well as a problem in the development of the code for scraping weather data, which was subsequently fixed
- Still working on getting weather API up and running
- Completed basic Flask application: app is now sending a small amount of data to the front end.
- Organised time/date for Sprint 1 Review and Retrospective: 11am on Friday 21/02/2020
- Started to keep all documentation for daily standups in a separate Slack channel based on advice from Karl, full meeting documentation (such as longer meetings during practical time) to be kept separate in a Google Doc
- Burndown chart analysis: still slightly behind schedule

Meeting 5: Thursday 20/02/2020 (Sprint Day 9 of 10)
9:00am-10:45am Science East E1.17 (during practical time)
Members present: Thomas, Kevin, Conor

- Daily Standup completed during this time
- Update with Karl: showed progress on bike and weather data scrapers, confirmed working template for burndown and backlog charts.
- Bike and weather data scrapers sending info to database as normal.
- Currently working on having Google Maps show on the basic Flask application: more research on Flask required and being done during meeting time
- Burndown chart analysis: all work currently on schedule.