

REVIEW
SPRINT DAY 10 OF 10
21/02/2020

WHAT DID WE GET DONE

Set up data scrapers to collect data at fixed intervals

- Bike (dynamic), Bike (static), Weather (dynamic)

Set up the databases for each data scraper on RDS instance

- used MySQL to view the scraped data, accessed through Workbench

Scheduled dynamic scrapers with crontab to update tables:

- every 5 mins (bike dynamic)

- every hour (weather dynamic)

Bike static – explains coordinates of each station, name of station, stuff that doesn't change etc.

Set up basic flask application, integrated Google maps API into Flask

Created markers with static data for the Google map

Defined overall project architecture + wireframe

WHAT DID WE NOT GET DONE

We did not succeed in getting the static information for the google map showing in the Flask app

Sufficient Flask research: not yet fully comfortable with Flask and how it works

BURNDOWN/BACKLOG ANALYSIS

Behind on Burndown for first week: Lack of daily standups and overall lack of direction in project caused us to fall behind schedule at an early time

On average, the prediction for how many hours to spend on the project altogether during the first sprint was reasonably accurate, even though some tasks took longer or shorter than expected

During first week we had a rough idea we were going to allocate 30 hours to the first sprint, but we did not yet know which way most of those hours would be divided up

Overall project research was an idea at the beginning of the sprint, but research sections were soon split so that pieces of research were done for specific elements of the project, such as Flask and Weather APIs.

RETROSPECTIVE
SPRINT DAY 10 OF 10
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WHAT WORKED

Organisation in the second week: we brought the burndown rate back to an acceptable level through better organisation and more hours contributed to the project overall.

Trello and Slack: great for organisation

Github compatability: everybody comfortable with pushing and pulling files to and from a shared github repository devoted to the project

Meetings with Product owner (Karl) in the second week worked for helping us with project management and set us up for meeting deadlines.

WHAT DIDN'T WORK

Some of our predictions regarding how long certain things were going to take: some took longer than required, some shorter (i.e. setting up the basic Flask application took much less time than predicted, but further research and adding extra functionality is taking a long time and is not yet complete

Organisation and coherent teamwork during the first week: we met at practical times but did not conduct daily standups; this contributed to delay in work and falling behind in hours overall by the end of the first half of the sprint

HIGH-LEVEL PLAN FOR NEXT SPRINT

Get google map working properly

Adding to the flask frame

Begin creating interface for weather

Get what is showing on the dynamic weatherframe (current weather) showing up (Get database linked up with the numbers (latitude and longitude))

Get map parkers linked up with the database positions)

Get basic application running.