



SENG3011 T1 2021

**Management Information**

Team: Kool Kats

Mentor: Mirette Saleh

Team members:

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# Project Management

## Project Plan

We plan on using Microsoft Teams for communication and meetings as well as Trello for project management as seen in Figure 1. We have chosen these tools as members within the group are familiar with them and have found them to be easy to use and effective in the past. We have assigned team member responsibilities as seen in the table below. We have assigned one or two members to be responsible for each component of the project, however we feel that all members can contribute to each component. We have used the skills and personal preferences of each team member when assigning responsibilities. When there is no SENG3011 lecture allocated, we have allocated that time for team meetings as most team members are free during this time. We also plan to meet before/after the tutorial meeting depending on team member availability.

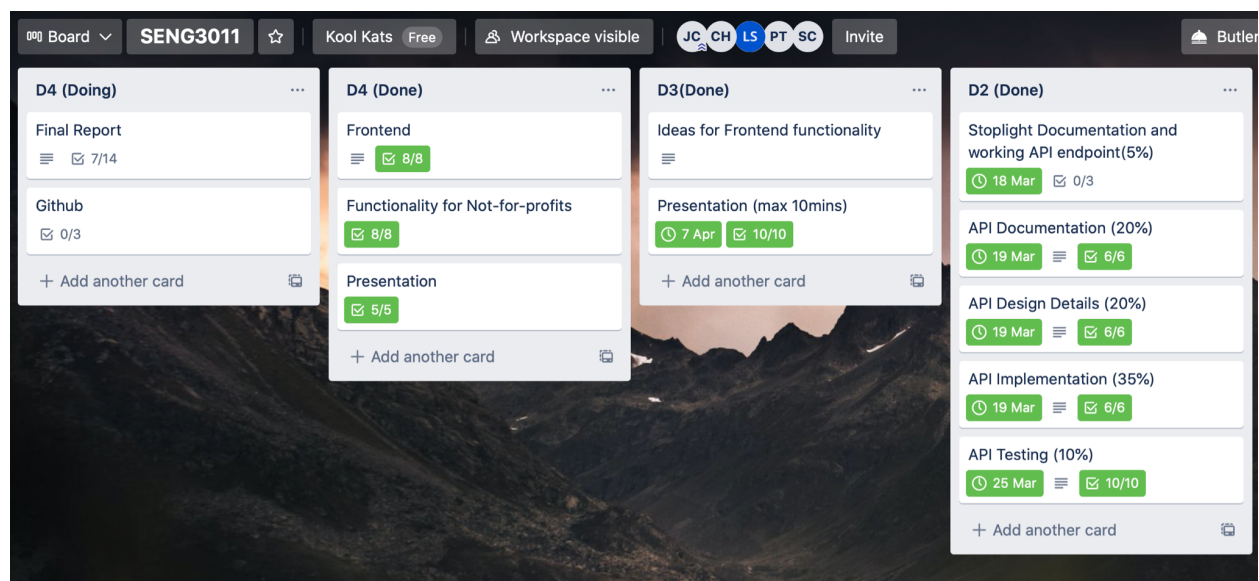


Figure 1 - Group Trello Board

## Team member responsibilities

	Report	API Docs	API Testing	API Development	DB Management	Web Scraping	Frontend
Peri T	✓		✓	✓	✓		✓
Joanne C	✓	✓	✓				✓
Lachlan S	✓		✓	✓		✓	✓
Catherine H	✓		✓				✓
Stephen C	✓		✓	✓		✓	✓

## Project schedule

### Project deadlines

Week 3 - D1 (Initial api design, project management plan)

Week 4 - Initial architecture setup, Web scraping, api documentation, api implementation

Week 5 - D2 (API Documentation, API development)

Week 6 - Frontend design, integrate other group's APIs

Week 7 - Frontend implementation

Week 8 - D3 (Project prototype demo)

Week 9 - More frontend, report

Week 10 - D4 (Final demo, final report)

## Gantt Chart

SENG - 3011										
Task #	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Task #	Task
1	D1 (Initial api design, project management plan)
2	Initial architecture setup
3	Web scraping
4	API documentation
5	API implementation
6	D2 (API Documentation, API development)
7	Frontend design
8	Integrate other group's APIs
9	Frontend implementation
10	D3 (Project prototype demo)
11	Improve Frontend
12	D4 (Final Report)

Key	
Green	In Progress
Red	Due Date

# Project Reflection

## Major Achievements

- Incorporating 4 APIs into our application including our own, other SENG teams and
- Dynamic graphs/charts in our web application
- Good feedback on improvement from the 2 demonstrations/deliverables

## Issues/Challenges encountered

- Talking to other groups about their APIs
- Encountering bugs with our frontend and backend
- Group communication
- Finding a good time to meet for each team member was hard initially.
- Setting up AWS to host website was challenging

## Skills we wished we had

- Better at Web scraping
- Knowing how to set up an API server. Setting up the AWS server was difficult, we found it hard to do in AWS. We had to familiarise ourselves with tools that we did not know about, like uWSGI and nGINX
- We started this project with no experience creating API endpoints so we feel it would have been better if we had some more experience.

## Looking back

Looking back we think we should have organised better at the beginning. This would have saved us lots of time later on in the term when we had lots to do.

We could have also started ideating our web application earlier. That way we would've had more time to work on our product and could've got more functionalities working.

## Overall

Overall, the project went great and we achieved a lot. Most members had experience using APIs and found it interesting to be on the other side by creating the API. We also enjoyed the process of learning how to integrate different APIs into our application.