Management Information

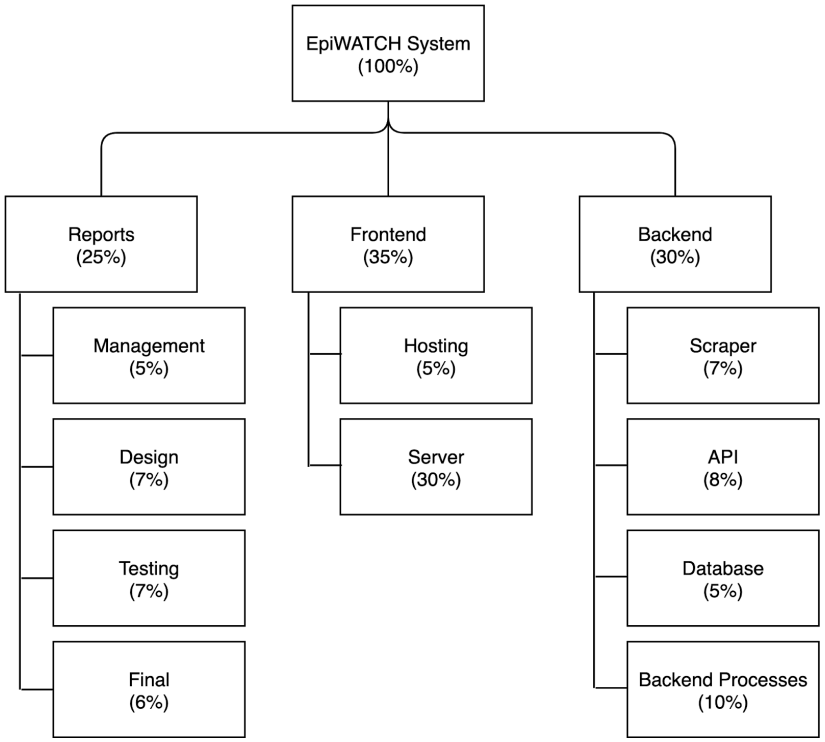
SIXTYHWW SENG3011 Report

Nikil Singh (z5209322)
Joshua Murray (z5207668)
Tim Thacker (z5115699)
Daniel Ferraro (z5204902)

Project Plan:

Steps (Displays up till phase 1)	Status
1. Schedule a group meeting to discuss the specification.	Done
2. Determine software tools and methods of communication between members.	Done
3. Determine data sources and basic technology stack.	Done
4. Allocate tasks to each member, and begin work on reports.	Done
5. Implement a scraper for the allocated data source.	Ongoing
6. Develop a database for storing the data.	Ongoing
7. Work on the report for management.	Ongoing
8. Work on the report for technical specifications.	Ongoing
9. Work on the report for testing.	Ongoing
10. Work on the final report.	To Do
11. Develop server and API endpoints.	Ongoing
12. Host the API online.	Ongoing
13. Develop Frontend	To Do
14. Develop Login System	To Do
15. Develop custom feed for frontend.	To Do
16. Develop a live map of outbreak locations.	To Do
17. Stylise the frontend.	To Do

Work Breakdown Structure



Team Member Responsibilities:

Joshua Murray: Scraper

The scraper involves parsing web pages and collecting articles from them. Scraper then parses that information into JSON Objects.

Nikil Singh: Database, Login System

Database involves setting up the schema, and basic queries for inserting and collecting data. The login system involves the backend portion of allowing users to login.

Tim Thacker: The API Server:

Writing all the API endpoints and the logic behind them to get the data from the database.

Daniel Ferraro: Frontend, Deployment

Frontend involves developing the actual website and displaying the required information on it. Deployment involves setting up the API and eventually Website onto a server.

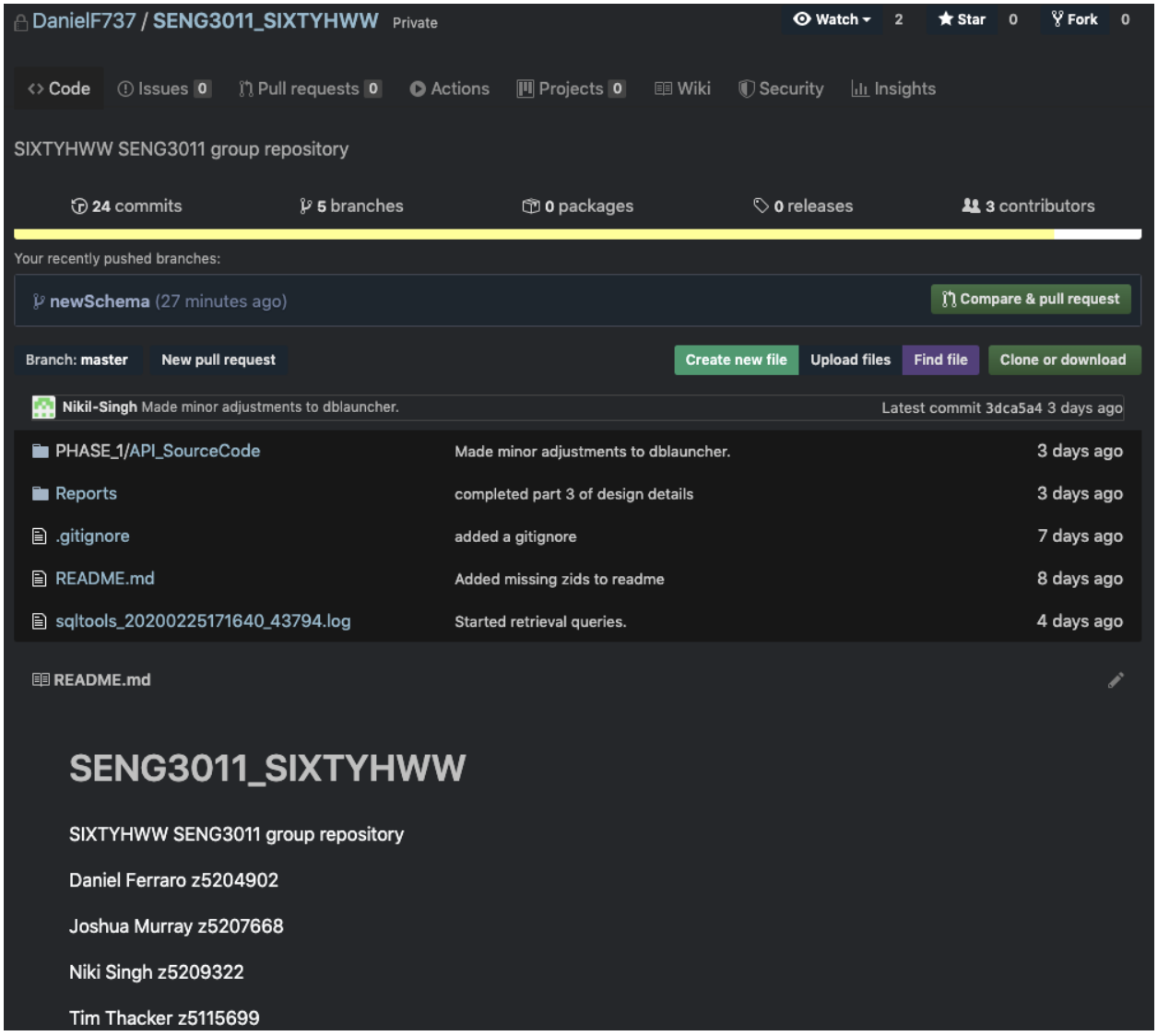
Gantt Chart


Timeline
Activity
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9
Week 10
Reports
Management
Design
Testing
Final
Backend
Scraper
API
Backend Processes
Database
Frontend
Website
Hosting

Software Tools Used:

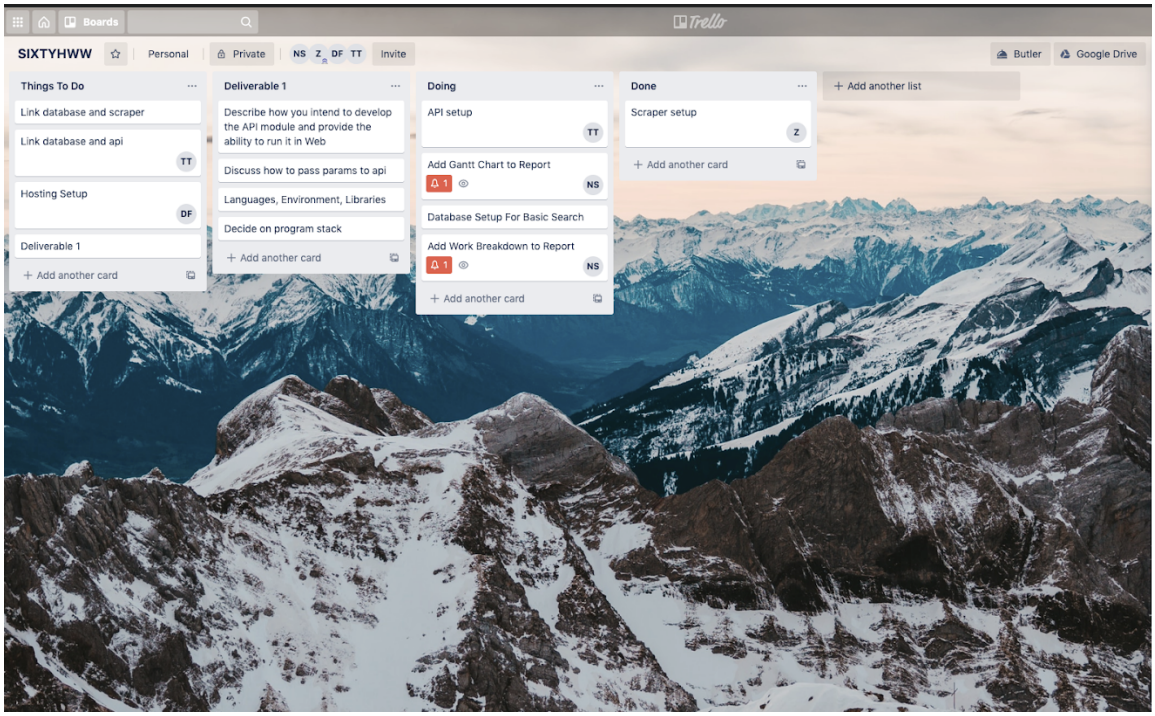
GITHUB: Used to hold a repository of the source code. Acts as a version control for all iterations of the software. Was chosen as all members of the group were familiar with the service and since it is also the industry standard. Furthermore, the version control system and branches allow for multiple iterations of the API.

An example of the use of GITHUB.



Trello: Used to organise tasks to accomplish. Essentially a ticker system that shows which members of the group are doing what task. Was beneficial in allocating tasks, organising efforts towards the tasks and keeping on schedule for completing the tasks.

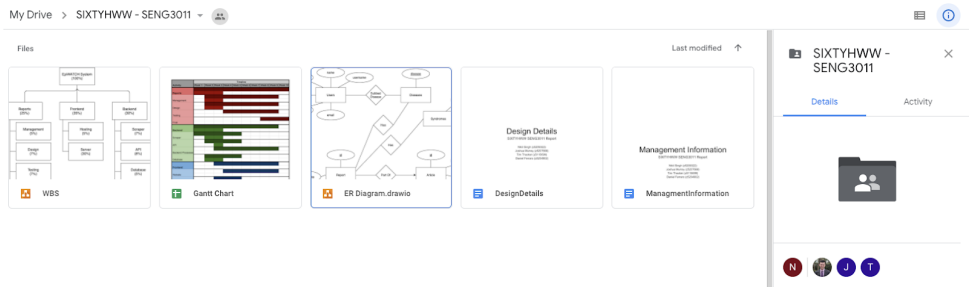
An example of the use of Trello.



Facebook Messenger: Used to communicate amongst members and organise meetings. Additionally, ideas and decisions are made on the platform as the members can quickly respond from anywhere.

Google Drive: Specifically for Google Docs, it allows for collaborative work on reports as multiple people can simultaneously edit the documents. Furthermore, comments can be made on specific portions of the document where other members can resolve those issues. Additionally, project ideas and concepts can be constructed there. We can also store multiple files within this folder, all of which can be edited by all members simultaneously.

An example of the use of Google Drive.



Draw.io: Used to draw diagrams that demonstrate the design and structure of the API. In this case it was used to draw an ER diagram that highlights the databases schema.