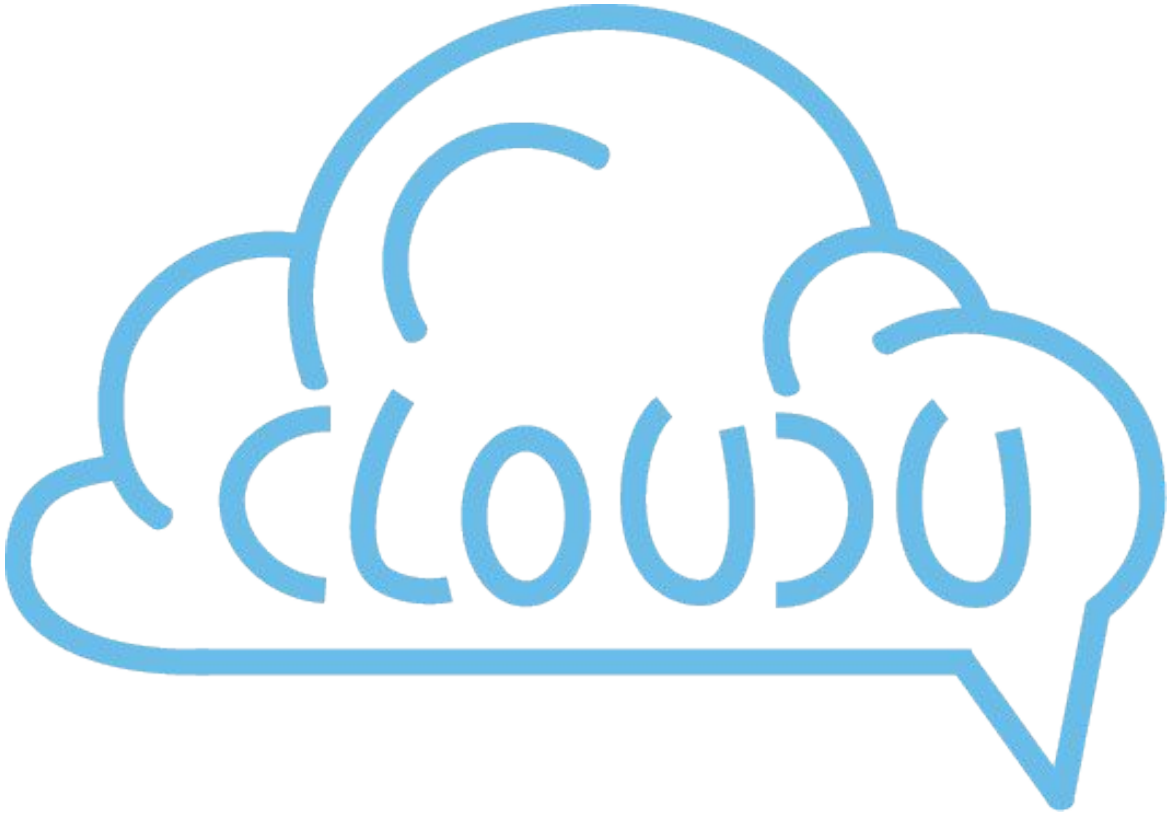
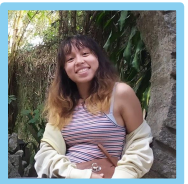

cloud

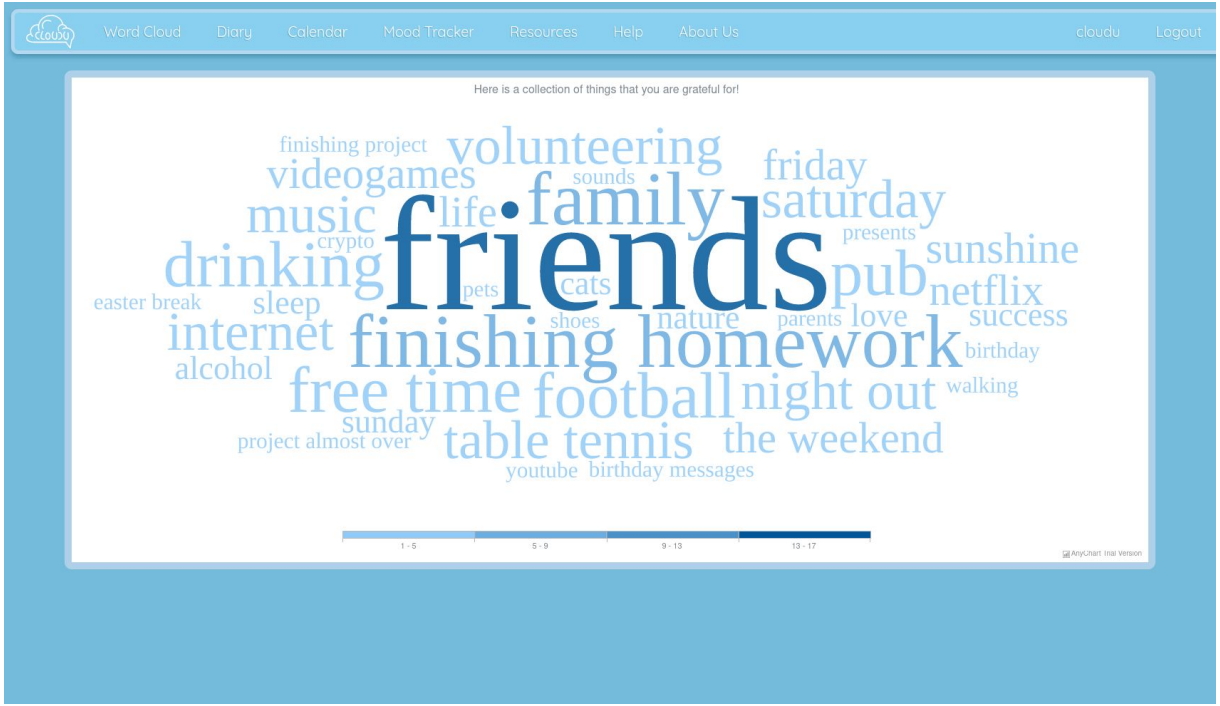
What does it do?



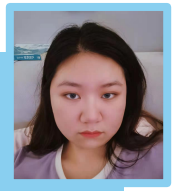
Link: CloudU

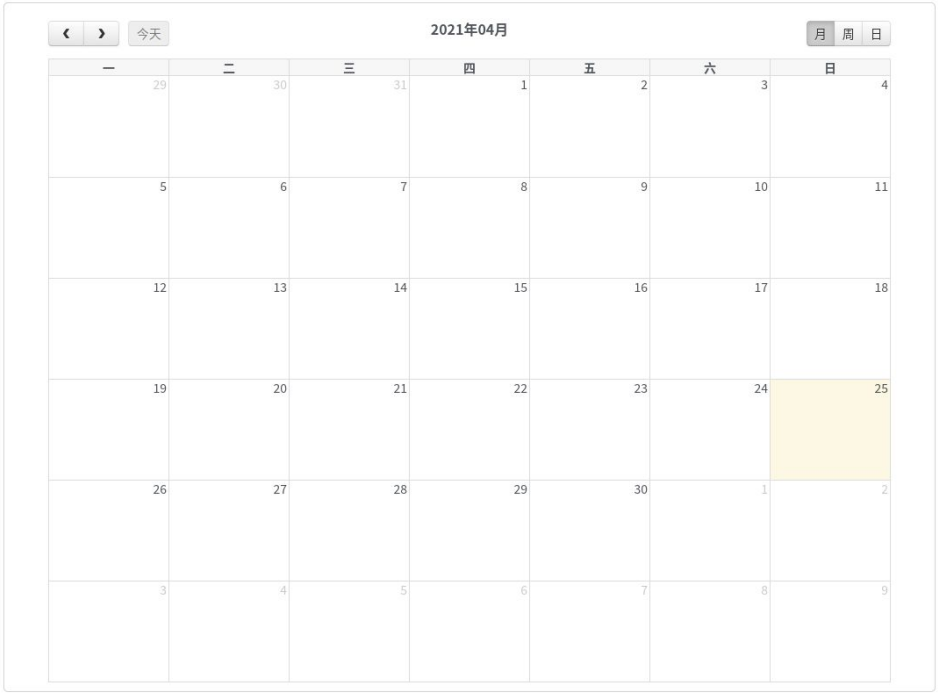
How does it work? (live showcase)

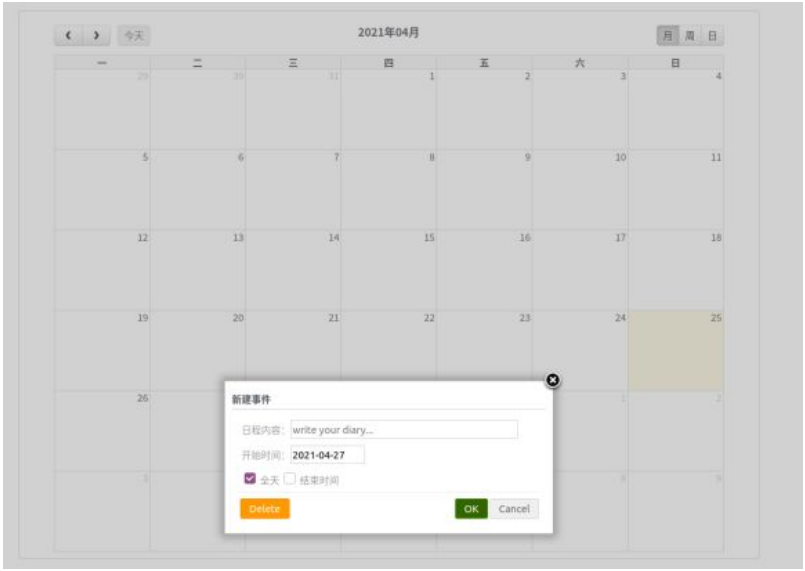
We'll explain how it works, how we've built it during our project showcase, exploring what tools we used and what important decisions all in this showcase



Calendar prototype (removed)

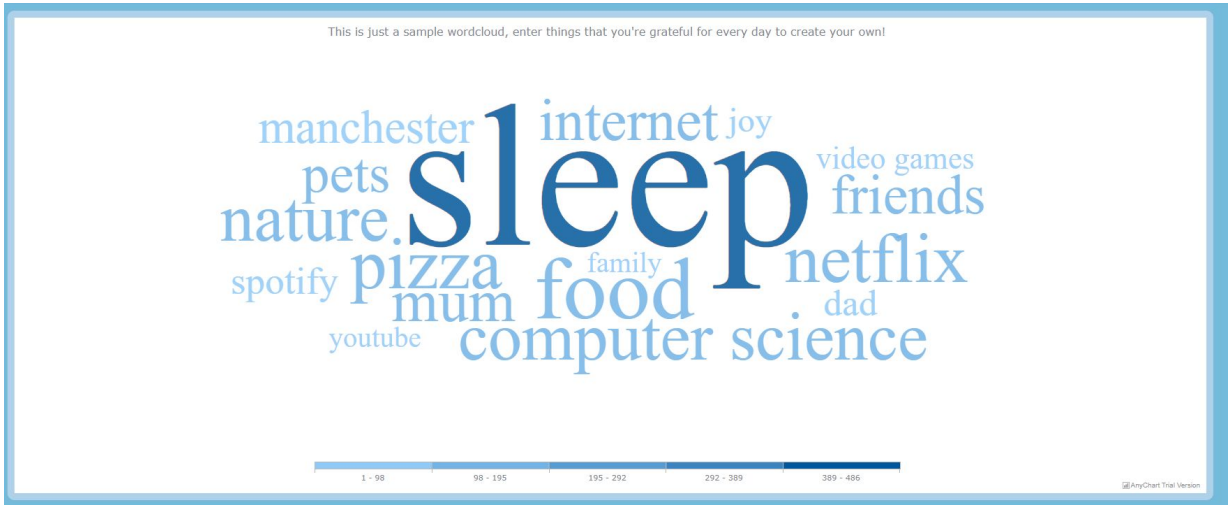






Sample wordcloud (live showcase)

There is a sample wordcloud that shows up for new users with no inputs.

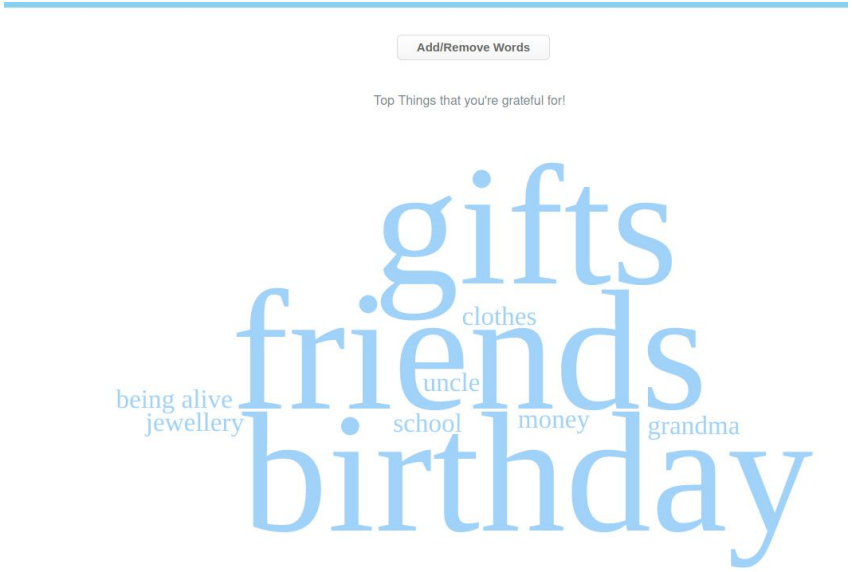


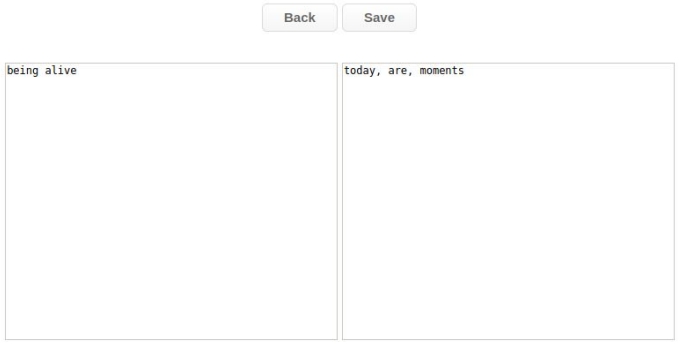
Word filtering algorithm (removed)

- Collects and filters nouns/noun phrases from a sentence input

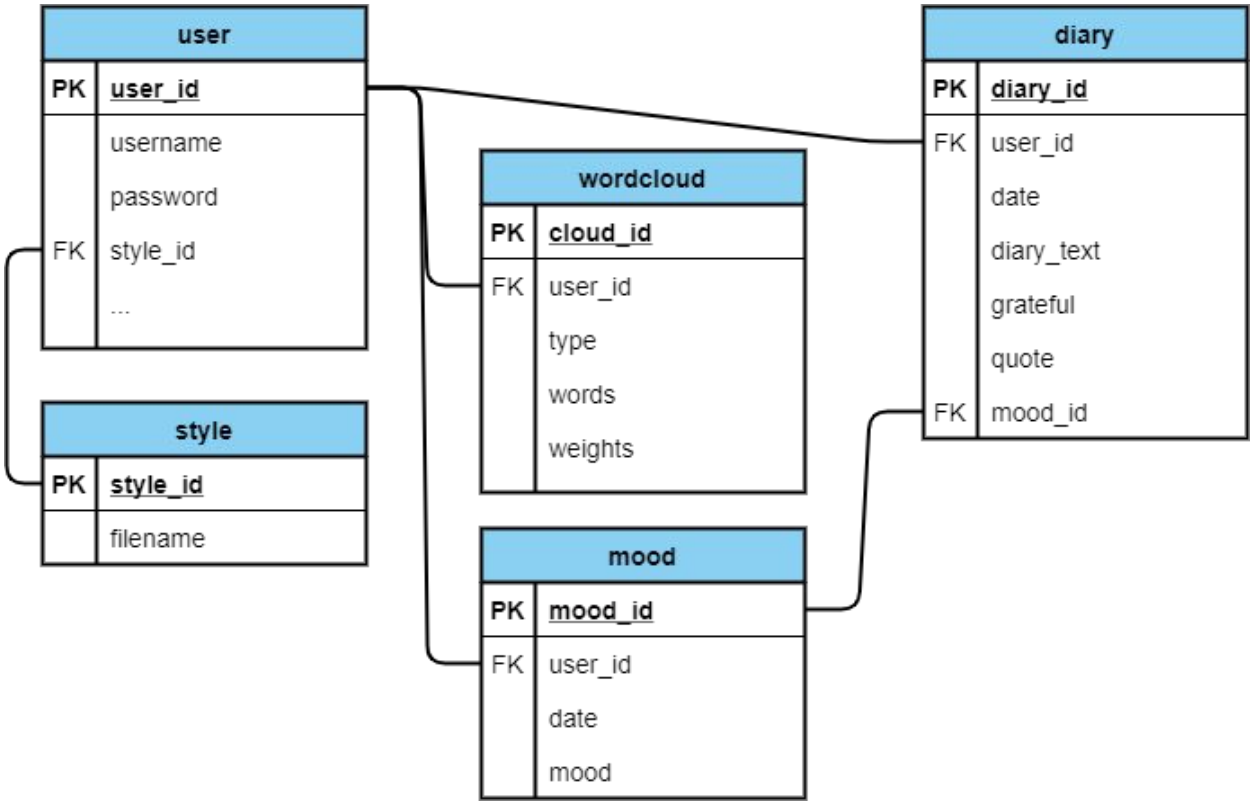
```
// retrieve words that are singular nouns or plural nouns
for (i in taggedWords) {
    var taggedWord = taggedWords[i];
    if (taggedWord[1] == "NN" || taggedWord[1] == "NNS"){
        filteredWords.push(taggedWord[0])
    }
}
```

ADD/REMOVE CUSTOM WORDS (REMOVED)

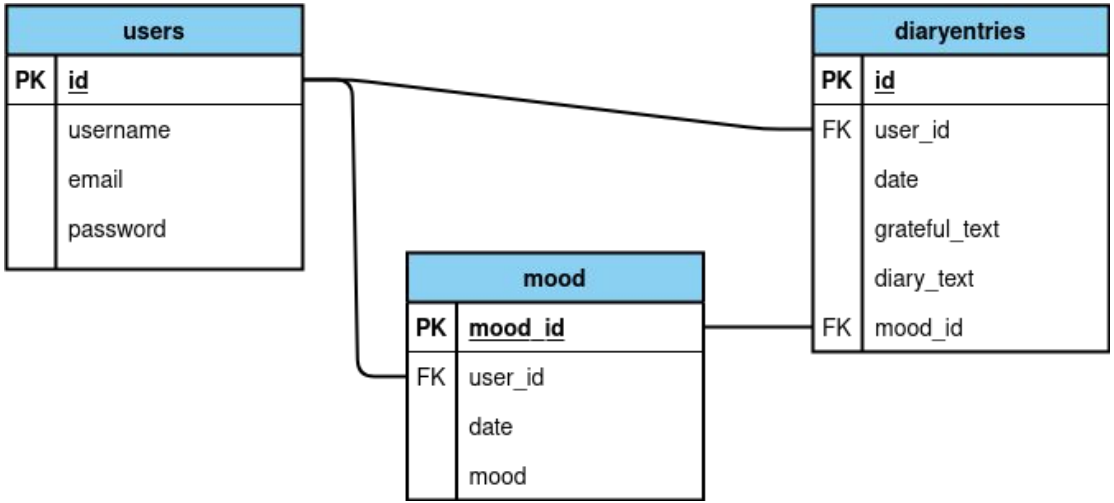




Structure of Database



Structure of Database



Tools and techniques (in general)

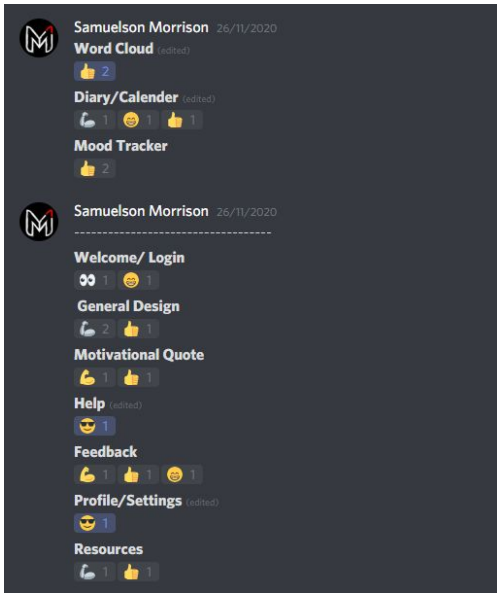
- GitLab - 1-2 people worked on a branch whilst developing main features. Merged together once complete.
- Discord - group calls whilst working, sending messages/ files, screen sharing.
- Text Editors - personal preference.
- MySQL - for the database.
- Local Testing - using apache, and personal databases.

VS code

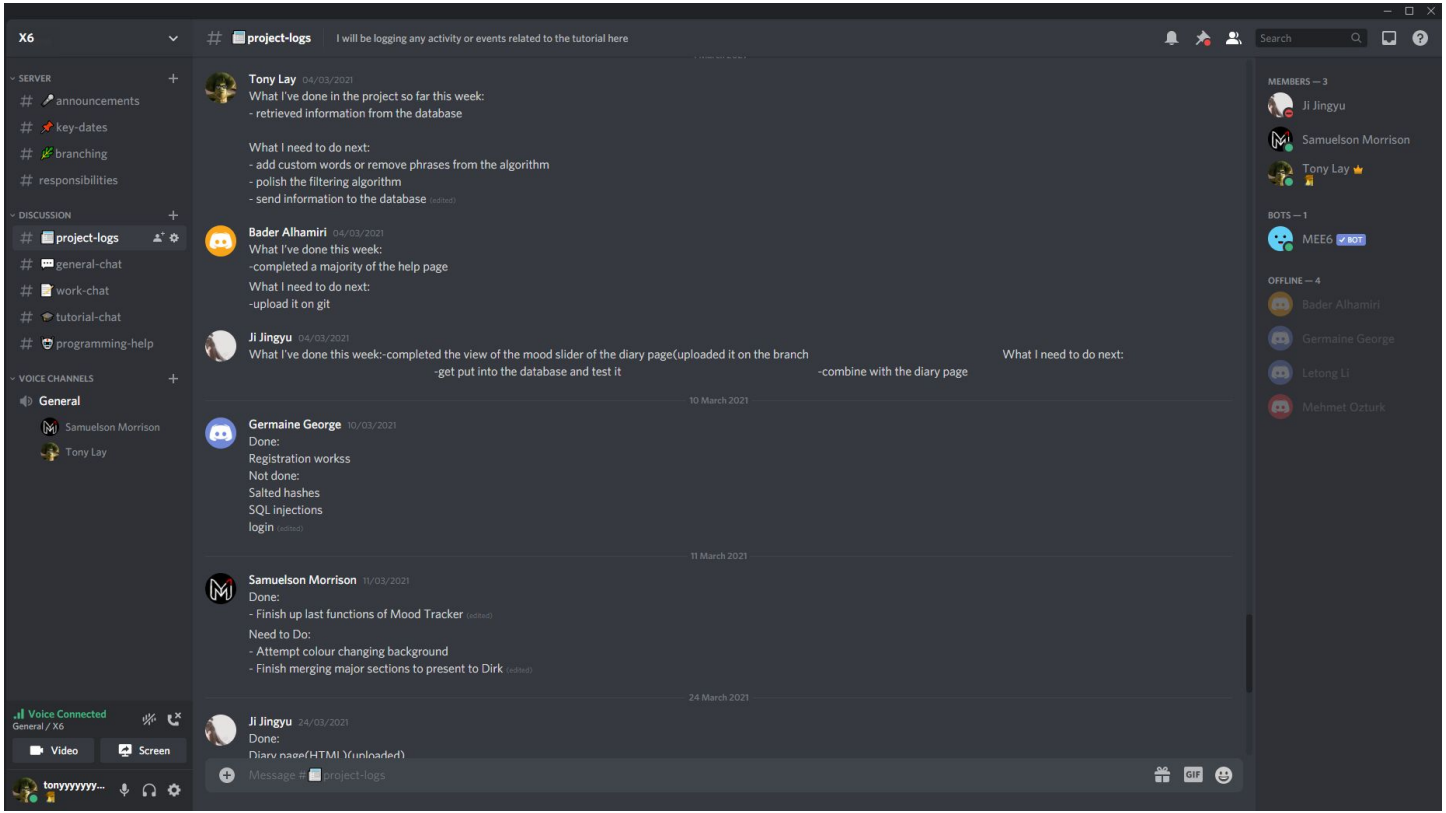
Sublime text

How did we work as a team to make the project?

- Weekly meetings + Live discussions
- Discord Server (instead of Zoom, Skype etc)
- Project log
- Voting on tasks
- Gitlab branches



Using discord as main communications



Using gitlab as initial communications (dropped)

GitLab Projects Groups Activity Milestones Snippets Search or jump to...

first_group_project

Samuel Morris › first_group_project › Issue Boards

Project
Repository
Issues 22
List
Board
Labels
Milestones
Merge Requests 0
Wiki
Snippets
Settings
Collapse sidebar

Search or filter results... Add list Add issues

Word Cloud 2

- Connecting the word cloud to the database — Word Cloud — #18
- Producing a basic layout for the word cloud webpage — Word Cloud — #13

Diary and Calendar 6

- Inputs — Diary and Calendar — #19
- Slider — Diary and Calendar — #20
- Database connection — Diary and Calendar — #21
- Calendar API? Library? — Diary and Calendar — #22
- Calendar link to the diary — Diary and Calendar — #23
- Calendar colours — Diary and Calendar — #24

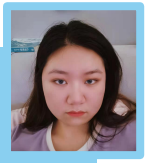
Mood Tracker 1

- Database connection — Mood Tracker — #17

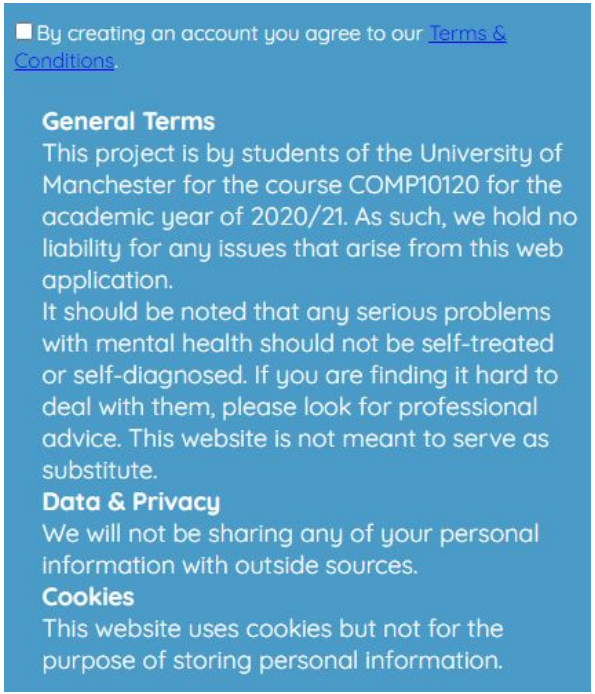
Needa be done 5

- diary styling — Needa be done — #29
- calendar — Needa be done — #28
- resources — Needa be done — #27
- profile — Needa be done — #26
- Help — Needa be done — #25

Ethics & Legalities

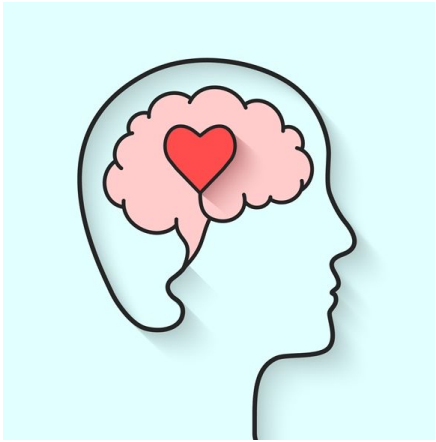


- Terms and Conditions
- Provided links to professional mental health resources.
- Used salted hashes on passwords
- Database access restricted to team members
- Protection from SQL injections for all text inputs
- Any API's or libraries used were researched and credited



External Resources

- None of us have a professional background in psychology.
- Can not provide in-depth help.
- Further help requires correct and reliable resources.
- External websites researched extensively.
- A government funded health service or a professional community



Design

- Blue, baby blue and white
- Colors associated with mood
- Extreme attention to detail
- Font: Quicksand
- Pleasing and calming

What would we do differently? (technical)

- Look into a different backend instead of PHP (Node.js)
- Use a bootstrap
  - to provide a better looking UI
  - a lot faster as well
- Make better use of GitLab's 'issues' section, to divide and show tasks.
- Deadlines and reminders

What would we do differently?

- Fixed meeting days and time.
- Different time zones caused us a few setbacks.
- We store the user's email but make no use of it which breaks General Data Protection Regulation (GDPR)
  - intended to validate the email
  - allow the user to reset their password if they forgot it
- Explain the use of each part of the users’ data

That concludes our talk!