

Auxilium

Y9 - Group Presentation



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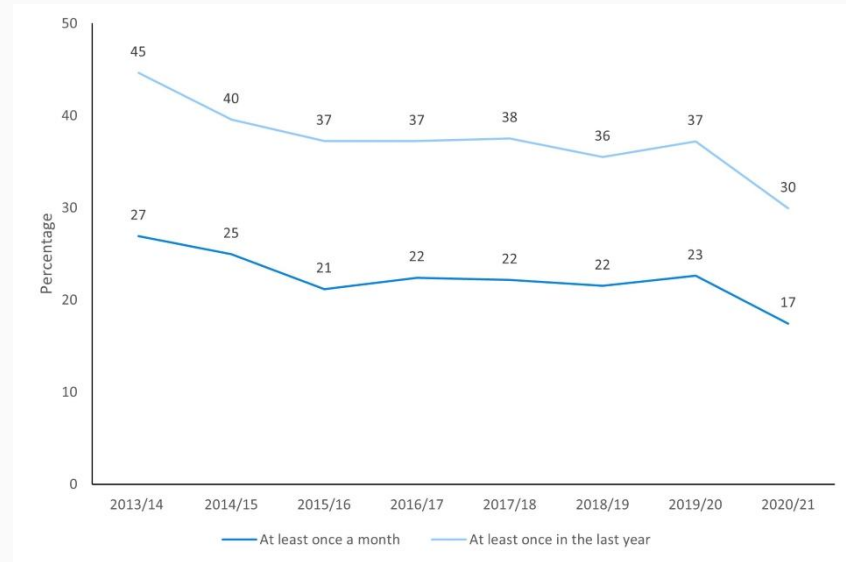
Overview

- Introducing the Idea
- Ethical Framework
- Different users, pages, navigation and interactions between them
- Databases
- Technology and requirements of code
- Gantt Chart
- Minimum Viable Product

Problem

17%

Percentage of the population taking part in volunteering at least once a month



[1]

Participation in formal volunteering, 2013/14 – 2020/21

Solution



Website to connect
volunteers with
charitable
organisations



Volunteering
opportunities with
various charities

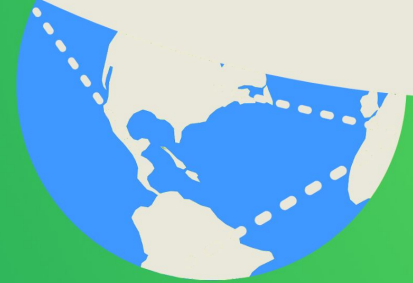


Making
volunteering more
accessible

Group Poster



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Do better. Be better.

Ethical Considerations

- What data should we store about volunteers and volunteering organisations?
- How do we verify the different charitable organisations?
- Accessibility Concerns
- How have we considered them in our design?

What data should we store?

- To limit the amount of data we have to store about the user, we simply connect volunteers to volunteering organisations
- In our minimal viable product, we only store data about the organisations
- This means we do not store data about users



How do we verify charitable organisations?

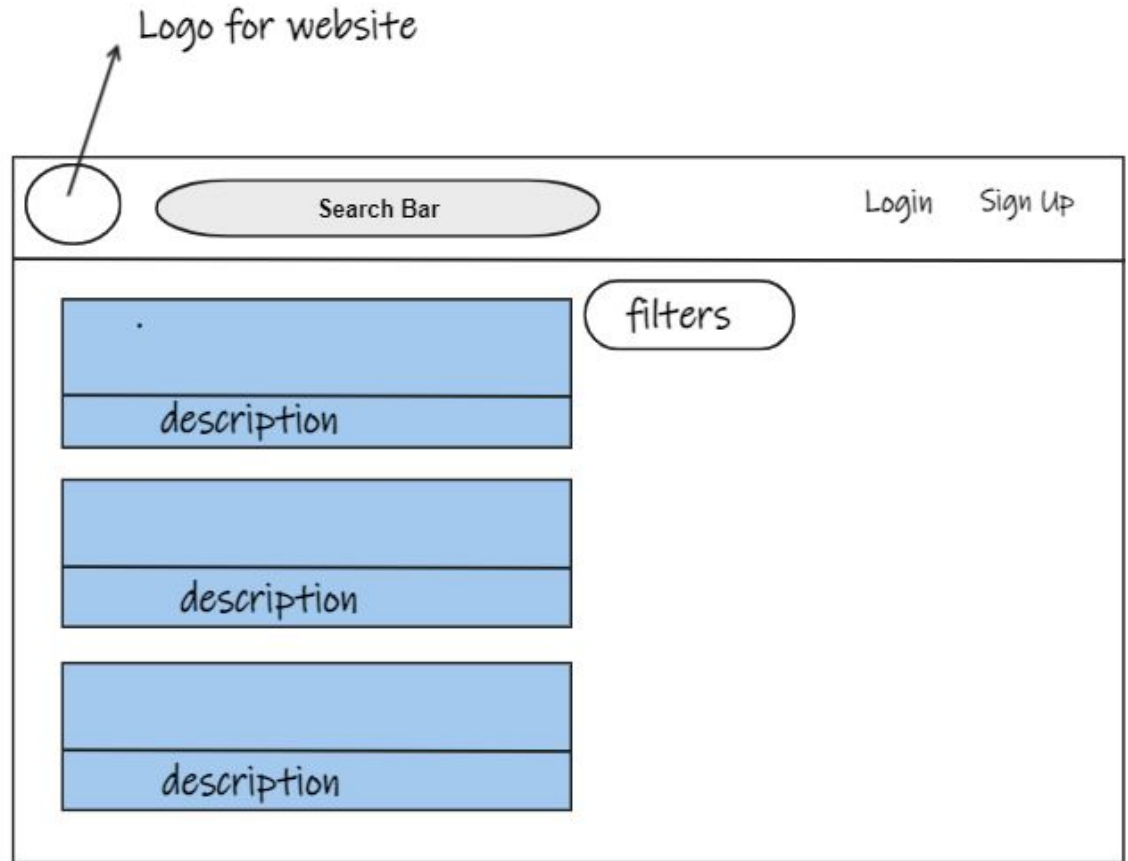
- Charities registered with GOV.uk can apply for verified status. This highlights them to users as a registered organisation
- However, it is not necessary for an organisation on our website to register
- This is because we do not want to prevent smaller community groups from using our site



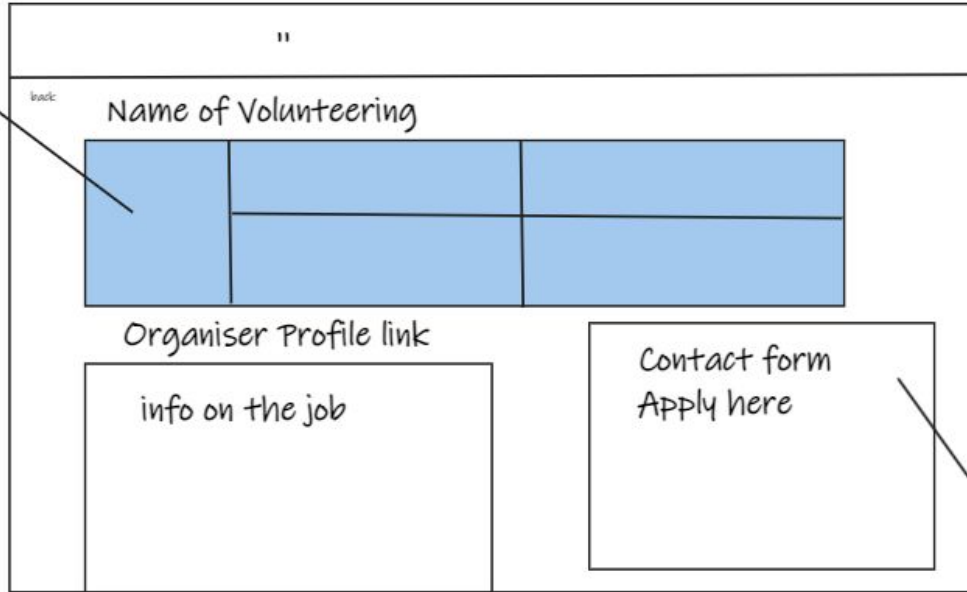
Accessibility Concerns

- Yellow overlay for those with dyslexia
- Text Resizing
- Colour themes for the colour-blind

Page Navigation

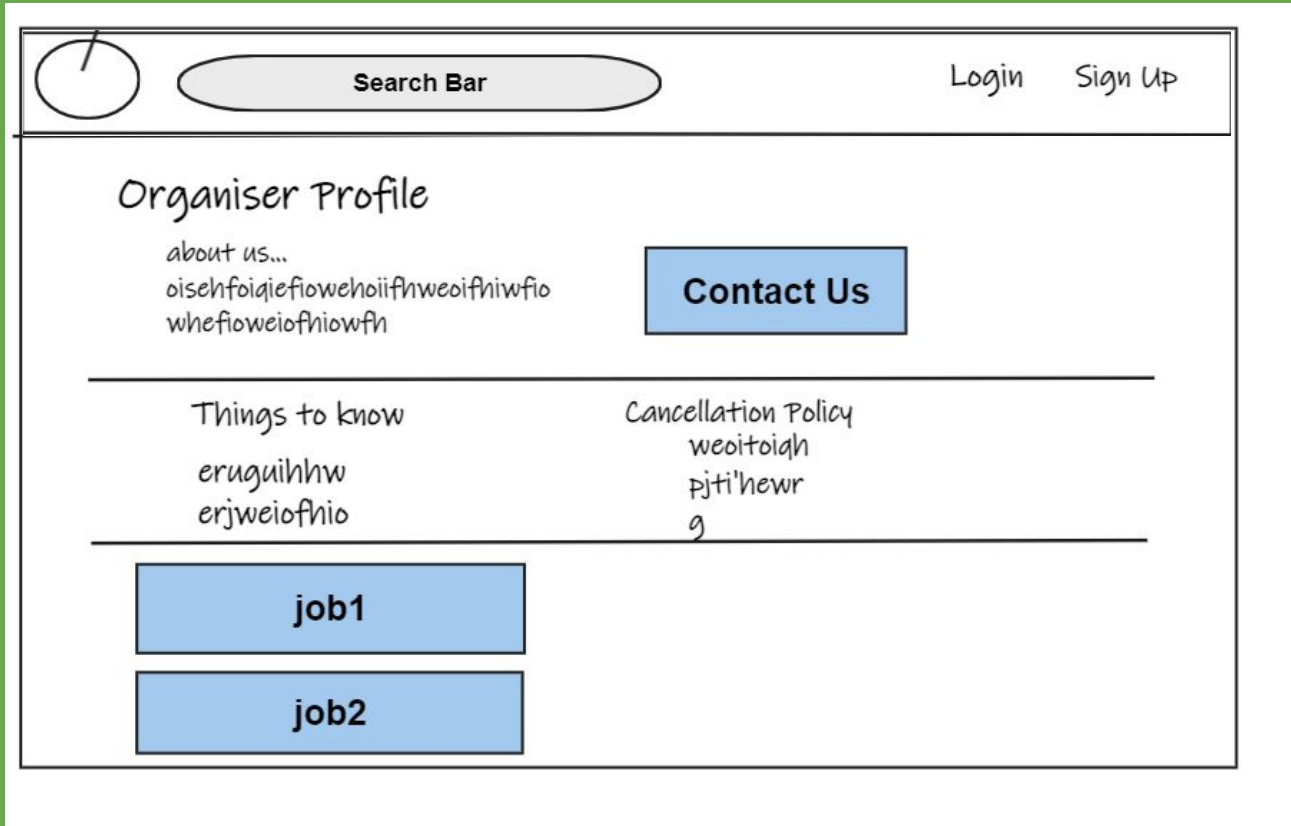


Images




Static, so the info on the job can be scrolled but this remains constant

User Experience



 [Login](#) [Sign Up](#)

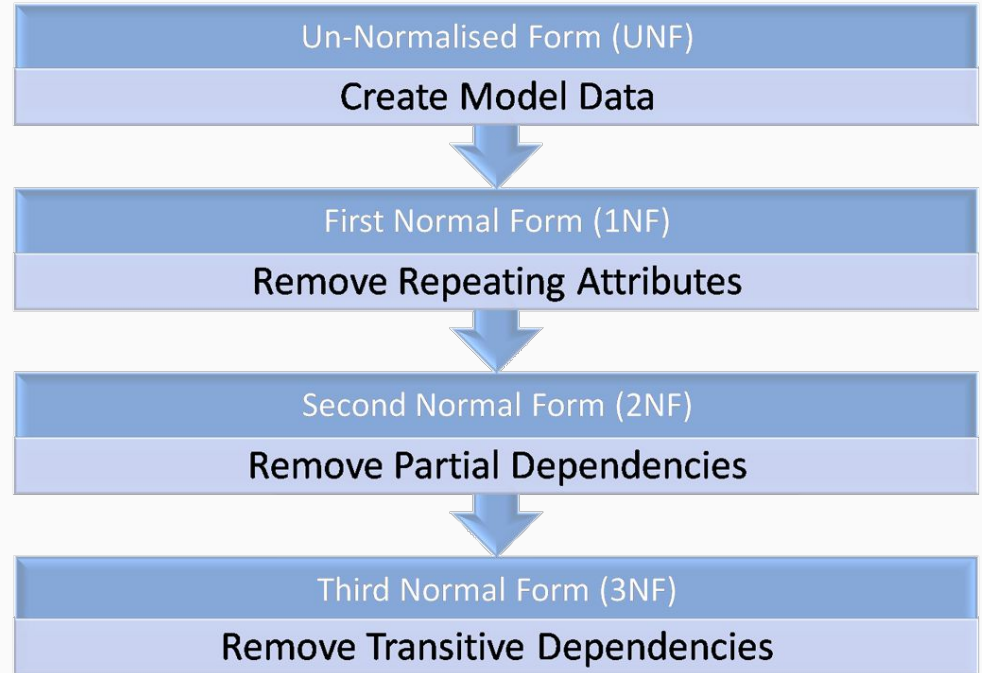
[forgot password?](#)

 [Login](#) [Sign Up](#)

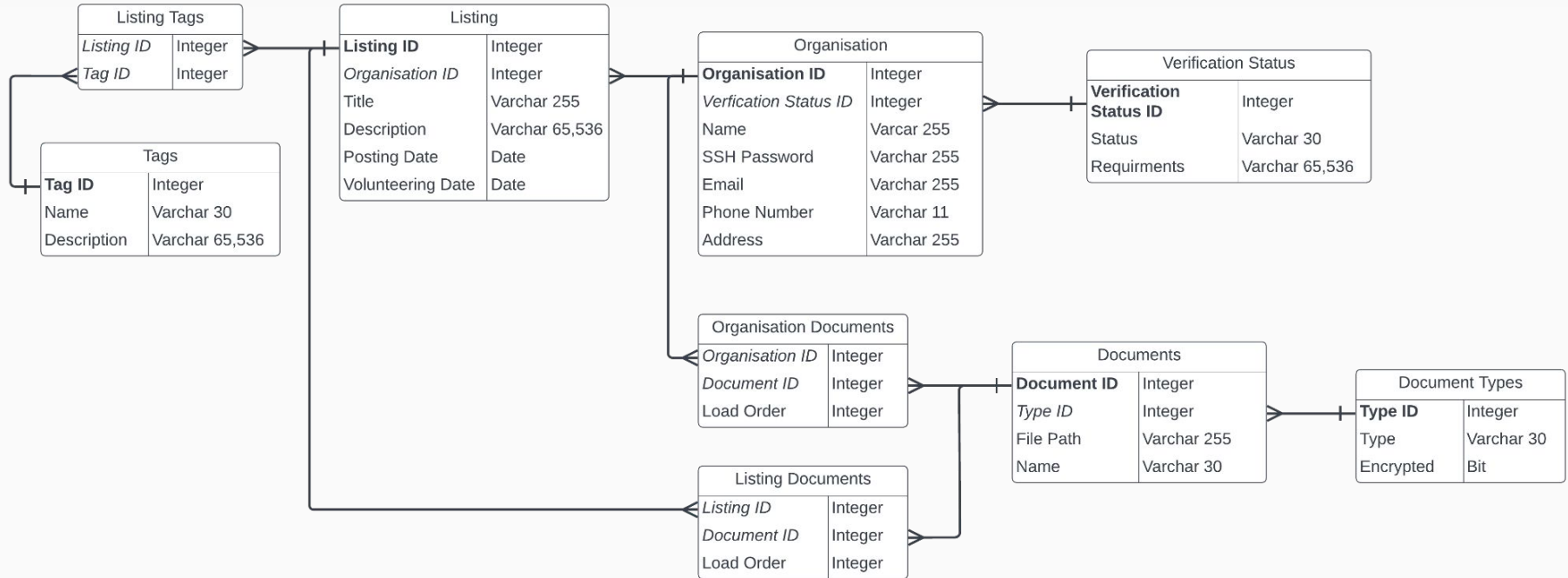
Create Your account
Today!

Database - Design Principles

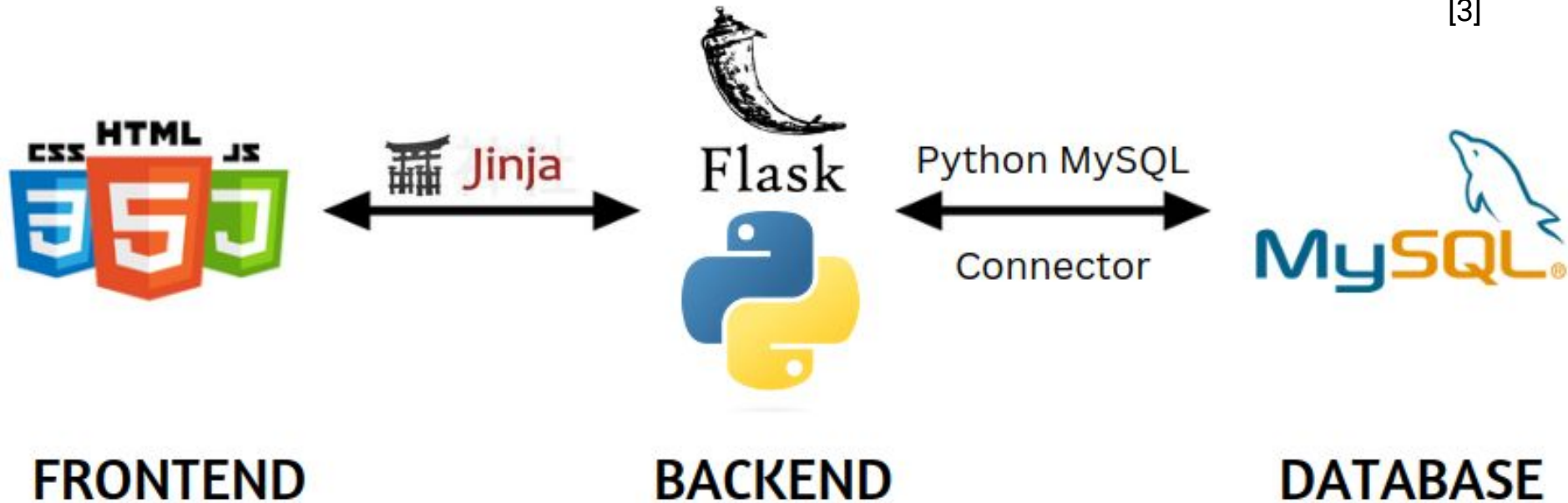
- SQL
 - Select
 - Update
 - Insert
 - Delete
- Normalisation
 - Third Normal Form
- Client Server Database
 - Serialisation



Database - Entity Relationship Diagram



Technologies and Modules

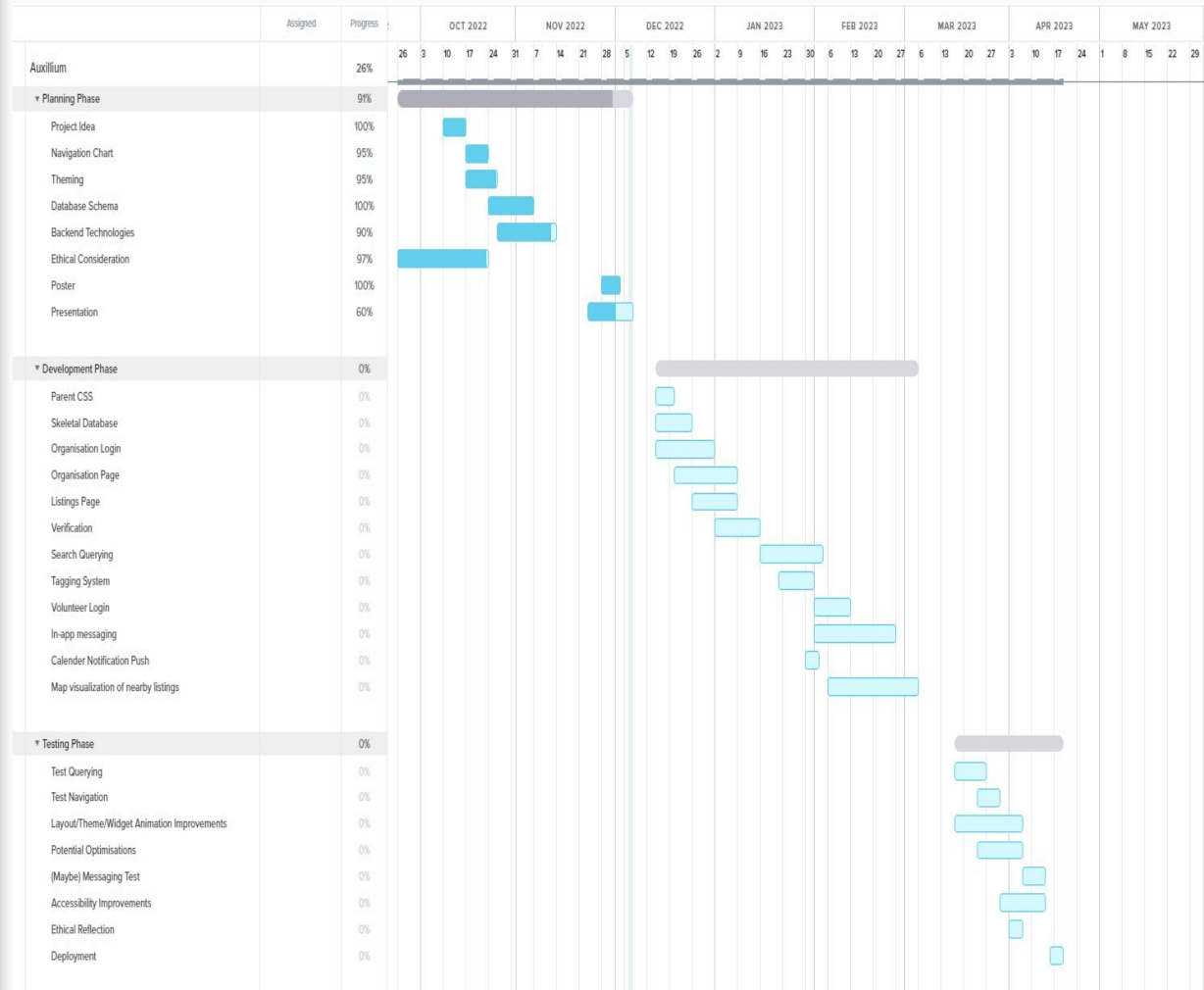


APIs and Modules

- Flask - Python module to serve websites
- MySQL Connector - Python module to connect to MySQL Databases
- Hashlib - Python Module to hash passwords
- Googlemaps - Python module to display maps and calculate distances
- SMTPlib - Python module to send emails

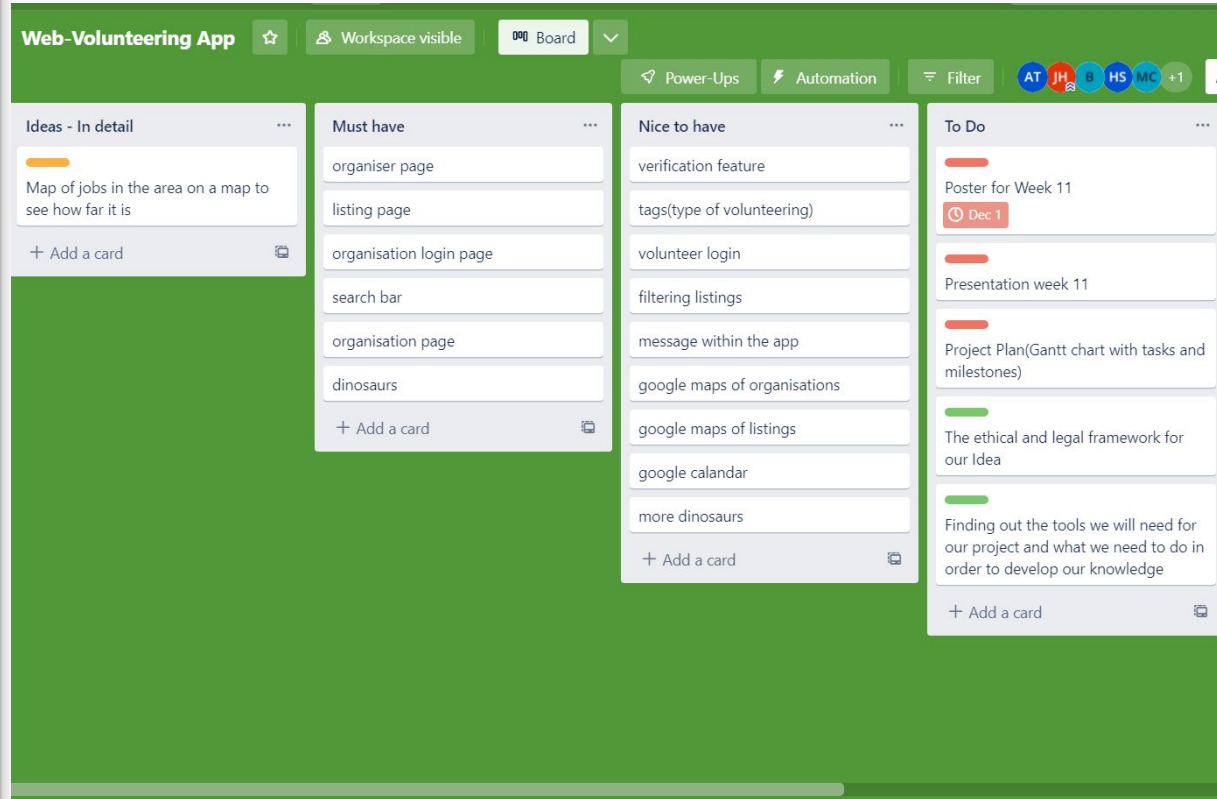
Gantt Chart

This shows the group's Gantt Chart outlining our broad deadlines, and their completion status



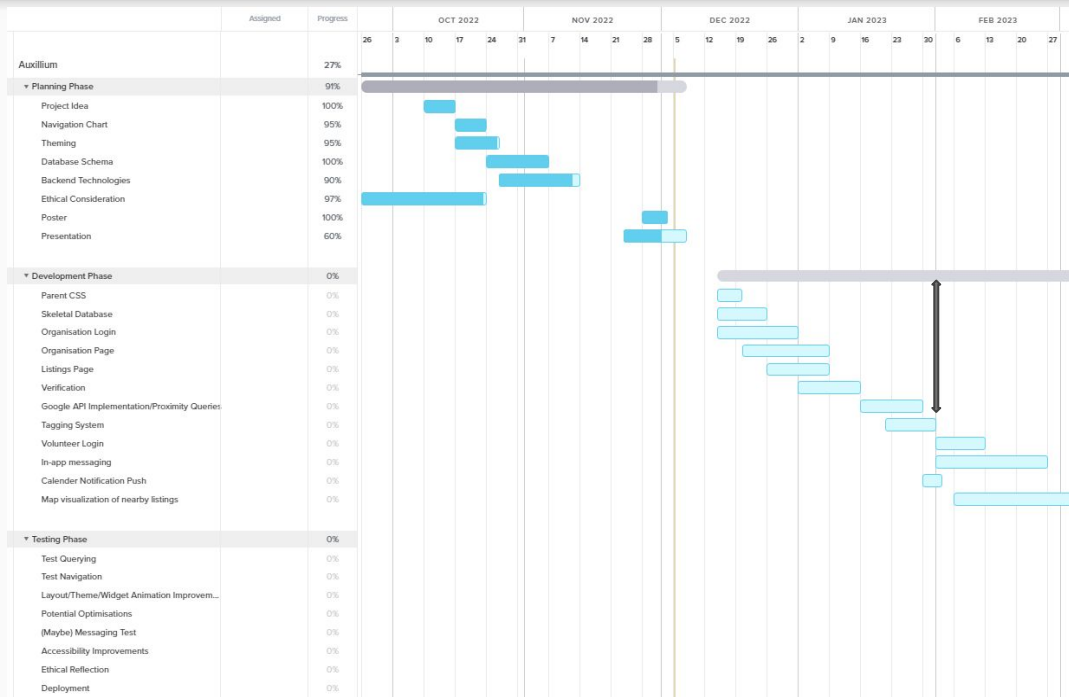
Trello Board

Here we have our Trello board, which we use to more explicitly define our tasks, stating urgencies, and splitting tasks based on importance.



Minimal Viable Product

- A page for organisations
- A page for listings
- An page for organisations to log in
- Search Querying by:
 - Proximity
 - Job Type
 - Organisation
 - Listing Title



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**Thank you for
Listening!**

Any Questions?



References

- [1] - <https://www.gov.uk/government/statistics/community-life-survey-202021-volunteering-and-charitable-giving/volunteering-and-charitable-giving-community-life-survey-202021>
- [2] - [data-privacy_318-32777.jpg \(626×626\) \(freepik.com\)](#)
- [3] - <http://p92.com/binaries/content/gallery/p92website/technologies/htmlcssjs-overview.png>
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<https://upload.wikimedia.org/wikipedia/commons/thumb/c/c3/Python-logo-notext.svg/800px-Python-logo-notext.svg.png>
- [4] - <https://www.gov.uk/government/statistics/community-life-survey-202021-volunteering-and-charitable-giving/volunteering-and-charitable-giving-community-life-survey-202021>
- [5] - [Standard Query Language \(opengrass.net\)](#)