



Access collective

Meeting 1 - Getting Started by David



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Motivation

1

Employment opportunities by our supporters and sponsors

(Rio Tinto, UWA IQ, Anglicare, Illuminance)

2

Better understanding of software

3

Improving lives of disadvantaged people by helping them find services to aid them.

4

Improve your group work skills



Context

- Coders for Causes helps student developers and charities [here](#)
- Access Department helps people with disabilities [here](#)
- Taking over an existing project [here](#)





Introduce yourselves :)

I am David, I taught myself programming

Ex engineer at startup

Taking a break atm and just doing uni

The background image is a photograph of a modern architectural interior. It features a large, curved, ribbed ceiling that dominates the left side of the frame. To the right, a glass-walled staircase or walkway is visible, with several people walking on it. The overall lighting is warm and yellowish, creating a dramatic and modern atmosphere.

The project



How project will be run

- Weekly Meetings (Not required)
 - I will go over topics that are beneficial to the team
- Welcome to come in anytime, I will be in after 4pm



Project Requirements

- Turn [this](#) into an interactive web app
- Project deadline [30th July](#)
- Free to do what you want
- Project guide hosted [here](#)



Work Flow

1

Create your branch

3

Create a pull request on Github

2

- Make your changes
- Commit your changes

4

Code reviewed before being merged into master branch



Software for project





Please Install this stuff if following the Github Project

- Slack - An app designed for work communication (e.g. Messenger for work)
- Node + NPM - Runs the web app
- Git - Helps with code sharing and collaboration
- IDE - vscode recommended



Key Concepts



Why web development?

- Most jobs in software (You will probably have to deal with it sometime in your career)
- Allows you to build software that's accessible on any platform
- Largest community
 - Best support
 - Best guides
 - Better software





How to develop web apps

- All web apps (websites) you see are composed of HTML/CSS/JS
 - Fundamental languages of the web everything else is made from these languages
 - Browsers render code written in these languages to form a website
- Write HTML/CSS/JS in a text document and save it with .html then open it with your browser and you will have created a website





Why three languages for web?

- HTML for structuring your website
- CSS for styling your website
- JS to make your website interactive
- These features could have been combined into one language but this helps to build more readable/maintainable code (separation of concerns)





Why web frameworks?

- Writing large pieces of software is hard we need to leverage other people's work
- Frameworks are Code written by other people usually in JS to help you develop your website
- Examples include: vue (Improves code quality), nuxt (Improves code quality), vuetify (Makes website look nicer)





Thank you.

