Confidential Customized for Lorem Ipsum LLC Version 1.0

Access collective

Meeting 1 - Getting Started by David

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TOC

Access Collective The Project

Motivation Work Flow

<u>Context</u> <u>Software to install</u>

<u>Introductions</u> <u>Key Concepts</u>

Motivation

Employment opportunities by our supporters and sponsors

(Rio Tinto, UWA IQ, Anglicare, Illuminance)

Better understanding of software

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

Improve your group work skills

Context

- Coders for Causes helps student developers and charities <u>here</u>
- Access Department helps people with disabilities <u>here</u>
- Taking over an existing project <u>here</u>



Introduce yourselves:)

I am David, I taught myself programming

Ex engineer at startup

Taking a break atm and just doing uni

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 into an interactive web app
- Project deadline <u>30th July</u>
- Free to do what you want
- Project guide hosted



Work Flow

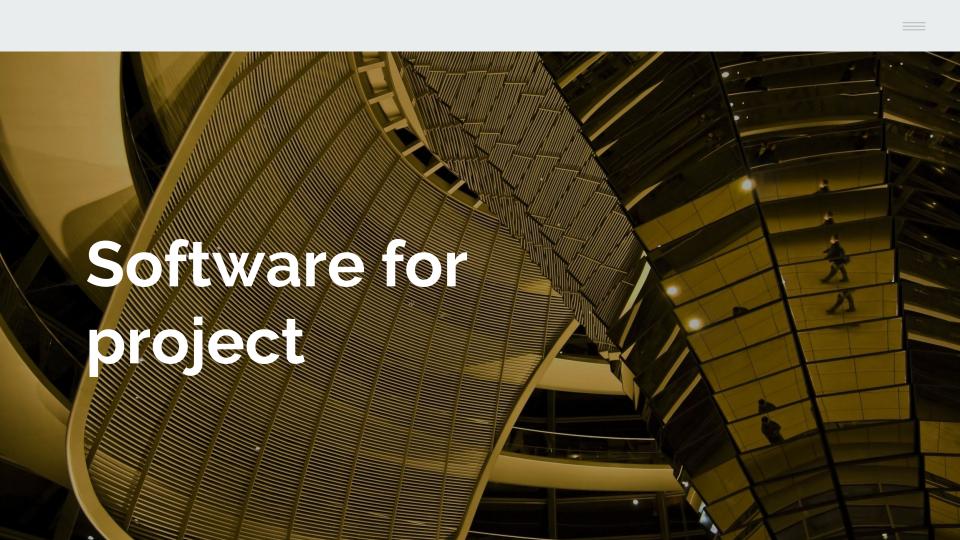
Create your branch

Create a pull request on Github

- Make your changes

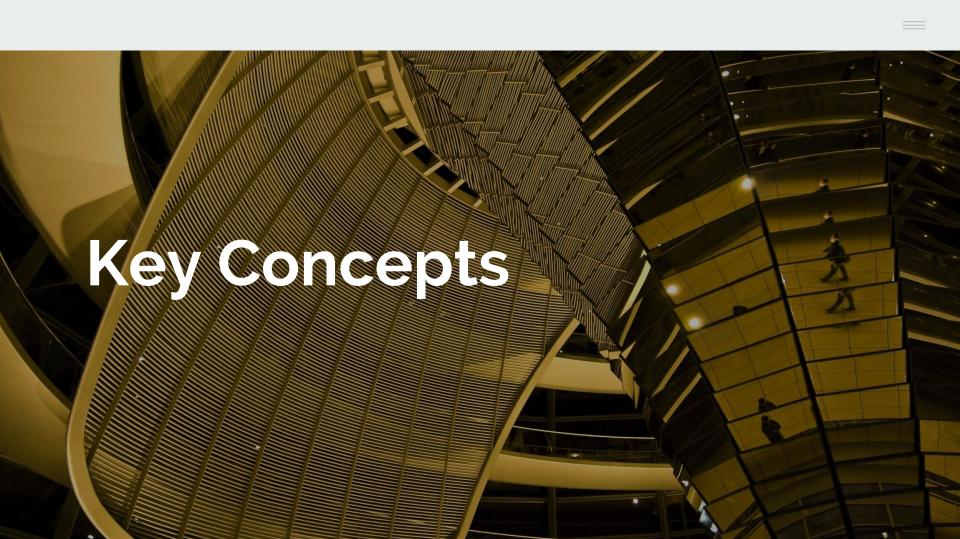
- Commit your changes

Code reviewed before being merged into master branch



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



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
 - o 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.

