Workshops

./Innovation with a mission

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1. About

1.1 Coders for Causes Workshops

This is where you can see all the materials for workshops that are presented to the volunteers of the project for each year.

If you would to know more about us, please visit our website at codersforcauses.org

1.2 Contributions

Hi! We are happy that you thought of contributing! If you have any suggestions or issues, please raise it here. I would be happy if you could provide pull requests, if you know how to do it here.

1.2.1 Structure

Folder Structure

The structure of this repo is as follows:

```
1   ├── docs                    // Folders for documentation
2   │   ├── CNAME
3   │   ├── contributions.md
4   │   ├── deployment_and_automated_site_deployment.md
5   │   ├── flavoured_markdown.md
6   │   ├── images              // Assets
7   │   │   └── ...
8   │   │
9   │   ├── index.md
10  │   └── writing_markdown.md
11  ├── LICENSE
12  ├── mkdocs.yml              // MkDocs Configuration
13  ├── overrides
14  │   └── partials
15  │       └── footer.html
16  ├── README.md
17  └── requirements.txt
```

1.2.2 Installation

Python

> ✏️ **Prerequisite**
>
> You need to have Python installed to be able to use `pip`. There are a few ways of installing Python. You can use a package distributor like Anaconda Or you can just install Python.

Once you have installed Python, install mkdocs requirements by opening a terminal and typing:

```
1   pip install -r requirements.txt
```

> ℹ️ **Python Environments (Optional)**
>
> however, it is good practice to use different environments for different purposes, in which case, for Anaconda, you would open a terminal and type:
>
> ```
> 1   conda create -n mkdocstutorial python
> 2   conda activate mkdocstutorial
> ```
>
> then enter:
>
> ```
> 1   pip install -r requirements.txt
> ```

Docker

Just run `docker-compose up`, it should show the web server running at localhost:8000

1.2.3 Commands

- `mkdocs new [dir-name]` - Create a new project.

- `mkdocs serve` - Start the live-reloading docs server. Very helpful when you want to take a look at the docs before deploying.

- `mkdocs build` - Build the documentation site.

- `mkdocs -h` - Print help message and exit.

- `mkdocs gh-deploy` - Deploy in github pages

1.2.4 Web Documentation Configuration

For full documentation visit:

- mkdocs.org for the generic MkDocs
- PyMdown Extensions for the different extensions that are installed
- MkDocs Material for the customisation of the web server documentation.

2. 2021/2022 Summer

2.1 Coders for Causes 2021/22 Summer Workshops

This project period continues the two main projects from the winter of 2020 :

- Foodbank
- WAIS

If you have not before seen the existing progress, see this video.

These two projects have their own corresponding technology stacks being used, hence will dictate the workshops that will be held.

2.1.1 Project Technology

Foodbank

Foodbank is mainly with frontend with React + NextJS + TypeScript + TailwindCSS with Firebase and Notion CMS.

WAIS

WAIS is a full-stack application with Vue and Django. It uses Docker containerisation for both development (and production in the future).

2.1.2 Workshop Recordings

The workshop recordings will be held on our youtube channel.

3. 2021 Winter

3.1 Coders for Causes 2021 Winter Workshops

This project period there are two main projects:

- Foodbank
- WAIS

If you have not before seen the existing progress, see this video.

These two projects have their own corresponding technology stacks being used, hence will dictate the workshops that will be held.

3.1.1 Project Technology

Foodbank

Foodbank is mainly with frontend with React + TailwindCSS with Firebase and Notion CMS.

WAIS

WAIS is a full-stack application with Vue and Django. It uses Docker containerisation for both development (and production in the future).

3.1.2 Where are the materials?

This website has only been created prior to 2021/22 Summer workshops. However, you can find the videos in our Youtube channel, and workshops slides in google drive.