Campus Program - Summer
Remote Learning Assignment

Intro

This week we will be trying to write some **HTML** and **CSS**. The assignment will use an online service to edit code in real-time and complete the screen we need (in "`Assignment part1`" you will see the details).

Additionally, `Assignment part2` provides instructions on how to create a '**Github Page**'. Both part1 and part2 are required assignments to complete. As for the **Advanced Assignment** mentioned in the document, it's up to your personal circumstances whether to take it or not. We won't be grading it or showing favoritism towards students who do it, so there's no need to worry.

Goal

The zeroth week is a week for all of you to try your hand. The aim is for you to find your own **learning style**. For example, some are **bookish** types, preferring to watch videos, read books, understand all the concepts before they start; others are **hands-on**, preferring to do first and then find answers; of course, in the latest era, there's also a type that is **AI-oriented**, asking GPT for everything is the right way. Anyway, you can try to complete this assignment by using all the resources and methods available to you, and we will discuss everyone's implementation status after school starts in person.

Engineering is a profession that requires you to **find answers and solve problems on your own**. There was once a famous saying called **Nothing but Google**. Now that the era of AI is coming, the way of coding and learning will be completely different. I look forward to you finding a suitable way, and in the future, we can discuss the pros and cons of each method together.

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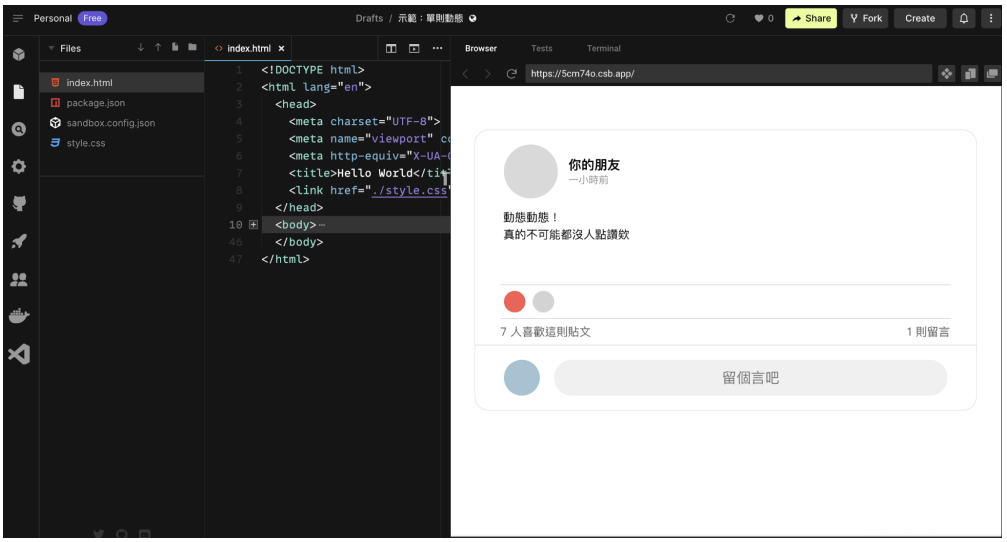
Week 0 Assignment part 1

HTML & CSS Practice

The learning goal for this week is to give everyone a try at front-end slicing and attempt to master various learning and debugging tools, such as **ChatGPT**, **Google search**, **Google devTools**, and so on.
Before we officially start the project, please register Code Sandbox online service and create a project.

1. Please go to https://codesandbox.io/ to register an account.
2. Create a new project and select **Static**. The project name is not limited.
3. You will get a file with `index.html`. When you edit the file and choose to save (`Ctrl/cmd + s`), the preview window on the right will instantly update the screen (package.json and sandbox.config.json are irrelevant to the assignment, but please do not delete them).
4. Try to create a new `.css` file in the Files on the left-hand side.
5. And link the `.css` file in the `.html` file. After confirming the successful linking, you can start writing the code. Alternatively, you could also add `<style>` tag directly in `.html`, according to your preference.



This week of remote learning will have you practice coding a social media **'feed'** as this **Figma** design draft.
👉👉 Figma design draft 👈👈

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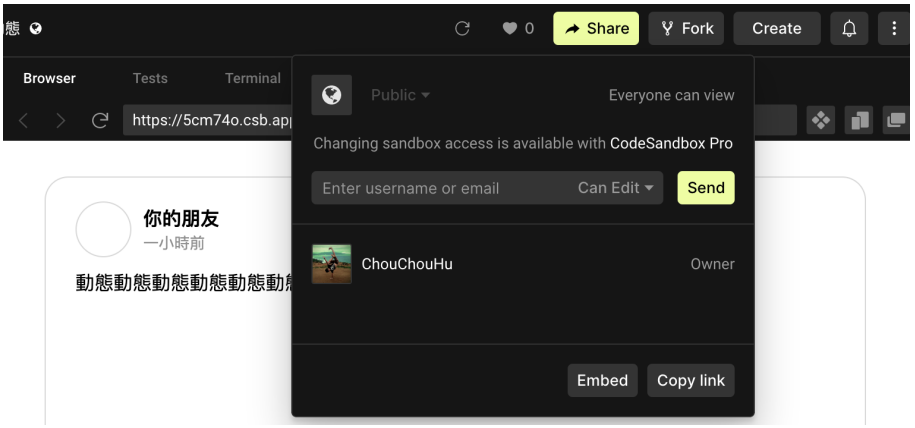
Assignment Requirements

1. Regardless of the level of completion, even if it's just a blank slate, you need to share the URL of the code sandbox to the Discord channel before **18:00 on 6/28**.
2. All interfaces need to be completed before **18:00 on 7/2**. The appearance should be completely the same as the draft on Figma, including round corners, dimensions, and so on.



Advanced Assignment (Optional)

The text of the feed is open to your interpretation. If possible, in under 1000 words, explain in your own words what `Next.js` is.
Yes, this is an "essay question". Imagine explaining to a junior high school student, so it's recommended to describe as plainly as possible, and **avoid using keywords you don't understand**.

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Tips

1. `Ctrl/Cmd + /` is the hotkey for "**commenting**", which is one of the most commonly used hotkeys by engineers.
2. Conceptually, it is recommended to first clarify what `CSS selector` is, then understand the difference between `CSS Position` and `CSS Flex`.
3. Having **GPT** write an example for you might be a good idea, but what's next? If you don't understand why everything works, you'll still get stuck.
4. The code shown in **Figma** may not necessarily be accurate, so use it just as a reference.
5. **Debugging** is an important part of an engineer's work. It's crucial to "**identify where the problem is**". You need to follow your own logic, and of course you can also converse with GPT.

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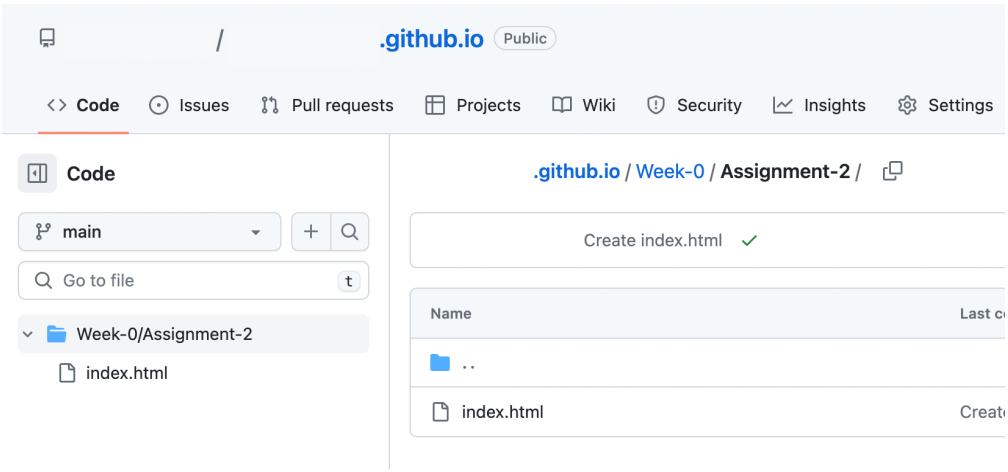
Week 0 Assignment part 2

Github and Github Page

Github is one of the most important platforms for engineers. We will also use Github for the assignment distribution and related communication during our summer course. Github provides a way for engineers to showcase their work, called Github Page. This assignment will guide you to complete a public page.

1. Create a new **repository** in your GitHub account.
2. Create folders in this repository for assignments of each week. a. Create folder `Week-n` for week N. (N is an integer) b. Under folder `Week-n`, create folder `Assignment-M` for all the files you like to submit in assignment M (M is an integer)
3. Manage and submit your work to GitHub by any Git tool.
4. For an example of `Week-0`, `Assignment-2`:
    a. Your Github Page link should look like this: https://username.github.io/Week-0/Assignment-2/
    b. Your Github repository should look like this:



Assignment Requirements

Share your **Github Page** link to the Discord channel by **18:00, 7/2**. The content is not specific (it can simply display "Hello World"), as long as the website does not return a 404 error.

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Advanced Assignment (Optional)

If possible, move the feed you created on Code Sandbox to your desktop and use **git** to push to your Github. Then show it on the Github page!

Tips

- Actually, there is no need to install Git locally; you can still complete the assignment by using the Github website only.
- If you want to complete the advanced assignment, the first step can start from **installing Git** on your computer and **understanding what Git is!** (Recommend)