PUI 2021 Assignment 8

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Part 1:

I am building my interactive portfolio which I implement an interactive intro page as the entering page. The rest of the page includes projects I did before and my resume.

Since the website was built by myself from design to deployment. I want to show that I have the ability to not only coding as an engineer but also have design skills.

I add transition animation in several parts of the page and try to enhance the user experience, and also every web project I made before was deployed to the webserver and can be accessed by the link.

The target audience is someone interested in my previews work which is the employer

Part 2:
Entering page:

You can click any block on the screen and press the "C" key to interact with the page. You can also use your scroller to zoom in and zoom out the page or rotate the camera by holding the left button of your mouse. After that, you can click "Enter" to entering my portfolio.

Portfolio page:

You can access each subpage by navigation bar. On the projects page, you can click the thumbnail or project to get more detail about the project. And also you can click "Play it here" to access the live version of each project.

Part 3:

- React
  - React is helpful when you need to reuse each component repeatedly. And also the JSX syntax is much easier compare to write code in pure DOM.
  - I use it as the basic framework of my page.
  - Basically, the structure of my page.

- Three.js
  - Three js is a library which let my rendering 3d object on the screen. For me it a simple tool to design and implement some creative code stuff.
  - I use three to implement my entering page.
  - More interactive feature in my page and makes my portfolio no longer so boring.

- MarkDown Reader
  - I didn't have a CMS as my backstage, so I need a tool to create each detail page of my project.
  - Instead of write code for each page. I use MarkDown reader to transform the MarkDown file into HTML elements and use CSS to style the object.
  - Each detail page of projects

Part 4:

My plan was to implement two interactive elements in both the entering page and the about page. But I found that adding interactive stuff in about page will make the page become too tangled and not concise. Hence, I only implement one interactive element on the entering page.

Part 5:

The most challenging part was to find a general way to implement all the detail pages without coding each page. And also structuring the webpage is also a bit troublesome.