

Homework 8 Write-Up  
Brady Baldwin, PUI Fall 2020

**Link to GitHub Repository:** [https://github.com/Bradybaldwin/PUI-2020/tree/main/Homework\\_8](https://github.com/Bradybaldwin/PUI-2020/tree/main/Homework_8)

**Link to Live Hosted Site:** [https://bradybaldwin.github.io/PUI-2020/Homework\\_8/index.html](https://bradybaldwin.github.io/PUI-2020/Homework_8/index.html)

**a. Part 1**

- i. The purpose of this website is to serve as a portfolio of my past work on major projects and other achievements. I intended for it to give a quick snapshot of what I have accomplished so far and convey to employers what skills and experience i have as a researcher and designer primarily. I wanted to give a sense of my project history as diverse, because I have worked on several very different projects over the past few years. It is made interesting by including plenty of artifacts (including videos) from these projects, and it engages the user through both animation and responsive design which I created to keep the site flow as digestible as possible on nearly any size of screen. The target audience will primarily be potential employers who want to understand the type of work I have been involved in previously, but it could also be interested colleagues or even friends and family who want to keep up on my work.

**b. Part 2**

- i. Interactions
  1. Home page
    - a. Scroll (whole page)
      - i. On the home page, scroll down to view my three featured projects. As you scroll the projects will animate upwards toward you and fade-in.
    - b. Click (Nav bar)
      - i. At the top of the page is the nav bar, where you can click on the 'projects' tab to see the full list of past projects I am including on the site. Next to this is the 'resume' tab, which opens a PDF of my resume in a new window when clicked.
    - c. Click (Button)
      - i. All of the 'view project' buttons on this page are clickable but I have only built out one project detail page for this assignment as they will all look similar (I plan to do the others over break!) If you click the View Project button beneath the Educational VR Experience window you will be taken directly to that page.
    - d. Click (Footer)
      - i. On each page there is a footer with three links aligned on the right-hand side: LinkedIn, Facebook, and Email. Clicking on LinkedIn or Facebook opens a new tab to my page on each site and clicking on the Gmail link calls an alert with my email on it.
  2. Projects
    - a. Scroll (whole Page)

- i. Scrolling to the bottom of this page triggers an animation of the two 'footer' projects that I have included. I have not built pages for these, but I intend them to be more condensed project detail pages.
  - b. Click (Button)
    - i. Clicking on the 'view project' button within the Educational VR experience container will send you to that project detail page. The rest of the buttons are clickable but currently do not link to a page.
- 3. Project Detail Page (Educational VR Experience/Noctis Evadere)
  - a. Scroll (page)
    - i. Scrolling down the page will trigger many animations as elements fade in and move up or from the sides of the page.
  - b. Click (accordion Menu)
    - i. There are two accordion menus that the user can click to see more information about certain high-level takeaways or decisions surrounding the project.
  - c. Click (carousel)
    - i. The user can click the carousel on either side to scroll through some screenshots of the project. I only have 2 at the moment but plan to add more later.
  - d. Click (video)
    - i. The user can click on the embedded Google Drive video to play a walkthrough of the project. They can also click on the link below the video to download and demo the project themselves.

### c. Part 3

- i. Bootstrap
  - 1. I chose to use this tool because I needed a way to make my project responsive. I know that many employers and others will view the portfolio on a mobile device, so I wanted to make sure that I created a site that would scale for all screen sizes. I also wanted interactables like buttons, navs, accordions, etc.
  - 2. I implemented Bootstrap almost entirely through HTML and CSS. I made full use of the bootstrap container grid system to make the site responsive and customize my breakpoints. I added many buttons and other intractable elements like the nav by following directions in their site documentation. To add a personal touch, I altered the appearance of many of these tools in CSS.
  - 3. Bootstrap adds a fantastic level of polish to the site. Not only does it seamlessly respond to any screen width, but elements like the responsive nav feature and the accordion menus make the site look much better than I could have achieved on my own.
- ii. GreenSock

1. I chose to use GreenSock because I wanted this site to feel lively, and for that I would need animation. I wanted clean animations that were easily repeatable for many elements throughout the site, so I went with GreenSock based on a classmate's recommendation.
2. I used this tool by creating a function in JavaScript that checks to see if the page was loaded and then runs a large number of 'timelines' which contain individual animations for elements on the page. I included a plugin for GreenSock that allowed me to trigger animations on scroll, allowing elements to fade in and upward as the user scrolls down. I also used it to animate in my name at the top of the home page, reinforcing that element in particular.
3. I believe these animations make the site feel livelier and more responsive to the user. I think they are engaging as you scroll down to see how the elements will come into the page, and overall give a higher level of polish to the site.

**d. Part 4**

- i. I iterated mostly by simplifying the backgrounds of the pages, removing the colored circles in favor of a more linear nav. Other than this the site mostly resembled the prototype in form and function.

**e. Part 5**

- i. I thought the most challenging part was understanding the libraries I was importing and reading all their documentation (as well as watching many tutorials.) I found the creation of nested divs in Bootstrap's grid system especially frustrating at times, especially when images weren't playing nicely, or I couldn't add a class as all of my divs were already given classes by the Bootstrap div system.