Website: https://jipark2.github.io/portfolio/

Assignment 8 Write Up
Part 1 - Project Description
The purpose of my website is a personal portfolio for potential employers and showcasing my previous work. I want to convey my core competencies, previous programming homework assignments and past professional experiences. My portfolio aims to be clean, simple and easy to navigate. I also wanted to showcase the most important information about my background and projects that I have driven. To add personality and make my website more engaging, I leveraged colorful and engaging animations on my projects screen. I also showcased an engaging book shelf carousel to showcase my love for learning. The target audience is future employers who may be viewing my website and want to get a better understanding of my work.

Part 2 - Interactions
1. Landing Page
   a. User scrolls down, views description and transition animation for each project and clicks into individual project pages. The landing screen experience was implemented with Bootstrap and CSS to replicate the sweep to top animation. For the transition animations, I utilized an AOS library to facilitate the moving elements across the page.
       i. Each child project leveraged text and images to showcase the work across each project. I created a grid structure that would allow the images to be flexible and responsive. I also utilized a navigation bar animation to indicate to a user when they have landed on a new page.
           1. Mobile Landing Screens project
           2. Mobile Home Screen Redesign project
           3. Shop by Categories
           4. Bun Bun Bake Shop
   b. User clicks into my personal bookshelf. For my personal bookshelf, I leveraged HTML / CSS and Javascript to create two container views for my favorite books. I leveraged the document method getElementbyID() to manipulate the attributes across the page. Then I created a for loop to loop through the array of images that I set as part of the image object. User can toggle through two views: a carousel and my digital bookshelf
           1. Carousel: User can scroll through book view experience
               a. User can click on title to see title
           2. Tile View: User can select toggle on the top right for a bookshelf view of my recommended books
   c. User clicks into my about me page. The page leverages Bootstrap and is structured to simplify the information.
       i. User can read through the critical information about my profile and background
       ii. User can click on my email to directly email me for my resume right away.

Part 3 - External Tools
- Bootstrap: I leveraged the Bootstrap library as a responsive framework to build my web application. Bootstrap simplified the development of informatie web changes and applied a uniform appearance of the components. I utilized the framework throughout my website to create a backbone structure for my application. It also helped add uniformity and amplify the simplicity I wanted to highlight in my website.
- AOS Library: I integrated a CSS library called AOS to create seamless CSS animations throughout the website. The AOS Library is easy to integrate and creates seamless transitions with minimal integration. I used the transitions throughout my landing page to distinguish varying levels of content and create consistency throughout the website experience. Animations help the content feel less static and more engaging to users who visit the website.
- Hover CSS: I utilized a free, open source CSS3 powered library called Hover CSS to emphasize my portfolio content on the landing page. I chose to use this effect as it makes use of a single element and self contained. The Hover CSS adds to the delightful moment of exploring the landing page by highlighting the links that are featured on the landing page.

Part 4 - Iterations

I improved my initial mockups by creating a more personalized experience for my landing page. My initial mockup was largely generic and did not touch on personal elements around me that may be compelling to my employers. I added personalized touches by adding personal images of myself, highlighting animations and a digital bookshelf to showcase my creative background.

Part 5 - Challenges

One of the difficult areas of the project was the Javascript to support the bookshelf. Due to the varying image sizes and urls of the books I wanted to showcase, it was difficult to scale the Javascript for the main carousel view. Additionally due to the expansive CSS file and different project pages, it was difficult to keep track of all the class names to properly attribute the correct elements to each of the code.