Valencia College

Front-End Report

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CEN 4350 - 24674

Open Source Web Technologies

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Project Github

GitHub Repository

https://github.com/smb78998/a_202420-CEN-4350

Live Sit link

https://smb78998.github.io/a_202420-CEN-4350/

Introduction

This webpage serves as a landing site for the podcast "Cash Chronicles". This imaginary podcast has the goal of spreading financial literacy in an easy-to-understand way. This website advertises the podcast itself and also encourages users to sign up for the mailing list. The mailing list is used to send general announcements, and alerts for new podcast episodes increasing consumer retention.

Project Scope

Technologies

For the technologies of my website I use HTML, CSS, Javascript, and React. As for the hosting of the site is done through GitHub pages.

Features

Within my Project Proposal the custom features which I planned to implement were interactive animations on buttons, a responsive navigation bar, and finally interactive sliders. In my final output of the front-end I included all of these features.

For the animations, I had planned to create particle effect animation, yet chose to execute this differently on the final project. The particle animation effect seemed to be complex for someone of my skill level, thus I chose to rely on simple CSS animations. For buttons on my webpage, I added a "shine" effect animation when a user hovers over the element.

In regards to the responsive navigation bar and interactive sliders these were implemented using javascript.

Mockup and Screen Shots

Initial Mockup	Second Mockup with React component	Current Site Screenshot**

Further Screenshots
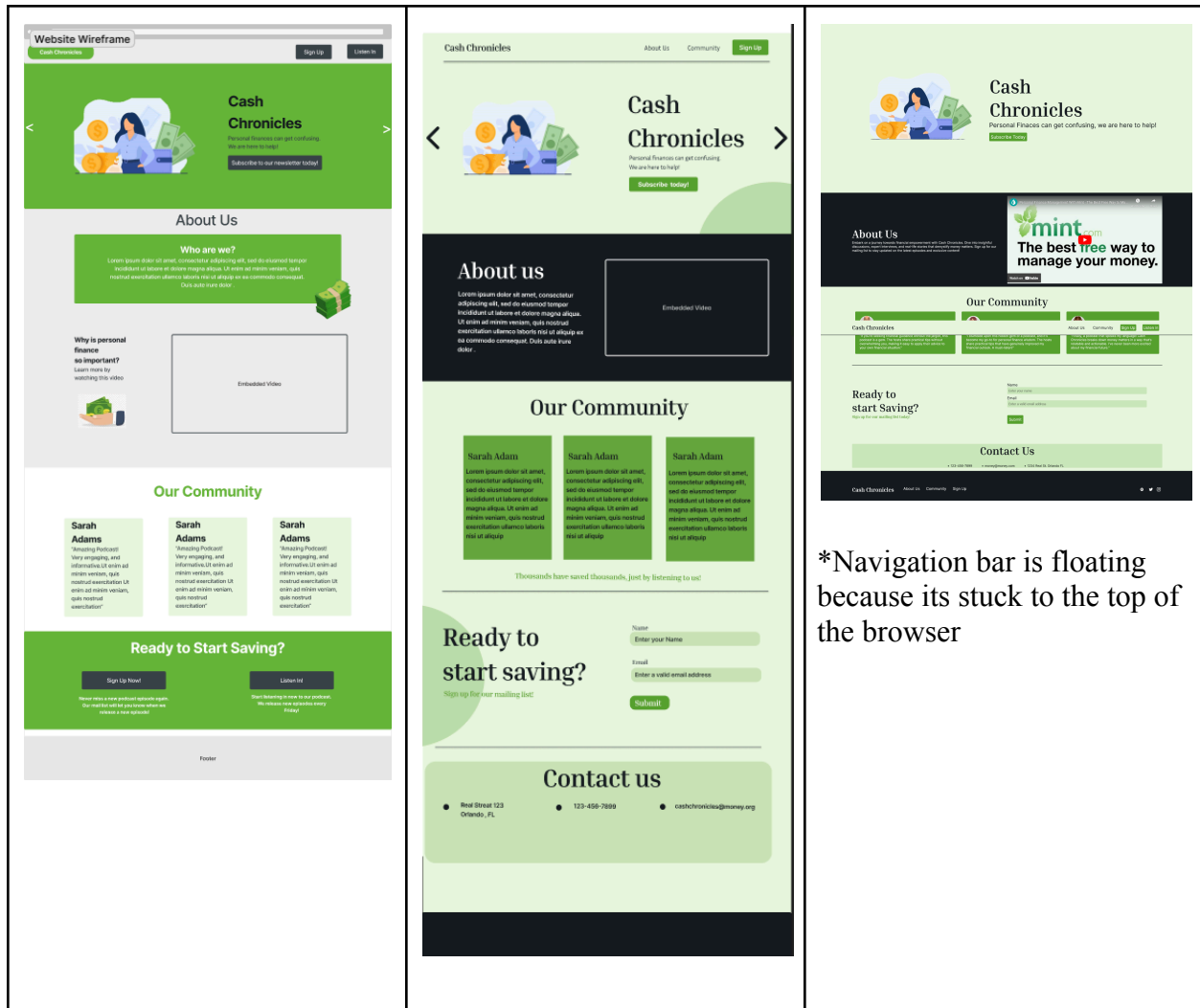
*Navigation bar is floating because its stuck to the top of the browser

Cash Chronicles

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About Us

Embark on a journey towards financial empowerment with Cash Chronicles. Dive into insightful discussions, expert interviews, and real-life stories that demystify money matters. Sign up for our mailing list to stay updated on the latest episodes and exclusive content!

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Our Community

Kenji Writgh

"If you're seeking financial guidance without the jargon, this podcast is a gem. The hosts share practical tips without overwhelming you, making it easy to apply their advice to your own financial situation."

Alba Smith

"I stumbled upon this hidden gem of a podcast, and it's become my go-to for personal finance wisdom. The hosts share practical tips that have genuinely improved my financial outlook. A must-listen!"

Keily Jones

"Finally, a podcast that speaks my language! Cash Chronicles breaks down money matters in a way that's relatable and actionable. I've never been more excited about my financial future."

Mobile View

Implementation

As this was my first time creating a full webpage, I wanted to start with the basics. I wanted to have a solid foundation and understanding of HTML, CSS, and javascript before I moved onto more advanced topics, or frameworks.

First, I began my journey by learning HTML and CSS , and practicing using these two languages together. I used several video tutorials, and lots of searching online to build my understanding of HTML and CSS. A big turning point in my learning was discovering Flex Box. This tool allows for flexibility in the display and look of a website, thus I implemented it throughout all sections of my site. For instance, in my nav bar I have nested flex layouts in order to create my desired look. Below I'll include an image demonstrating the different sections within my nav bar section.
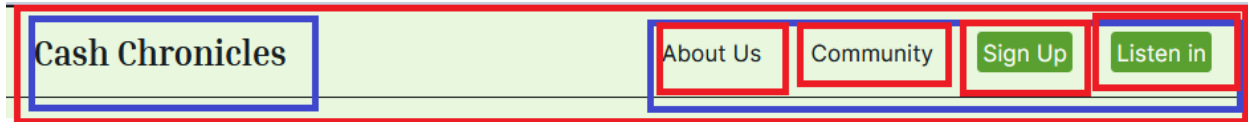
After developing my skills with HTML and CSS I moved onto learning Javascript.For javascript i used this video (▶ JavaScript Full Course - Beginner to Pro - Part 1) in order to get a grasp of what I would need to know to implement responsive features on my website. Outside of my site in order to build a better understanding of javascript I created small programs such as a rock-paper-scissors game and a calculator to review fundamentals. I then used javascript to build the responsive features of my website such as the responsive nav bar and responsive slideshow for the community section.

Responsive Features Build with Javascript

Responsive Navigation Bar	Responsive Community Section
Cash Chronicles ✕ About Us Community Sign Up Listen in	**Cash Chronicles** ☰ # Our Community Kenji Writgh "If you're seeking financial guidance without the jargon, this podcast is a gem. The hosts share practical tips without overwhelming you, making it easy to apply their advice to your own financial situation."

After gaining proficiency in HTML, CSS, and JavaScript, it was finally time to tackle React. I had heard a lot of React, yet was not quite sure what exactly a framework or javascript library was. To start I wanted to learn the basics of react. Beginning my journey I watch these two videos by the same creator ▶ React tutorial for beginners ⚛ and

▶ React CARD components 🤹 to gain a better idea of React and its capabilities. Then I planned to add a small react component to my website to combine all of the materials I had learned: HTML, CSS, Javascript, and React. Yet, I was faced with some challenges. Primarily when deploying the website onto my github. When facing these obstacles I had created a new folder then used Vite to create a react app. After making the react app, I would then add on the styling and building block of my site. Yet this approach did not work as Github pages, Netlify, Vercel, wouldn't deploy the web app correctly. While thinking of a solution for this hurdle, I

wondered what would happen if I took the opposite approach. Instead of creating a React App then adding on my website components, what if instead I used my original website folder and added a react component there? This ended up being the solution for my troubles. By adding in a react component and using Babel to help read the .jsx files I was able to successfully add a react component to my page.

Conclusion

Now to tie everything together, this project has shaped my mind to have a better understanding of what goes into creating the front-end of a webpage. To point out some highlights on my journey, I was impressed with certain capabilities of CSS, primarily variables and animations. When learning about animations, I had a lot of fun having elements pop in and out of the screen, or text continuously changing color. As for challenges I faced, learning javascript and react as a whole was a difficult task and I still understand that there is so much more.

In the plans for my website, I am going to implement a database using MongoDB and Node.js for the backend. As of right now, I have no experience with these applications, so there is a lot to learn. As for how I will implement these backend languages, I plan to make the "Sign up" form on my webpage collect user data. The end goal is for a user to fill out their name and email, then once they sign "submit" it will be sent to the site's database.