



Responsive Web Design: Beatbox Music

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Project Description

In the CS131 Web Structure course, we studied how to design and develop responsive web designs that adapt to different screen sizes and devices. For this project, I decided to apply these concepts by creating a website based on my passion for beatbox music. The project allowed me to combine what I learned in class with a topic I enjoy, making the development process both engaging and meaningful. In addition to presenting the website, I also reflect on my experience working on the project, including the design choices I made, the difficulties I encountered, and the skills I developed during the process.

Desktop View

Tablet View

Reflection

This was my original document used to take notes while I worked on my project. So after the couple paragraphs, it's kind of just jargon I wrote down.

One of the hardest parts of this project for me was deciding on a design. I spent a lot of time looking at other pages and thinking about different layout ideas before I actually started building the final version. At first I was trying to make something that looked very polished and complex, which ended up slowing me down a lot. Eventually I realized that the assignment was meant to focus on the layout and responsive design rather than making a perfect website. Because of that, I ended up scrapping my original attempt and starting over with a simpler structure.

For the final version, I focused on creating a clear layout with a header, navigation buttons, a main section with cards and a sidebar form. I used flexbox to control the layout and make the cards wrap correctly across the page. I also used Adobe Color to pick a color scheme that I liked and generated a placeholder logo so the page would feel more complete. Once the desktop layout was working, I added tablet and phone media queries to make the page adjust to different sizes.

One challenge I ran into was figuring out why elements were sometimes shifting off the page or not aligning the way I expected. This helped me understand how widths, padding, and margins interact when using Flexbox. I also learned that it can be helpful to simplify layouts instead of trying to control every element with fixed sizes. Debugging those layout issues helped me gain a better understanding of how responsive layouts work.

If I had more time, I would spend more effort improving the design and adding more content. I would include some of my own beatboxing battle photos and refine the layout so the cards and sidebar scale more smoothly across screen sizes. I would also improve the styling of the form and navigation to make the page feel more polished. Overall, the project helped me better understand Flexbox, responsive design, and how planning a layout ahead of time can make the development process easier.

Mobile View