Levi Eck

Professor Muvva

INF651 - Front End Web Development I

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Final Project Report

Features and Functionality

The concept I used for my final project was a lawn company website. I operated a lawn business in high school (and still occasionally pick up jobs), so I already have knowledge of the field, as well as some graphic assets. This website lists services, accepts reviews, displays a photo gallery, and contains about and contact pages.

How JavaScript Enhances the User Experience

JavaScript has helped to make this website more dynamic and interactive. One way it demonstrates this is the ability to sort services by name or price. Based on a user selection, it alters how the elements are placed on the page. Another way JavaScript is used is through the reviews page. With the help of Firebase, users can write a review, which then will update onto the page. Other uses include cycling through photos and form validation.

Challenges and Solutions

One of the biggest challenges I faced was how to get the services page right. Originally, I had it hardcoded in the HTML. However, I wanted a good way to sort through the items. By observing the book rental website on the class GitHub, I was able to figure out how to migrate data to JSON format, which significantly helped writing the sorting function.

Lessons Learned

Through this class, I have greatly strengthened my comfortability with JavaScript. This project forced me to go back and relearn techniques, as well as do a lot of repetition. It is becoming easier for me to come up with visions on how to implement JavaScript into projects.

Future Expansion

If I continue to develop this project, I would primarily further improve the visuals. I'm happy with how it turned out, but there are always ways to make it look better. A feature I would like to implement would be a dynamic schedule. Ideally, users would be able to sign up for slots based on availability.