Project Milestone 7

WATT2Buy

Prepared by
Team WATT2Buy (#112-3)

Hung Bui
Simon Julien
Tiger McDaniel
Kunal Sinha
Vanessa Van Scyoc Hernandez

December 7, 2020

Project Description

This product is for residential property owners considering renewable and sustainable energy technology for their power needs. Watt2Buy is an automated investment advising website that provides its users with renewable and sustainable product recommendations based on a series of factors based on survey inputs.

Unlike other price comparison websites like Google Shopping and NexTag, Watt2Buy's concentration on sustainability within residential buildings allows our recommendation algorithm to match each user to a handful of products that are optimal and realistic for their specific investment situations

Find your customized plans today by taking our survey! We'll ask about your energy consumption, interests, location, budget, and more to figure out a plan that is most suitable for you!

Project Tracker

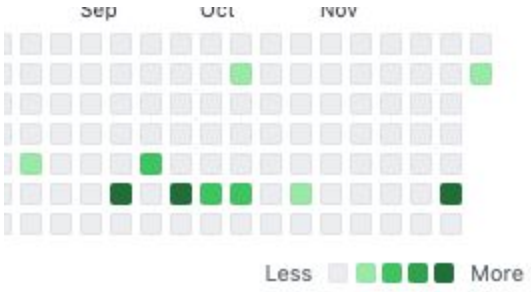
Main Contact: We used Telegram as our main form of communication and project tracking. We did this by reporting biweekly to the group, distributing tasks, and assessing progress.

GitHub

Git Repo Link: https://github.com/CSCI-3308-CU-Boulder/WATT2Buy
Heroku Repo Link: https://dashboard.heroku.com/apps/watt2buy

Contributions

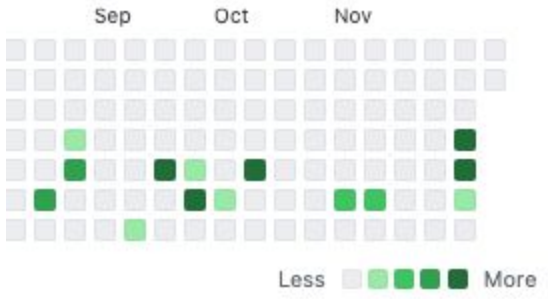
Hung Bui



- Created Website Skeleton (create the template with NavBar, Footer, Homepage, Login, Sign Up pages) using HTML + CSS
- Created Database Design using MySQL

- Upgrade the view of the Products page.
- Adding Shopping Cart functionality (Count Total, Add/Remove Items from Cart, Clear All) using CSS + Javascript
- Working with Products Page to add Checkout functionality using Stripe.

Simon Julien



- Collaborated heavily on the survey with Vanessa and Kunal. Specifically, I was in charge of creating and formatting the final product of the survey and the process of displaying results.
- Collaborated with the JS and calculations behind the results page, and ran some general testing procedures on the cite (because there are a lot of functions with different combinations of user selections)
- Also made the original card deck for our “products”, however these were later upgraded.

Tiger McDaniel

- Converted all HTML files into .ejs and connected database to project locally and through Heroku
- Wrote the server.js file to run the application and connect the server and database.
- Completed ‘Login’, ‘Subscribe’, ‘Contact Us’, and ‘Sign Up’ HTML, JS, and EJS
- Connected ‘Subscribe’ function, ‘Login/Subscribe’ function, and ‘Contact Us’ function to database
- Deployed Project to Heroku

Kunal Sinha

- Worked on creating the front end of the survey towards the beginning of the semester.
- Worked on API integrations on the survey, getting solar data and did the calculations as required by the survey. Helped test the survey javascript and worked on minor front end changes on the website.

Vanessa Van Scyoc Hernandez

- Created the updated, final card stack by selecting the final featured products and wrote necessary front end code to display them.
- Worked with Simon and Kunal on the survey and results page. Specifically, was responsible for calculating which products are recommended from survey inputs in the results.js file.
- Also helped with plenty of testing and took a leadership and organizational role in scheduling meetings, goals, and submitting final milestones.

Deployment

Link to deployment environment: https://watt2buy.herokuapp.com/
Or run locally by following the steps laid out in our README.md.