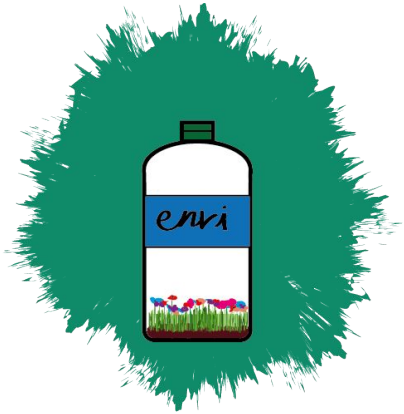
envi

Matthew Teta, Sarah Zendle, Rebecca Coryell, Samuel Mast, Lakshya Jaishankar, Charlie Koepke and Brian Mayers

What is envi?



- Platform for users to **track positive environmental impacts**, share progress, compete with friends.
- Promotes **environmentally friendly actions**
- Users can track actions such as recycling bottles, biking/bussing to work, consigning clothing, etc.
- Provides information about organizations centered around helping the environment, with links to donate to them as well

Tools and Programs

Organization

- Used Jira to track sprints, bugs, and assign work to group members (3/5)
- Contacted each other via Zoom (4/5)
  - Had weekly meetings on Tuesday and Wednesday nights
- Used GitHub for the repository (5/5)
  - Useful for version control and sharing code
  - Could have used features more effectively
- Deployed on Heroku (3/5)
- Most of us used VSCode IDE as a coding environment (5/5)

Jira Software

Visual Studio Code

GitHub

PostgreSQL

Insomnia

heroku

zoom

jQuery
write less, do more.

node

Platforms and Libraries

Frontend

- HTML, CSS, and Javascript (3/5)
- Bootstrap for formatting (4/5)
- Axios for GET/POST requests (3/5)
- JQuery for DOM manipulation (2/5)

Backend

- Node.js for the framework (4/5)
- Express for routing (4/5)
- PostgreSQL for the database (5/5)
- Insomnia for testing (5/5)
  - Easy to use and helpful for testing routes before integrating

Jira Software

Visual Studio

GitHub

PostgreSQL

Insomnia

heroku

zoom

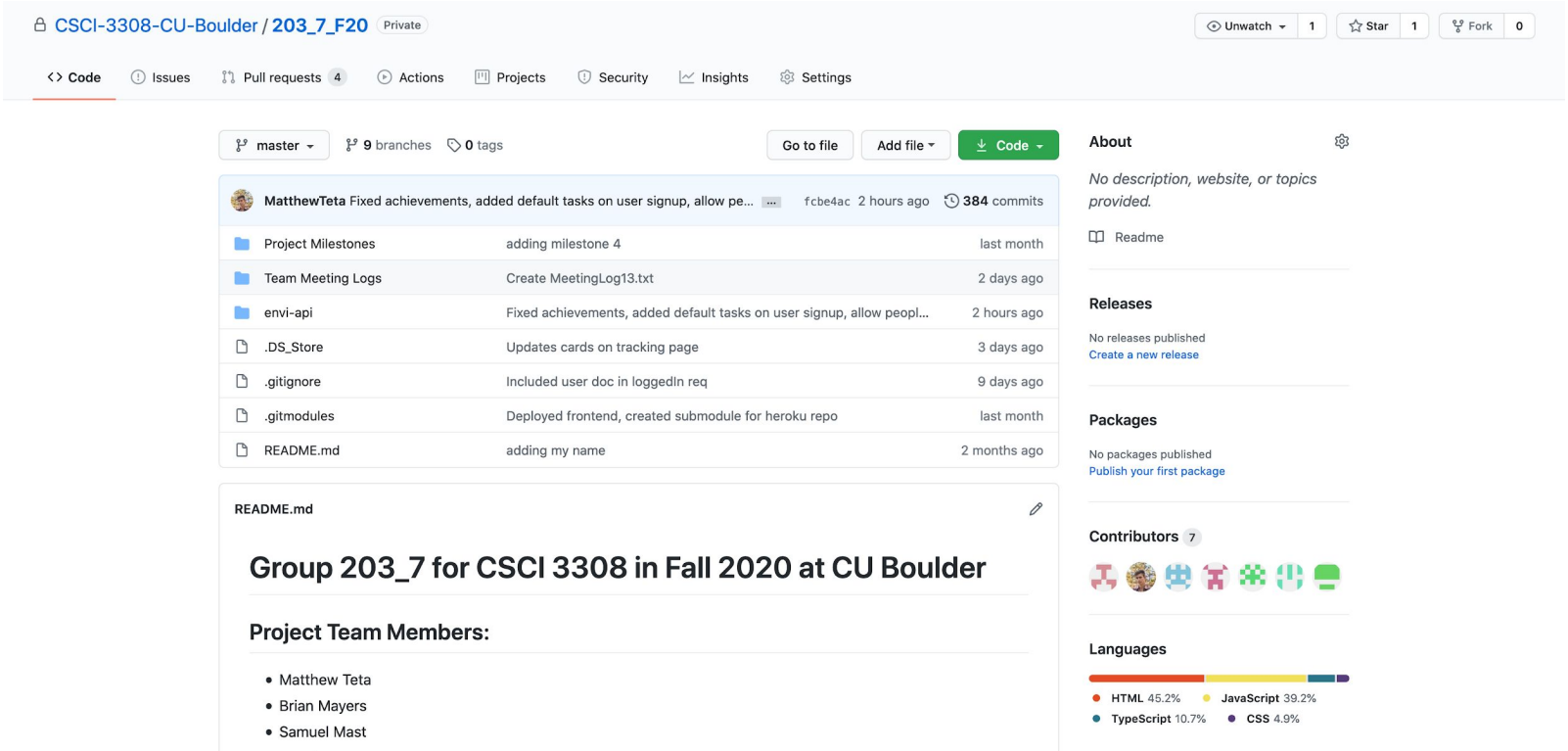
jQuery
write less, do more.

node

Methodology

- Used Agile method (4/5)
- Tracked everything using sprints and tasks (3/5)
- Worked together well, but we sometimes were lost and all doing different things; hard to keep things on the same page
  - More closely following the Jira board would have made this easier
- Since most of us were learning all of these technologies from the ground up, it was a slow process to get everything up and running.

Methodology



CSCI-3308-CU-Boulder / 203_7_F20 Private

Unwatch 1 | Star 1 | Fork 0

Code | Issues | Pull requests 4 | Actions | Projects | Security | Insights | Settings

master | 9 branches | 0 tags | Go to file | Add file | Code

MatthewTeta Fixed achievements, added default tasks on user signup, allow pe... fcbe4ac 2 hours ago 384 commits

Project Milestones	adding milestone 4	last month
Team Meeting Logs	Create MeetingLog13.txt	2 days ago
envi-api	Fixed achievements, added default tasks on user signup, allow peopl...	2 hours ago
.DS_Store	Updates cards on tracking page	3 days ago
.gitignore	Included user doc in loggedIn req	9 days ago
.gitmodules	Deployed frontend, created submodule for heroku repo	last month
README.md	adding my name	2 months ago

README.md

Group 203_7 for CSCI 3308 in Fall 2020 at CU Boulder

Project Team Members:

- Matthew Teta
- Brian Mayers
- Samuel Mast

About

No description, website, or topics provided.

Readme

Releases

No releases published
Create a new release

Packages

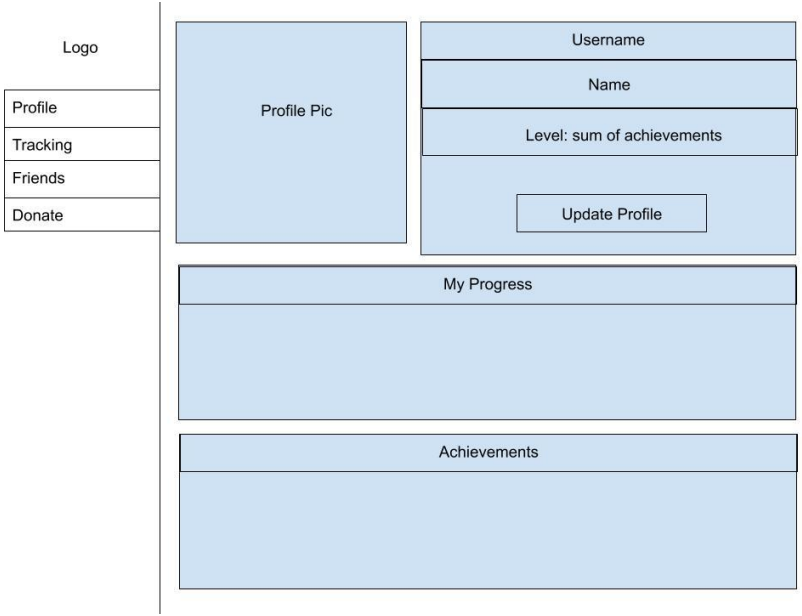
No packages published
Publish your first package

Contributors 7

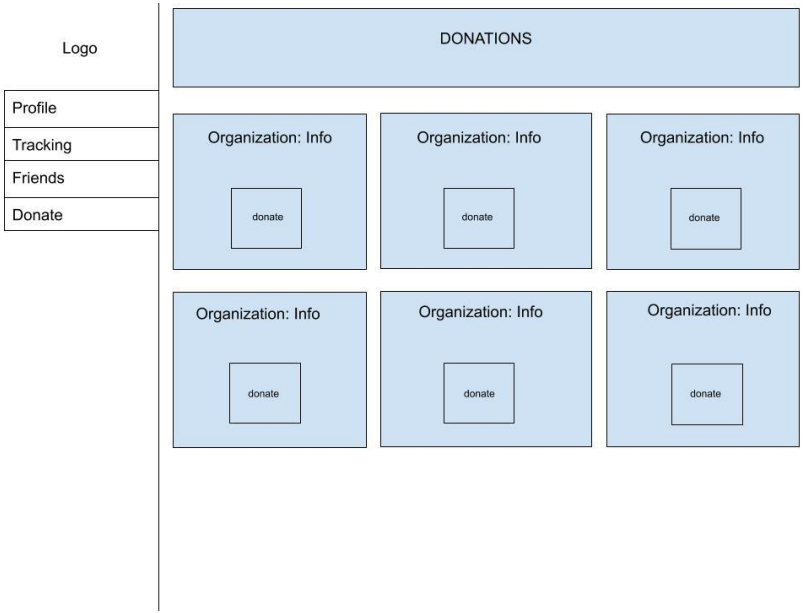
Languages

HTML 45.2% JavaScript 39.2%
TypeScript 10.7% CSS 4.9%

Wireframes

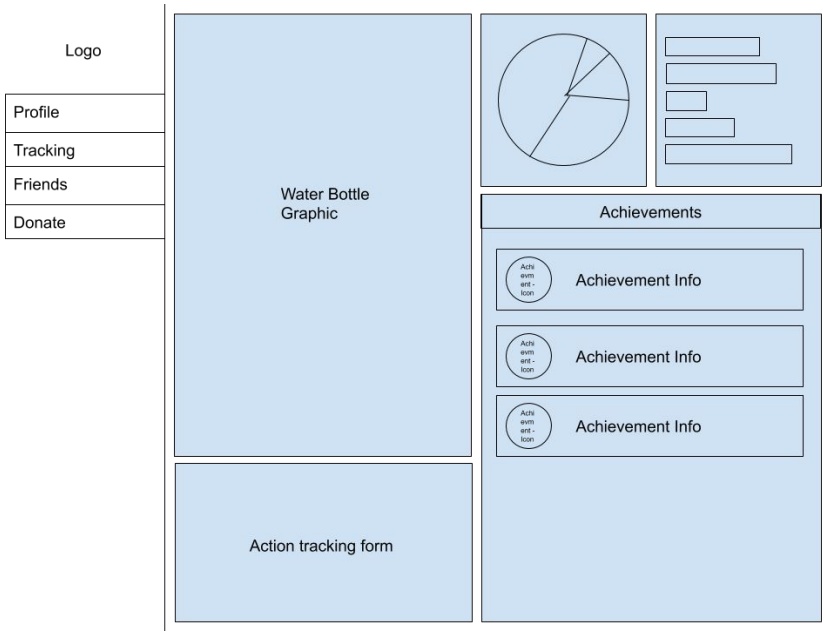


Profile Page Wireframe

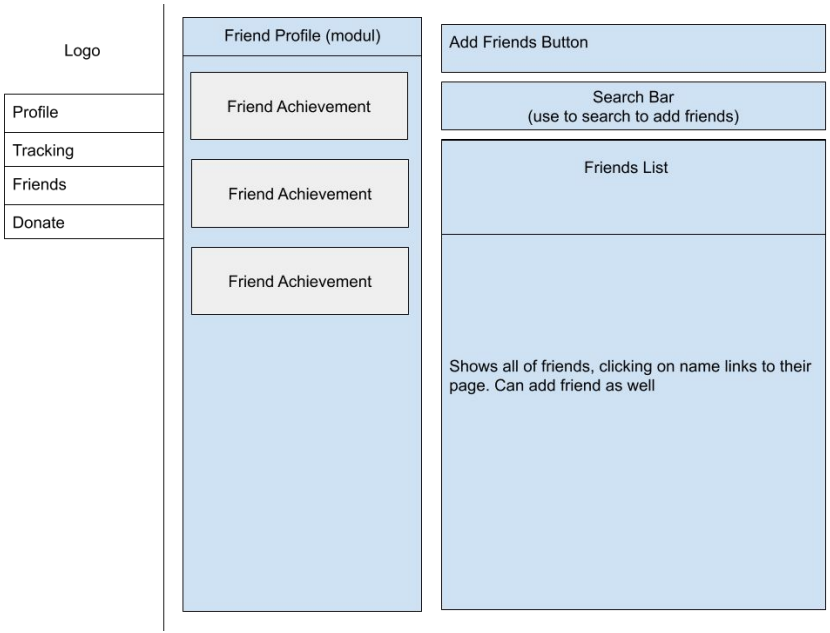


Donate Page Wireframe

Wireframes



Tracking Page Wireframe

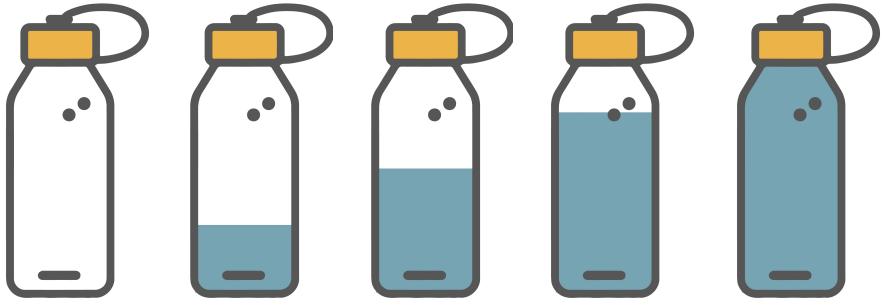


Friend Page Wireframe

Challenges

- Had trouble with deciding a point system and what view of the tracking page made most sense from a user's perspective. We overcame this by discussing ideas with group members, and iterating over various ideas.
- Struggled with integrating the friends and achievements, but once the data format was clearly defined, this became easier.
- We ran out of time to add some of the ideas that we originally had, so we cut some things out and saved them for if we had time later (explore page, featured weekly accounts, announcements, etc.)
  - It is important to decide the MVP before starting the project.

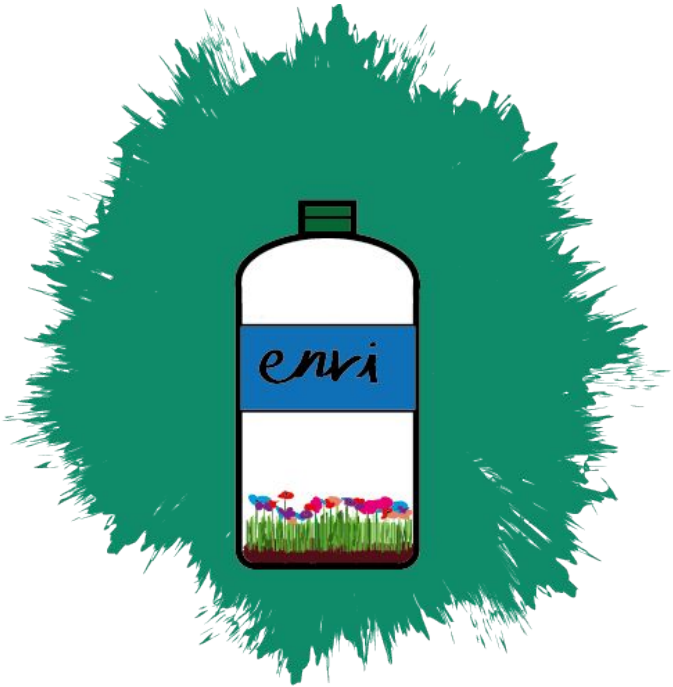
Successes



- User Authentication
  - Sign Up, Log In, Update Profile
- Impact Tasks & Impact Points
  - Add tasks
  - Complete tasks
  - Water bottle visual
  - Pie chart task type breakdown
- Achievements
  - Users are awarded achievements when they reach impact point milestones
- Friends
  - Add friends
  - View friends
  - View friend achievements
- Donations
  - View organizations
  - Link to donation

Future Goals & Improvements

- Create incentive for users to sign up and log their impacts
- Add the ability for companies to sign up and show off how they are reducing their carbon footprints
- Aggregate user impacts to show how small tasks can add up to create big impacts
- Verify that tasks were actually completed by users, and add the option to track larger tasks, such as installing solar panels, buying an EV, planting trees, etc.

Demo

Questions, Comments, Suggestions?