

Project Milestone 2
Section 203 Group 7

Project Features

Step 1 Profile Set Up:

- Profile Information:
 - Set up username/password OR log in with google/facebook
 - Bio
 - Name
 - Phone number / email
 - Profile picture
 - Age (Birthday)

Sustainable Transactions Tracking View:

- Renewable energy upgrades
- Carbon neutral products
- Reusable water bottles/cups
- Reusable Straws
- Donate clothes
- Reusable shopping bag
- Biking/walking rather than driving
- Other field

User Profile Page:

- Name
- Points required for next level
- Friends
- Action History List
- A water bottle that fills with more water as you complete tasks
- The background can change colors from brown to green as you fill up more water bottles

Feed (Toggle between friends and global):

- Downward scrolling list of friend transactions like Venmo
- Sort based on timestamp
- Cards:
 - Transactions
 - When users join
 - Achievements

Friends Search Page:

- Search for friends
- Add friends

Donate View:

- Button for people to donate

- Cycle through places to donate

Requirements:

- FUNCTIONAL:
 - As a user, I want to be able to donate money to support eco-friendly organizations.
 - As a user, I want to be able to view my progress in order to see how much I have helped the environment.
 - As a user, I want to be able to view my friend's progress in order to see how much of a difference the people in my community have made.
 - As an admin, I want to be able to ban people who are using the app incorrectly in order to maintain a positive community.
- NON-FUNCTIONAL:
 - Only users should be able to access their private data (email, demographics)
 - The app should be designed to work best on a web browser
 - The website should be able to handle up to 1,000 users at a time.
 - As the website, I want to be able to protect user's email addresses and passwords.

Project Plan (Jira board [here](#))

We grouped the project into five sprints: four two-week sprints and one one-week sprint right before launch:

Sprint 1: Database Schema & Registration (28 Sep - 12 Oct)

Database Schema & Registration 28 Sep – 12 Oct

13 0 0 Complete sprint ...

Define all tables, including what data is stored in each, and how they reference each other. Include the object types. Create db setup files t...
10 issues

<input checked="" type="checkbox"/>	EC-58 Define track-able events	IDEAS	RC
<input checked="" type="checkbox"/>	EC-57 Define achievement and level-up structure	IDEAS	LJ
<input checked="" type="checkbox"/>	EC-43 Create database that stores all of the user info	USER DB MODEL	IDEAS MT
<input checked="" type="checkbox"/>	EC-55 Define data access rights	IDEAS	MT
<input checked="" type="checkbox"/>	EC-25 Take account info input, store to DB	REGISTRATION-PAGE	IDEAS BM
<input checked="" type="checkbox"/>	EC-26 Set up DB	REGISTRATION-PAGE	IDEAS BM
<input checked="" type="checkbox"/>	EC-53 Create Express Router to Serve Each Page	IDEAS	MT
<input checked="" type="checkbox"/>	EC-54 Define API for accessing data	IDEAS	SM
<input type="checkbox"/>	EC-1 As a user I want to set up a user profile so that I can start tr...	REGISTRATION-PAGE	13 IDEAS
<input checked="" type="checkbox"/>	EC-56 Set up user authentication and browser cookies	IDEAS	SM

+ Create issue

Sprint 2: Template Frontend Pages (12 Oct - 25 Oct)

▼ Template Frontend Pages

0 0 0 Start sprint ...

Configure React to serve each page with a given URL, and style each page using dummy data. Get the basic flow of the app working with p...
12 issues

✓ EC-60 Create react router	IDEAS	SM
✓ EC-61 Create empty pages	IDEAS	SZ
✓ EC-59 Create navbar	IDEAS	MT
✓ EC-20 Display user name USER PAGE	IDEAS	LJ
✓ EC-34 Search Page frontend view FRIEND FEED	IDEAS	SZ
✓ EC-27 Registration Page frontend view REGISTRATION-PAGE	IDEAS	RC
+		
✓ EC-22 Display Friends USER PAGE	IDEAS	BM
✓ EC-23 Show an Action History List USER PAGE	IDEAS	RC
✓ EC-30 Design fronted view of feed FRIEND FEED	IDEAS	SZ
✓ EC-36 Set up frontend donate page DONATE VIEW	IDEAS	RC
✓ EC-37 Frontend view: Overall tracking page TRACKING VIEW	IDEAS	LJ
✓ EC-39 Frontend view: Dropdown metrics TRACKING VIEW	IDEAS	BM

Sprint 3: Expose API to Frontend (26 Oct - 8 Nov)

▼ Expose API to Frontend

5 0 0 Start sprint ...

Connect frontend components to the actual data in the backend by defining an API protocol. Date: Oct 26-Nov 8
8 issues

✓ EC-33 Add new user to friends list FRIEND FEED	IDEAS
✓ EC-28 Pull friends' transactions from user DB FRIEND FEED	IDEAS
✓ EC-52 Display information on organizations DONATE VIEW	IDEAS
✓ EC-46 Create access to friends' profiles from feed FRIEND FEED	IDEAS
✓ EC-38 Connect to Paypal so that users can donate DONATE VIEW	IDEAS
✓ EC-48 Track an action TRACKING VIEW	IDEAS
✓ EC-44 Connect that database to the tracking and friend feed USER DB MODEL	IDEAS
📌 EC-2 As a user I want to share my progress so that I can show my friends ... USER PAGE	5 IDEAS

+ Create issue

Sprint 4: Stylizing Frontend (9 Nov - 22 Nov)

▼ Stylizing Frontend/ Testing

000Start sprint...

Making the front end of the application look good and be more user friendly and intuitive and testing to make sure the backend and fronten...
4 issues

✓ EC-31	Suggestion algorithm	FRIEND FEED	IDEAS	...
✓ EC-21	Display the points required for the next level, in the form of a water bottle	USER PAGE	IDEAS	
✓ EC-32	Design Graphics for tracking(water bottle and plant)	TRACKING VIEW	IDEAS	
✓ EC-47	Display plant/water bottle	USER PAGE	IDEAS	

+ Create issue

Sprint 5: Debugging/Prepping for Launch (22 Nov - 30 Nov)

▼ Debugging/ Prepping for Launch

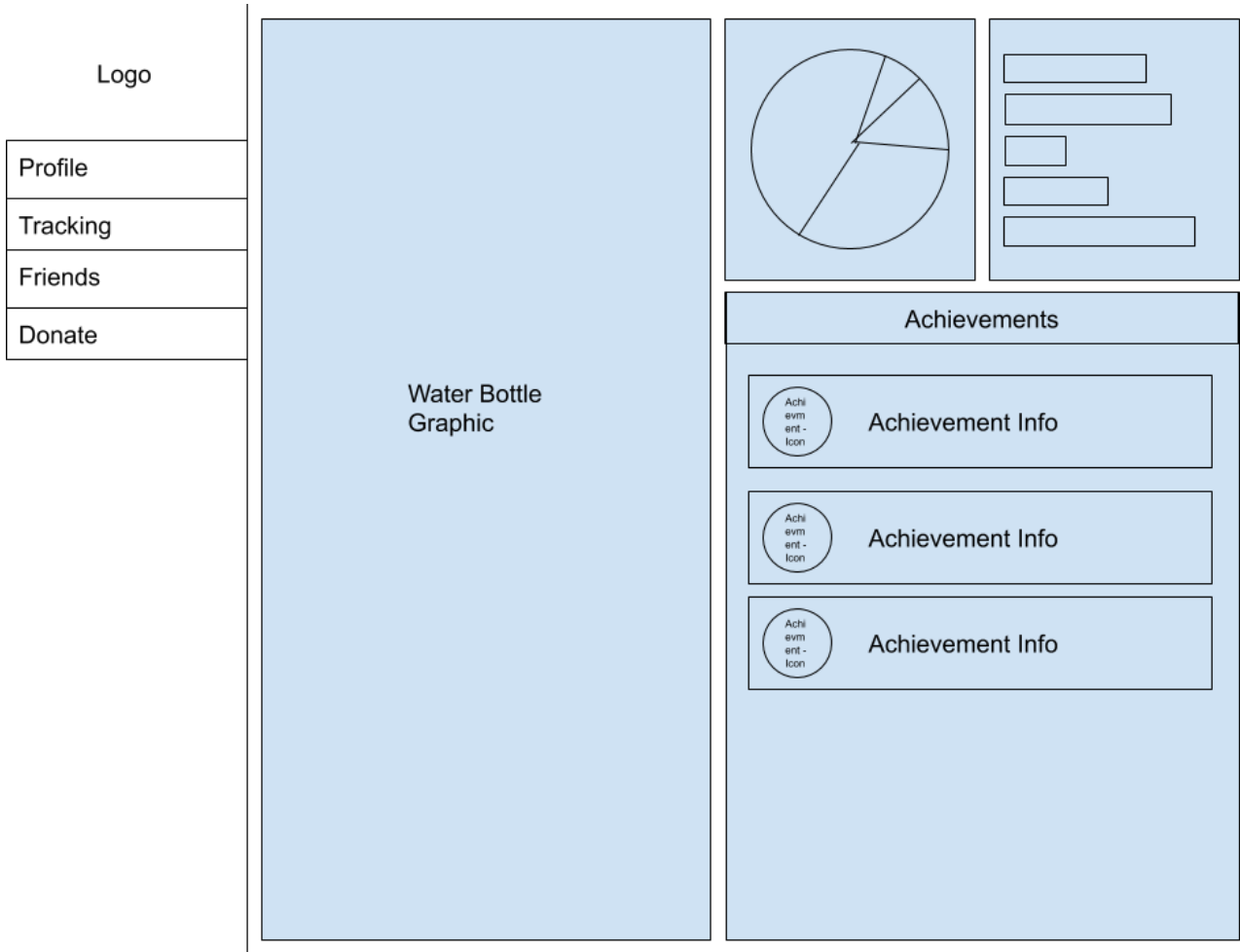
2400Start sprint...

To finalize the application by debugging any issues and having both the the front and back end ready for launch Date: Nov 22-Nov 30
9 issues

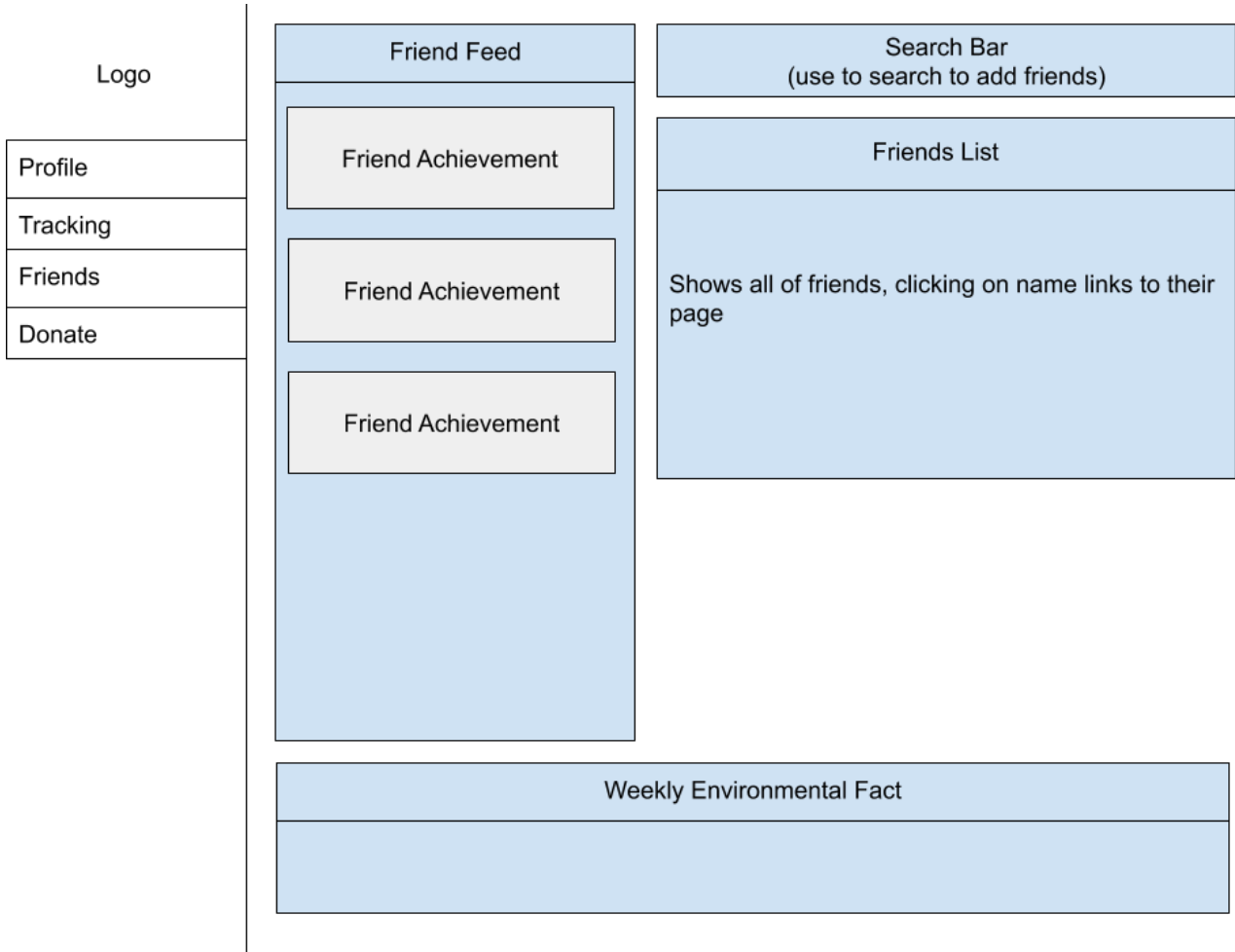
✓ EC-49	Detect fraudulent tracking activity	TRACKING VIEW	IDEAS		
✓ EC-35	Come up with metrics for measuring environmental actions	TRACKING VIEW	IDEAS		
📌 EC-7	As a user I want to have the ability to track my positive impact	USER PAGE	8	IDEAS	
📌 EC-8	As the app itself, I want to detect if people are abusing the track...	TRACKING VIEW	3	IDEAS	
📌 EC-5	As a user I want to build my biome by reaching milestones so that I ...	FRIEND FEED	5	IDEAS	
📌 EC-4	As a user I want to add a new friend so that I can connect with oth...	FRIEND FEED	5	IDEAS	...
📌 EC-3	As a user I want to compete with my friends so that I can have a co...	FRIEND FEED	3	IDEAS	
📌 EC-16	As an admin I'd like to be able to send notifications the users of the app			IDEAS	
📌 EC-17	As an admin I'd like to be able to delete content that violates terms	USER AUTH		IDEAS	

+ Create issue

Tracking Page Wireframe



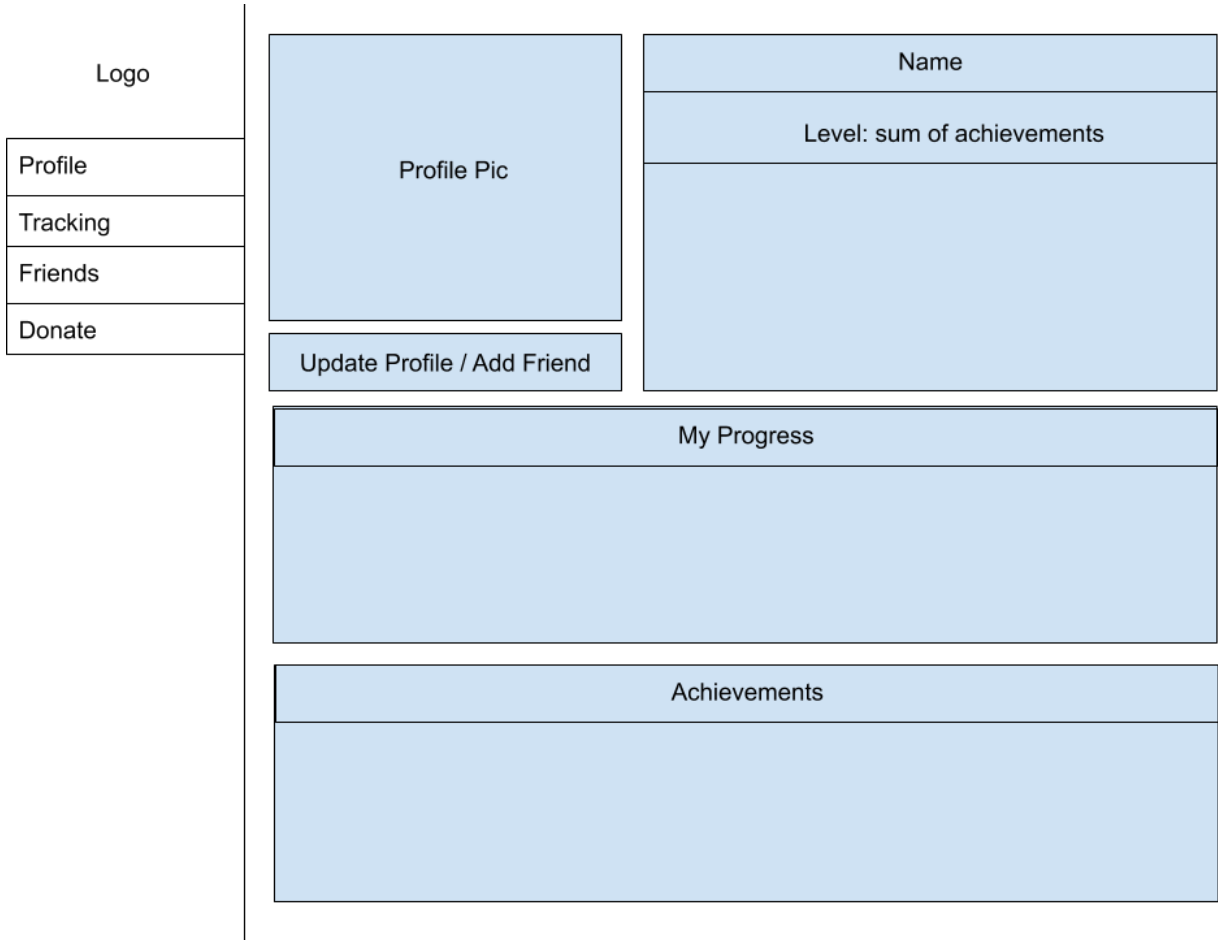
Friend Page Wireframe



Donate Page Wireframe

Logo	DONATIONS	
Profile	Organization: Info (Donation/organization of the month)	donate
Tracking		
Friends	Organization: Info	donate
Donate		
	Organization: Info	donate
	Organization: Info	donate
	Organization: Info	donate
	Organization: Info	donate
	Organization: Info	donate

Profile Page Wireframe



Individual Contributions:

Lakshya Jaishankar: Created an outline of possible wireframe ideas for the pages we are including in our application (such as the profile/registration page and the tracking page). I then worked with my group to come up with the final layouts for our wireframes. I have now been assigned to three tasks which are defining the achievement and level-up structure for users, displaying the user name, and creating the frontend view for the tracking page.

Rebecca Coryell: Helped to brainstorm ideas and potential sketches for the wireframes for different pages. Then, along with the group as a whole, finalized the ideas for the wireframes for the donation page, friend page, tracking page and profile page (with an emphasis on the donation page). Also helped the group with deciding specific tasks and functional elements for the software, the general organization of the software, as well as planning/organization on the Jira board.

Samuel Mast: Helped to come up with ideas for the page layouts and wireframes. Worked on and completed the friend page wireframe. Came up with tasks to be added to sprints on the Jira board. Helped define the sprints including what tasks would be contained within each and then how long they would last.

Charlie Koepke: Sketched outlines of possible wireframe. Finalized the wireframes with the whole group. Sorted different tasks into different sprints. The group split up to work on different page wireframes. Matt, Sarah, and I were assigned the tracking page, Sam and Lakshya were assigned the Friends page, and Brian and Becca were assigned the donate page. We all as a group worked on the wireframe for the profile page.

Brian Mayers: Helped create the donate wireframe page along with the profile page. Helped add different sprints on the Jira board. Next week, I will begin working on designing and implementing the database.

Sarah Zandle: Worked with Matthew and Charlie to create the tracking page wireframe. Collaborated with the group to further develop the proposed functionality of the website. Added tasks and worked with the group to organize the Jira board into sprints, set a project timeline, and assign tasks to individual group members.

Matthew Teta: Used create-react-app to create a basic react app shell. Worked with Sarah and Charlie on the tracking page wireframe. Sorted tasks into sprints on Jira board. Defined the app architecture with the group, and consolidated the page views, including what data is associated with which pages.