

## Sprint 2 Review

### **Summary of Accomplishments**

One of the main things we worked on was to let users manage their habits. We added views and URLs for users to complete, delete, and edit habits from the "My Habits" page. We also updated the system to track the dates when users complete habits and calculate their completion rates. We made changes to track missed habits and current streaks as well, so users can see how well they are doing.

We also worked on improving the profile pages. To make the user system more comprehensive, we updated the "Edit Profile" view to allow users to make changes to their profile information. They can now edit their name, birthday, bio, as well as change their password.

We improved the design of the website by making small CSS changes like changing how lists look like, formatting and alignment, using different tags, style sheets, and base html, to improve the user experience when navigating the website.

We also made some backend improvements by expanding the habit model to track the days when habits are completed and not completed, calculating completion rate and streaks. This helps users see their progress. But it also really helps us since we have now set up some important backend functions related to the habit model. We can use those functions later to make implementing future features much easier.

### **Challenges and Roadblocks**

The habit completion tracking only marked habits as completed without recording specific dates, which made it hard to track progress. We made the system to track the date of each habit completion now so it will return a list of dates. This lets the system figure out when each habit was or wasn't completed, and can use that data to further calculate other stats.

The "Edit Profile" page was trying to retrieve and show the user's password which caused an error since the passwords are hashed. We fixed this by adjusting the view so it doesn't try to do that and now users can just go to the specific page for changing their password.

### **Client/Stakeholder Feedback**

They liked the new habit tracking features, especially the ability to track completion dates and calculate completion rates. They also liked the profile improvements, such as the ability to add and edit bios, which made the app feel more personal.

## Sprint 2 Review

They suggested that the habit management pages could use some more styling to make them easier to use. They also recommended adding notifications or indicators for missed habits and current streaks to keep users engaged.

Based on this feedback, we plan to improve the UI in the next sprint and consider adding notifications for habits. We also want to explore the possibility of sending an email to the user for these notifications. We also want to add a calendar for the habits as a more visual representation. In further sprints we'll focus on gamification, deeper analytics, and the multiplayer aspect of the website.