

Progress Report

- Increment 2 -

Group #7

Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.

1) Team Members

*Please write the **name** of all the team members, their **FSU IDs**, and **GitHub IDs** here.*

Madelyn Yarber, mdy21, MadelynYarber

Meghan Cox, mjc21k, megcoxx

Jacqueline Vermette, jrv23a, JacquelineV-rose

2) Project Title and Description

Briefly describe your project.

Habit Tracker.

Our project is a habit tracker and task manager in development. The goal of our project is to have a fully developed habit tracker that will allow the users to log on to their account or register an account. After login, then the user will be directed to their habit tracker. Within the habit tracker, the user should be able to view, create, edit, and delete habits that can be assigned daily, weekly, monthly, or not repeat. The program will record the completed habits and show data based on it. We want there to be a lot of user interactivity and customization.

3) Accomplishments and overall project status during this increment

Describe in detail what was accomplished during this increment and where your project stands overall compared to the initial scope and functionality proposed.

Our project is currently well in the development stages. We have a working backend API for both users and habits. The login and register page is functional and even shows alerts for incorrect or blank information. The dashboard displays the habits (daily, weekly, monthly) for the user who is logged in. There is a motivational quote generator on dashboard that should stay the same throughout the whole user session but can be refreshed by hitting a refreshed button. The notes section is implemented and functional for each user. The navigation menu is fully working with buttons and drop-down sections. The user can now create, edit, and delete habits on fully functional pages. Overall, I would say we are right in the middle of development, however, if possible we do have many ideas we would like to implement if time allows.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Please describe here in detail:

- anything that was challenging during this increment and how you dealt with the challenges

- any changes that occurred in the initial plan you had for the project or its scope. Describe the reasons for the changes.
- anything that went wrong during this increment

A big challenge for me (Madelyn Yarber) was trying to work with the MudBlazor color picker for the sections in dashboard. I struggled for many hours on this issue. I didn't deal with it fully; however, I got halfway there with the color picker for each section popping up. After that I consulted with my team, and we decided to work with other functionalities before we plan to eventually tackle it together. While the challenge wasn't fully dealt with, it was nice to see that the challenge did not have to be faced alone. One challenge that we are currently facing is the discussion of trackers (sleep tracker, water tracker, etc) that we might add for Increment 3. We are currently dealing with this challenge through discussions and diagrams to see what would be the best setup when it comes to backend development.

A big challenge that I faced (Jacqueline Vermette) was trying to get the authentication to work with the login and register pages. I could not for the life of me figure out how to restrict users from accessing the dashboard when they logged in. I was able to redirect so that login popped up when you accessed the app, however it still had the dashboard on the side. On top of that, I tried multiple different packets and methods to restrict users to not be able to access /dashboard. However, after having to scrap multiple hours I was able to figure out how to do it. The problem I was having was editing app.razor when I needed to be editing mainlayout.razor. I also had troubles connecting to the server for the API. With this, I just needed to add a simple bool to redirect users to the login and register pages themselves and also added on the app.razor a protected token so that when the session starts the user must login or register. The problem was not editing the mainlayout.razor with the app.razor.

A big challenge for me (Meghan Cox) was still this remote database setup. Right now I have MySQL running in a docker compose container, then forwarding that port through a tool called ngrok to a remote location. This means I have to keep my docker container running and ngrok running every time someone wants to use something that involves the API. I can't even let my computer sleep. If I do turn it off I have to restart ngrok, which causes the connection string to change for everyone.

5) Team Member Contribution for this increment

*Please list each individual member and their contributions to **each of the deliverables in this increment** (be as detailed as possible). In other words, describe the contribution of each team member to:*

*a) the **progress report**, including the sections they wrote or contributed to*

Madelyn Yarber did the progress report and filled out each section. Both Jacqueline and Meghan reviewed and edited.

*b) the **requirements and design document**, including the sections they wrote or contributed to*

Jacqueline Vermette has done the RD template and filled out each section. Madelyn and Meghan reviewed and edited

*c) the **implementation and testing document**, including the sections they wrote or contributed to*

Meghan Cox did the implementation and testing document and filled out each section. Both Madelyn and Jacqueline reviewed and edited.

*d) the **source code** (be detailed about **which** parts of the system each team member contributed to and **how**)*

Madelyn Yarber did the dashboard layout, including the grid for each of the habits to display, the editable Notes, and the section for motivational quotes. I also worked on the navigational menu on the drop-down bar

for Edit Habits include create, edit and delete habits. For Increment 2: I created the pages and implemented the working functionality for create, edit, and delete habits. I worked on displaying the habits in their correct section on dashboard. I also got the motivational quotes fully implemented and working. I also created a page called Habit List which displays a list of all the habits. I also worked on fixing the warnings for a cleaner build.

Meghan Cox did the API, the Navigation, and the database design. She set up the configuration for Docker and the container for MySQL so everyone can access the database. She also set the navigation functionality and menu up. She set up the API which was needed to access the JSON information that was passed through the server from an HTTP request. She also did the layout for the data page. She also set up the requests/backend for notes and habits to tie them back to a UserID. She also made errors in the register page for invalid inputs. She also set up the settings page.

Jacqueline Vermette did the backend of the login and register pages. She redirected the pages so that users are prompted to login or register before gaining access to the habit tracker app. She also restricted access unless logged in. She also added a small loading screen for register, login, and all the dashboard tabs.

e) the video or presentation

All of the team members contributed to the video. We all discussed the different topics that we were required to go over. Meghan recorded the demo.

6) Plans for the next increment

If this report is for the first or second increment, describe what are you planning to achieve in the next increment.

For the next increment we plan to achieve:

- Cleaning up and making the UI visually appealing
- Possibly setting up some logs/trackers (sleep trackers, fitness log, water tracker, etc)
- Adding more user personalization
- Getting a working data page
- Allow the user to export a PDF of the data page and list of habits (maybe a printed calendar too)
- Possibly allowing custom intervals for the habits
- Getting a calendar working

7) Stakeholder Communication

Draft an email communication to the stakeholders of the project succinctly communicating progress and current project status. The email should be intended for a non-technical audience that is expertly aware of the domain your application is designed for. You may not “break the fourth wall” or otherwise refer to the course in the email, instead, you should think about how setbacks or issues you encounter may reflect setbacks that happen in the larger context of production software development and explain them as such. The email should not exceed 500 words.

Dear Stakeholders,

We are glad to announce that our Habit Tracker is currently running and in progress. Our Habit Tracker and Task Manager is a web API meant for user interactivity, customization, and convenience. We are now in the middle stages of development. We have a fully implemented login and register page for any user wanting to take part in our project. We want to assure that we security measures as we hash all user passwords. We have a main page that will display your daily, weekly, and monthly habits. On the main page there is even a little section for a randomly generated motivational quote that you can either refresh or keep throughout your session. The user has fully control on being able to create, edit, or delete their habits at any time. We continue

to ask for your patience. We have many features currently implemented and we plan to continue making our fully functional habit tracker.

8) Link to video

<https://youtu.be/lwE6u4gGdBM>