Progress Report

- Increment 2 -
Group #2

Authors :

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1) **Team Members**

- *Daivion Brooks* - ***FSU ID: dlb22e / GitHub ID: dbrooks11***
- *Brooks Berry* – ***FSU ID: blb16m / GitHub ID: brooksberry10***
- *Jason Lee* – ***FSU ID: jsl23e / GitHub ID: JasonLee4489***
- *Nadav Peper* – ***FSU ID: np22bd / GitHub ID: nadavp5***
- *Nandagopal Nair* - ***FSU ID: nn22e / GitHub ID: nanduf***

2) **Project Title and Description**

Title *: Med Assist App*

Description: The purpose of this app is to act as a daily assistant for medical patients, offering a set of features designed to optimize medical practices. It allows the user to add daily symptoms and treatment trackers, graphs for trend, and a find a doctor feature.

3) **Accomplishments and overall project status during this increment**

Accomplishments*: During this increment, the team focused on maintaining and preparing the project for future development. Bug fixes were addressed, and updates were made to ensure the backend aligned with the current database schema. Documentation was organized and updated to reflect the latest structure and functionality. Overall, minor adjustments and maintenance tasks were completed to keep the project on track.*

Overall Project Status*: Compared to the initial project scope, the application's core features logging symptoms, treatments, and food logs remain functional. New development was limited during this increment due to other academic commitments, but the project is still on track. The backend and frontend structures are stable, testing procedures are defined, and preparations for upcoming features have been made, ensuring the project is ready for future increments.*

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

Challenges: According to the project's progress, the scope has expanded significantly, leading to difficulties in management.

Changes in Plan/Scope: None in particular.

Issues Encountered: There was insufficient time to make significant improvements to the project.
Bug encounters slowed development

5) **Team Member Contribution for this increment**

Daivion Brooks :

Progress Report: Contributed to the accomplishments, project status, & stakeholder communication

RD: Updated the assumptions and non-functional requirements

IT: Updated executional based functional testing section

Source Code: Added additional roots for necessary models

Brooks Berry :

Progress Report: Contributed to the plans for the next increment

RD: Contributed to the functional requirements and overview,

IT: Contributed to the Non-Execution-based Testing, Execution-based Functional Testing, Platforms, APIs, Databases, and other technologies used, Programming Languages

Source Code: did full code review of inc 1 and addressed bugs in issues #17, #18, #20,, #23

Jason Lee :

Progress Report: Contributed to the whole 'Challenges, changes in the plan and scope of the project and things that went wrong during this increment' part.

RD: Contributed to the 'dependencies' part, updating and revising some concepts.

IT: Contributed to the 'Execution-based Non-Functional Testing' section adding new tests.

Source Code: Fixed errors on schema.sql in order to make it consistent with the ORM. Addressed issue #15.

Nadav Peper :

Progress Report: Contributed to the plans for the next increment

RD: Contributed to the overview/frontend section

IT: Contributed to the platforms section for the frontend

Source Code: Added backend API integration to the profile page, added a toast library for smooth notifications, add an update_user_info route, cleaned up the .gitignore for the frontend, created and designed treatments, symptoms, and food logs pages, created a logging section for the navbar. Closed issues #16 and #21 as well as adding a route that wasn't mentioned in the issues.

Video: Created the entire video

Nandagopal Nair :

Progress Report: Planned and began testing of backend routes using REST Client and PowerShell. Helped verify the treatment CRUD endpoints and confirmed that registration and login (username + email) were working as expected.

RD: Reviewed the backend setup section and planned to contribute to API documentation improvements and environment setup clarification for new developers.

IT: Started outlining a testing flow for backend endpoints to ensure consistency in future increments, focusing on simplifying setup and making repeatable local tests for reviewers.

Source Code: Worked on backend testing of authentication and treatments routes, verified database connectivity, and identified the cause of `/api/auth/login-email` *errors.*

6) Plans for the next increment

Integrate the logging pages with the backend
Finish the home page so it's not bland
Take away temporary place holders on profile page and load user data instead
Ensure data persistence across pages and login sessions
Finalize schema/models
Implement data visualization through graphs and calender views
Finish all frontend
Address all problems/bugs

7) Stakeholder Communication

***Dear Stakeholders**,*

We are pleased to share an update on the progress of the Med Assist application. Our team has been working diligently to maintain and enhance the platform, and we are excited to report the progress achieved during this increment.

Over this development cycle, we focused on refining and stabilizing the existing core features. Key accomplishments include addressing bug fixes, ensuring that the backend remains aligned with the current database schema, and updating documentation to reflect the most recent structure and functionality. Additionally, a project video was created to summarize and communicate our progress effectively. These efforts, though less feature-intensive than previous increments, were essential in preparing the application for upcoming enhancements and ensuring overall stability.

While the scope of new features was limited this increment due to a busy academic period, our team maximized contributions by maintaining a clean and stable development environment, reviewing and preparing the foundation for future functionalities, and ensuring all existing components remain functional and reliable.

Looking ahead, our next phase will focus on expanding the application's functionality and improving user experience. Specifically, we plan to:

- *Provide full control over recorded data by allowing users to update and remove entries.*
- *Enhance navigation so patients can move more easily between different areas of the app.*
- *Improve the interface design to make it more engaging and accessible.*
- *Begin incorporating data visualizations so patients can clearly see trends in their symptoms and treatments.*

We remain committed to delivering a product that empowers patients to actively manage their health. The work completed during this increment has strengthened our foundation and prepared the application for the next stage of development. We appreciate your continued support and look forward to sharing further updates as the project progresses.

8) Link to video

https://www.youtube.com/watch?v=fPWzgdrxl98