

Progress Report

- Increment 3 -
Group #2

Authors :

*Daivion Brooks
Brooks Berry
Jason Lee
Nadav Peper
Nandagopal Nair*

1) Team Members

- *Daivion Brooks - FSU ID: dbl22e / 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: Backend for lab logs fully implemented. Backend for treatments, symptoms and food logs updated to address bugs. Fully connected backend crud to frontend endpoints with data persistence across sessions for treatments, profile, symptoms, and foodlogs. Updated much of the UI for a more consistent and polished user experience. Added pdf exporting featureNumerous bugs and issues were addressed. Security updates for routes. Standardized error messaging for consistency in user experience. Addressed numerous other bugs. Added the backend API endpoints for Labs.

Overall Project Status: While the team did not fully complete all planned items, we reached a solid final state of the application. The core functionality of the CRUD application is complete, with a user-friendly interface, security features, and an option to export data to pdf.

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

Challenges: A sizable and complex project codebase.

Changes in Plan/Scope: Scope slightly reduced from CRUD Web application + 5 extra core features (Security, pdf export, doctor search, calendar listing, data trends) to CRUD Web application + 2 extra core features (Security and pdf export)

5) Team Member Contribution for this increment

Daivion Brooks :

Progress Report: Did the stakeholder email.

RD: N/A

IT: Contributed to platforms and other technologies

Source Code: Added user data exporting route and helpers for data formatting and PDF generation.

Brooks Berry :

Progress Report: Contributed to the accomplishments, overall project status, and change in scope.

RD: Contributed to the overview, functional requirements,

IT: Contributed to Execution based functional testing

Source Code: Frontend crud integration for Treatments, Food logs, and Symptoms (issues #30 and #42). Fixed numerous problems in backend routes for symptoms and foodlogs. Updated some UI elements. Added date helper and contributed to date bug fix. Other minor fixes.

Jason Lee :

Progress Report: Contributed to the 'Accomplishments and overall project status' section adding the accomplishments for this incrementation, and 'Challenges, changes in the plan and scope' section by adding a challenge during this incrementation.

RD: Contributed to the 'Dependencies' section by adding and revising the dependencies for this project in accordance with the current state of the codebase.

IT: Contributed to the 'Execution-based Functional Testing' section by writing additional tests that have been done.

Source Code: Implemented the backend routes for Labs and updated overall in accordance with it, in order to enable CRUD operations, ensuring consistency with existing code. Addressed issue #15.

Nadav Peper :

Progress Report: Contributed to accomplishments

RD: Did not contribute

IT: Did not contribute

Source Code: Fully implemented and fixed multiple bugs. Issue #35 (Fix Inconsistent Date Handling w/ Backend), #32 (Update Feature: Home Page), and #38 (Update Feature: User Info & Registration Page)

Nandagopal Nair :

Progress Report: Contributed feedback to the team regarding frontend integration gaps and identified missing user-facing components that would enhance usability.

RD: Contributed to functional and non-functional requirements.

IT: Contributed to non executional testing

Source Code: Implemented the frontend PDF download feature, adding a dedicated "Export Your Data" section to the Profile page.

6) Plans for the next increment

This is the last increment.

7) Stakeholder Communication

Dear Stakeholders,

We are excited to present the final progress update for the Med Assist application. Over the course of this final development increment, our team focused on completing core functionality, improving system integration, and delivering features that align closely with the original project vision.

During this phase, we successfully completed full integration of key application components, including food logs, symptoms, and treatments. These features are now fully connected across the backend and frontend, allowing users to seamlessly log, view, and manage their medical information in one centralized platform. Additionally, users can now update their personal account information, improving flexibility and overall user control.

A major accomplishment in this increment was the implementation of a downloadable PDF feature, which allows users to export all of their recorded medical data. This enhancement adds real-world value by enabling users to retain, share, or review their information outside of the application. To support these additions, new pages were created and application navigation was improved, resulting in a clearer and more intuitive user experience.

With these final updates, Med Assist now meets the core scope and functionality outlined at the start of the project. The system provides secure user authentication, reliable data storage, integrated medical logging, and meaningful data access through exports. The application is stable, functional, and prepared for potential future expansion.

In conclusion, this final increment represents the completion of the Med Assist project as initially proposed. We are proud of the progress made and confident that the application demonstrates a strong foundation, thoughtful design, and practical usefulness for end users. Thank you for your continued support throughout the development process.

8) Link to video

https://youtu.be/3QYCr_E06io