

Project Status Report II

Date of Report Issue/Prepared: March 13, 2026

Report Prepared By: Uzma Shaikh

Team Members: Aidan Repchik, Jayden Lewis, & Uzma Shaikh

Project Name:	SipSip - Plant Care Mobile App	
Project Team :	13	
Period Reporting:	Start Date: Feb 07, 2026	End Date: Mar 13, 2026
Overall Project Health	Green (Good) / Yellow (Warning) / Red (Bad)	

Summary

Project Status Summary
During this reporting period, the team successfully completed the core UI enhancement package and made solid progress on the underlying app architecture. The focus was on building and refining the main screens, navigation flow, and local data structures to support future feature development. The application now has a complete navigation structure with all major screens implemented and an initial data layer design ready to be wired to real services later. The team also focused on UI polish, including layout spacing, icon consistency, and accessibility improvements. Together, these changes have created a stable and visually consistent foundation for adding camera-based plant identification, reminders, and other advanced features in the next sprint.

Accomplishments As Planned	Planned but not Accomplished
----------------------------	------------------------------

- Completed Top Action Bar Search implementation with expandable input functionality - Finalized Dashboard Filter Bar with Today, Upcoming, and care-type filtering logic - Implemented collapsible/expandable rooms in Plant Collections with smooth animations - Added contextual menus for rooms and individual plants with full functionality - Completed Notification filtering system (All, Today, Completed) with proper timestamp formatting - Conducted comprehensive UI polish pass for spacing, icon visibility, and accessibility - Established API service interfaces - Created Perennial, Google Vision, and OpenMeteo API service definitions - Implemented complete data layer architecture with Room database and repository pattern - Added dependency injection using Hilt for improved code maintainability - Created comprehensive navigation system with all major app screens - Built network infrastructure with Retrofit configuration and HTTP logging	- Functional API integrations - Service interfaces created but no working API calls implemented - Camera-based plant identification - UI ready, but image processing and API integration pending - Google Vision API implementation - Only empty service class exists, no actual integration - Weather data integration - OpenMeteo API service prepared but no implementation - Plant search functionality - API repository exists but not connected to UI - User Manual updates - Screenshots and documentation need updating for new UI changes - Household member count calculations - Backend logic needs implementation
--	---

Upcoming Objectives for **Mar 14, 2026 to Apr 02, 2026**

Planned Activities/Tasks for Next Period			
Activity/Task	Assigned To <name/s>	Duration <days>	Date
Implement working API integration for plant search	Jayden Lewis + Uzma Shaikh	1 week	Mar 14–Mar 21
Complete camera functionality and image URI handling	Aidan Repchik	1 week	Mar 14–Mar 21
Implement Google Vision API for image processing	Uzma Shaikh	1.5 weeks	Mar 22–Apr 02
Integrate OpenMeteo weather API for plant care recommendations	Jayden Lewis	1 week	Mar 17–Mar 24
Connect plant search API to Care Tips screen	Jayden Lewis	4 days	Mar 25–Mar 30
Complete household member management features	Aidan Repchik	5 days	Mar 22–Mar 28
Comprehensive testing and bug fixes	All Team	1 week	Mar 29–Apr 02

Milestones for Next Period

Milestone (Objective)	Assigned To	Delivery Date
Working plant search with API	Jayden Lewis	Mar 21, 2026
Functional camera image capture	Aidan Repchik	Mar 21, 2026
Weather-based plant care recommendations	Jayden Lewis	Mar 24, 2026
Complete plant identification workflow	Uzma Shaikh & Aidan Repchik	Apr 02, 2026
Updated User Manual with all new features	Uzma Shaikh	Apr 01, 2026
Sprint completion and instructor demo	Entire Team	Apr 02, 2026

Managing Issues and Risk (for current reporting period and next period)

Issues/Problems	Resolution Strategy	Due Date
API services exist but no functional integration with UI components	Implement repository pattern connections and ViewModel integration	Mar 21, 2026
Camera image capture not creating proper URI for processing	Implement proper file provider and URI creation logic	Mar 18, 2026
Plant identification screen shows placeholder "coming soon" message	Connect API search to Care Tips and remove placeholder logic	Mar 25, 2026
Google Vision and OpenMeteo APIs are empty service classes	Implement actual API endpoint definitions and response handling	Mar 30, 2026
Navigation parameter passing for plant data	Update navigation arguments and data passing mechanisms	Mar 22, 2026

between screens needs implementation		
--------------------------------------	--	--

Upcoming Risks	Risk Ranking (Hi, Med, Low)	Risk Impact (Hi, Med, Low)	Mitigation Strategy
HI	Medium	API rate limits and costs – Monitor API usage and implement caching strategies	Medium
Medium	High	Camera permissions and device compatibility – Implement comprehensive permission handling and device capability checks	Medium
Medium	Medium	Image processing performance on older devices – Add image compression and processing optimization	Low
Medium	Low	Network connectivity issues affecting API calls – Implement offline mode and proper error handling	Medium
Low	Low	User adoption of new identification features – Provide clear tutorials and intuitive UI design	Low

NOTE: Attach additional sheets if insufficient space available