

Sprint One Plan - GrowMyGarden

Team: Chris Fang, Justin Valdez, Gavin Leach, Nuha Fakrudeen

Sprint Completion Date: October 21, 2025

Revision Number: 1.0

Revision Date: October 16, 2025

Goal: Develop the core foundation of the Grow My Garden app by implementing plant organization (adding plants to user dashboard) and personalized care reminder features. Establish a shared Git repository, CI/CD pipeline, and gain familiarity with Swift, XCode, and Kotlin environments.

Task List:

1. As a user, I want to create a list of my existing plants so that I can organize them in one place.
 - a. Set up development environments (2 hours)
 - b. Create Git repo and project structure (0.5 hours)
 - c. Establish branching and commit guidelines (0.5 hours)
 - d. Configure CI/CD pipeline for automated builds and tests (1.5 hours)
 - e. Create example model/drawing for UI (1 hour)
 - f. Create UI for seeing plant list (2 hours)
 - g. Create UI for adding plants to list (2 hours)
 - h. Add backend implementation for persistence (3 hours)

Total Hours: 12.5

2. As a user, I want a reminder of when to water/change soil/trim my plants so that they don't die
 - a. Create UI for adding care reminders for plants (3 hours)
 - b. Create UI for marking off reminders when completed (2 hours)
 - c. Implement notification system (3 hours)
 - d. Create backend to persistently store current reminder tasks (Optional 1.5 hours)
 - e. Test reminder creation (1 hour)

Total Hours: 9 - 10.5 hours

Team Role:

- Nuha Fakrudeen: Product Owner, Frontend
- Chris Fang: Scrum Master, Frontend

- Gavin Leach: Backend Developer
- Justin Valdez: Backend Developer

Initial Task Assignments:

- Nuha:
 - Frontend UI for user story 1 and 2 (primarily focusing on story 1)
 - set up Apple Developer
 - learn Swift/Xcode
 - set up git repo.
- Chris:
 - Frontend UI for user story 1 and 2, primarily setting up UI for reminders
 - set up development interfaces
 - learn Swift/Xcode
- Justin: Work on interactions with phone reminder/scheduler
- Gavin:
 - Initial KMP setup
 - learn KMP'
 - add backend implementation for persistence
 - Configure CI/CD pipeline for automated builds and tests

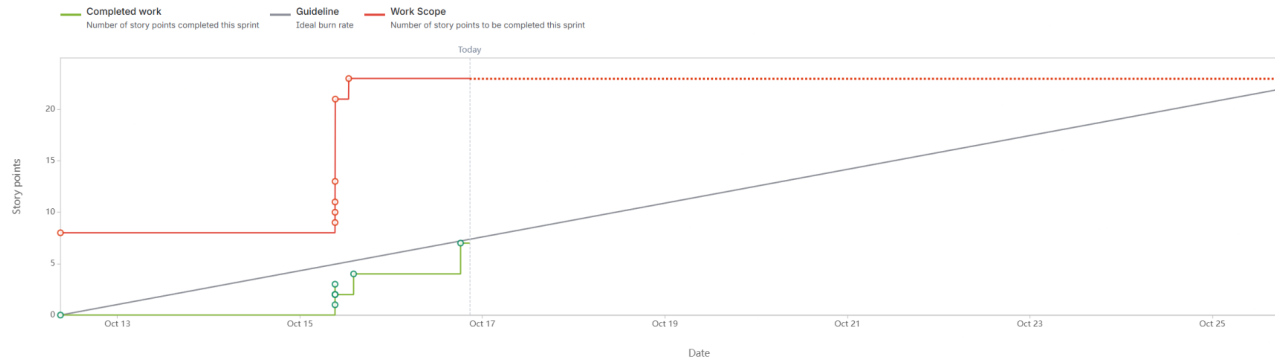
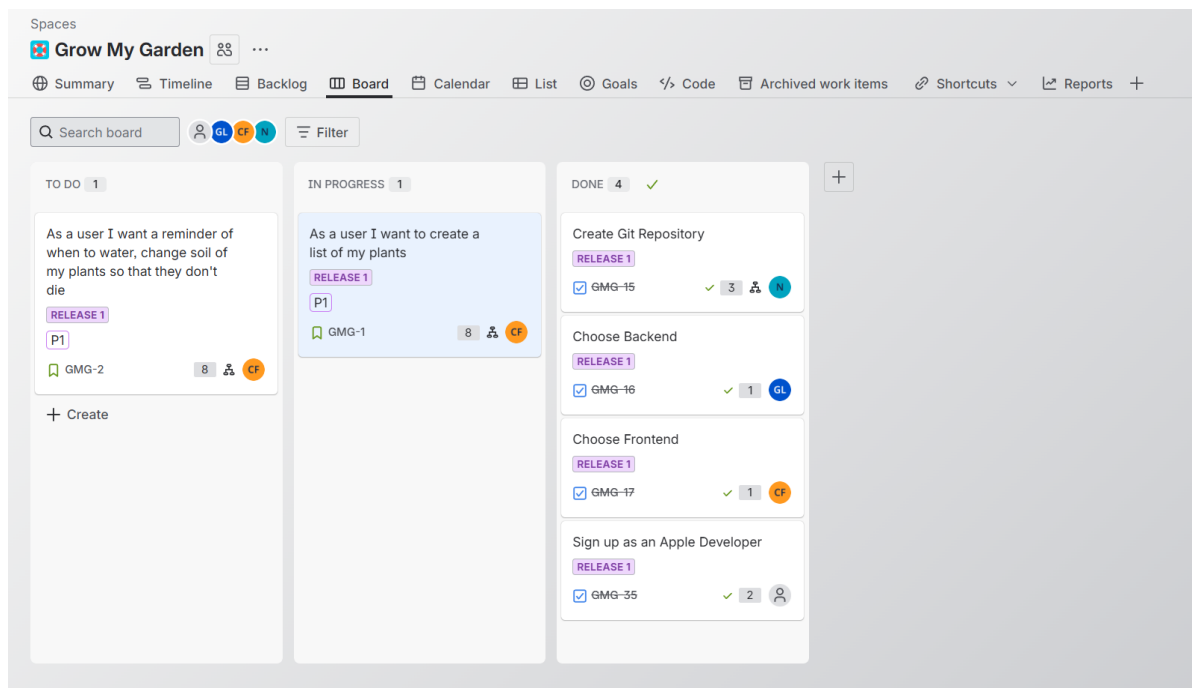
Initial Burnup Chart:

Burnup report[How to](#)

Sprint Sprint 1 Estimation field Story points

Date - October 12th, 2025 - October 26th, 2025

Sprint goal - Basic reminder app

**Initial Scrum Board:****Scrum Times:**

- Saturdays anywhere around 12PM - 6PM
- Mondays between 9AM - 10:30AM

- Wednesdays between 9AM - 10:30AM (W/ TA)
- Fridays between 9AM - 10:30AM