

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:

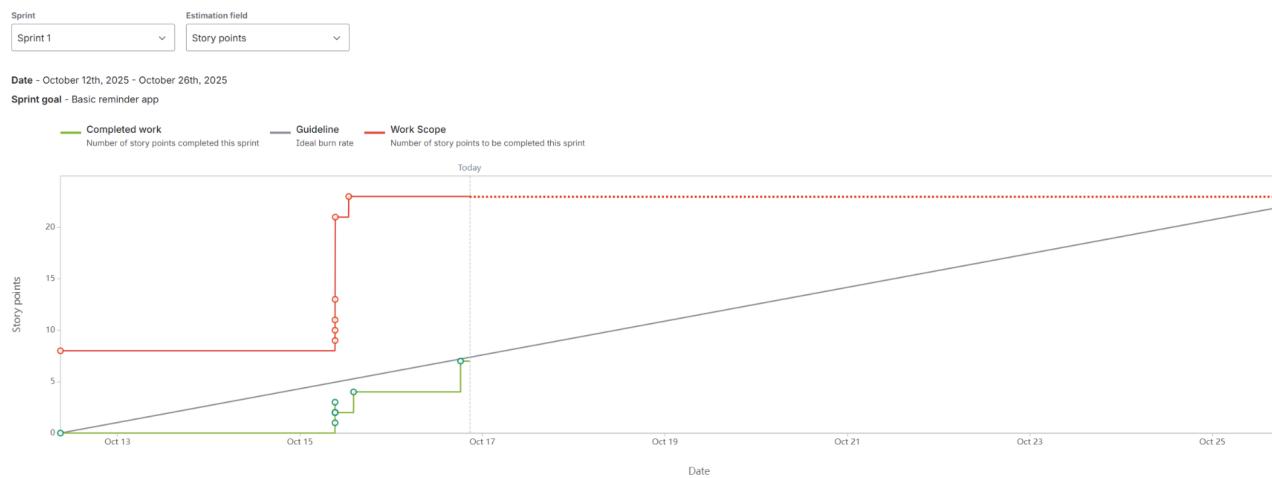
- Nuha Fakrudeen: Product Owner, Frontend
- Chris Fang: Scrum Master, Frontend

- 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:



Initial Scrum Board:

Grow My Garden

- Summary
- Timeline
- Backlog
- Board**
- Calendar
- List
- Goals
- Code
- Archived work items
- Shortcuts
- Reports
- +

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TO DO	IN PROGRESS	DONE
<p>As a user I want a reminder of when to water, change soil of my plants so that they don't die</p> <p>RELEASE 1</p> <p>P1</p> <p>GMG-2</p> <p>+ Create</p>	<p>As a user I want to create a list of my plants</p> <p>RELEASE 1</p> <p>P1</p> <p>GMG-1</p>	<p>Create Git Repository</p> <p>RELEASE 1</p> <p>GMG-15</p> <p>Choose Backend</p> <p>RELEASE 1</p> <p>GMG-16</p> <p>Choose Frontend</p> <p>RELEASE 1</p> <p>GMG-17</p> <p>Sign up as an Apple Developer</p> <p>RELEASE 1</p> <p>GMG-35</p>

Scrum Times:

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

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