

Sprint Two Plan - GrowMyGarden

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Goal: The goal for this sprint is to develop and implement a secure login system that allows users to access their personal profiles and plant information stored in a remote database. The team will also set up the database and server infrastructure to support user authentication and data management.

Task List:

1. As a user, I want to be able to login to view my own personal information
 - a. Design login screen UI (4 hours)
 - b. Design logout UI (2 hours)
 - c. Set up an authentication system (6 hours)
 - i. Connect login system to remote user database (2 hours)
 - ii. Implement user session management and logout feature (2 hours)
 - iii. Test login functionality and data retrieval (2 hours)

Total Hours: 18 hours

2. As a user, I want to be able to look up a plant and get the growing information on it. (ONLY FRONTEND FOR NOW)
 - a. Design the plant lookup page layout (1 hour)
 - b. Create the search bar and results section (2 hours)
 - c. Build display components for plant info (5 hours)
 - d. Style and make the page responsive (3 hours)
 - e. Test the layout and user flow (2 hours)

Total Hours: 13 hours

3. As a user, I want to take photos of my plants to better organize my plants
 - a. Create Local Image Store (2.5 hours)
 - b. Sync Images to User Accounts (4 hours)
 - c. ~~Create Image Display w/ Plant on UI (2 hours)~~
 - d. ~~Get User File Permissions (1 hour)~~

Total Hours: 5.5 hours

Continued from Sprint 1

4. As a user, I want to create a list of my existing plants so that I can organize them in one place.
 - a. ~~Create UI for seeing plant list (2 hours)~~
 - b. ~~Create UI for adding plants to list (2 hours)~~
 - c. Add backend implementation for persistence (~~3 hours~~ 1 hour left)
 - d. Integrate Backend & Frontend Data (2 Hours)

Total Hours: 3

5. 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: 12.5

Team Roles:

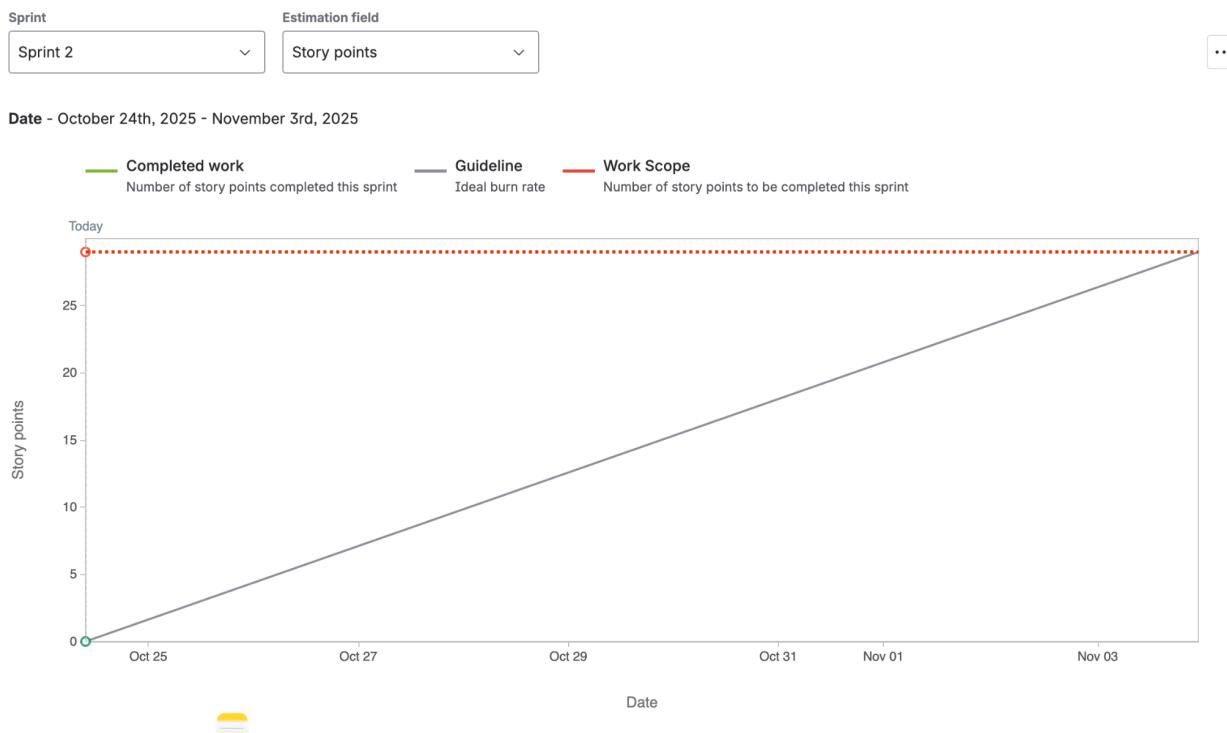
- Nuha Fakrudeen: Product Owner, Frontend
- Chris Fang: Frontend & Backend developer
- Gavin Leach: Scrum Master, Backend Developer
- Justin Valdez: Backend Developer (maybe)

Initial Task Assignments:

- Nuha:
 - Primarily focused on user story 1 and 2
 - Design Login UI
 - Design Logout UI
 - Test UI
 - Continue making cleaner code
- Chris:
 - Finalize backend reminders
 - Implement Notification system

- Create backend to persistently store current reminder tasks
- Test reminder creation
- Catch up on Justin's work and take over
- Justin: n/a
- Gavin:
 - Add backend implementation for persistence
 - Integrate Backend & Frontend Data
 - Create Local Image Store
 - Sync Images to User Accounts
 - Set up an authentication system (6 hours)
 - * Connect login system to remote user database (2 hours)
 - * Implement user session management and logout feature (2 hours)
 - * Test login functionality and data retrieval (2 hours)

Initial Burnup Chart:



Initial Scrum Board:

The screenshot shows a Jira Scrum board for the project "Grow My Garden". The board has three columns: "TO DO" (2 items), "IN PROGRESS" (2 items), and "DONE" (1 item). Each item card contains a summary, key, priority, and a "Create" button.

Column	Item Summary	Key	Priority	Status
TO DO	As a user I want to be able to create an account so I can manage my plants from any device	GMG-33	P1	TO DO
TO DO	As a user I want to take photos of my plants to better organize my plants	GMG-5	P1	TO DO
IN PROGRESS	As a user I want to create a list of my plants	GMG-1	P1	In Progress
IN PROGRESS	As a user I want a reminder of when to water, change soil of my plants so that they don't die	GMG-2	P1	In Progress
DONE				Done

This screenshot shows a detailed view of the "TO DO" column for the task GMG-33. It lists three sub-tasks: "Create Login Page", "Create User Login Server", and "Sync Local User Plant Database with Remote Databases". Each sub-task has its own key and a "Create" button.

Sub-Task	Key	Status
Create Login Page	GMG-38	TO DO
Create User Login Server	GMG-39	TO DO
Sync Local User Plant Database with Remote Databases	GMG-40	TO DO

Scrum Board View:

The image shows three separate scrum boards stacked vertically, each representing a user story. Each board has three columns: TO DO, IN PROGRESS, and DONE.

- GMG-5: As a user I want to take photos of my plants to better organize my plants (4 subtasks)**
 - TO DO:** 2 items
 - Create Local Image Store (GMG-41, GL)
 - Sync Images to User Accounts (GMG-42, GL)
 - IN PROGRESS:** 0 items
 - DONE:** 2 items
 - Create Image Display w/ Plant on UI (GMG-43, ✓)
 - Get User File Permissions (GMG-44, ✓)
- GMG-1: As a user I want to create a list of my plants (4 subtasks)**
 - TO DO:** 1 item
 - Integrate Frontend & Backend Data (GMG-46, GL)
 - IN PROGRESS:** 1 item
 - Create Database to Store Plants Locally (GMG-26, 3, GL)
 - DONE:** 2 items
 - Create UI for Seeing Plant List (GMG-24, ✓)
 - UI for adding plants to the list (GMG-25, ✓)
- GMG-2: As a user I want a reminder of when to water, change soil of my plants (3 subtasks)**
 - TO DO:** 1 item
 - Backend to persistently store current reminder tasks (GMG-29, GL)
 - IN PROGRESS:** 1 item
 - Backend to interact with phone reminder/scheduler (GMG-28, JV)
 - DONE:** 1 item
 - UI for adding care reminders for plants (GMG-27, ✓)

Scrum Times:

- Saturdays anywhere around 12PM - 6PM

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