

Sprint Two Plan - GrowMyGarden

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Revision Number: 1.0

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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:

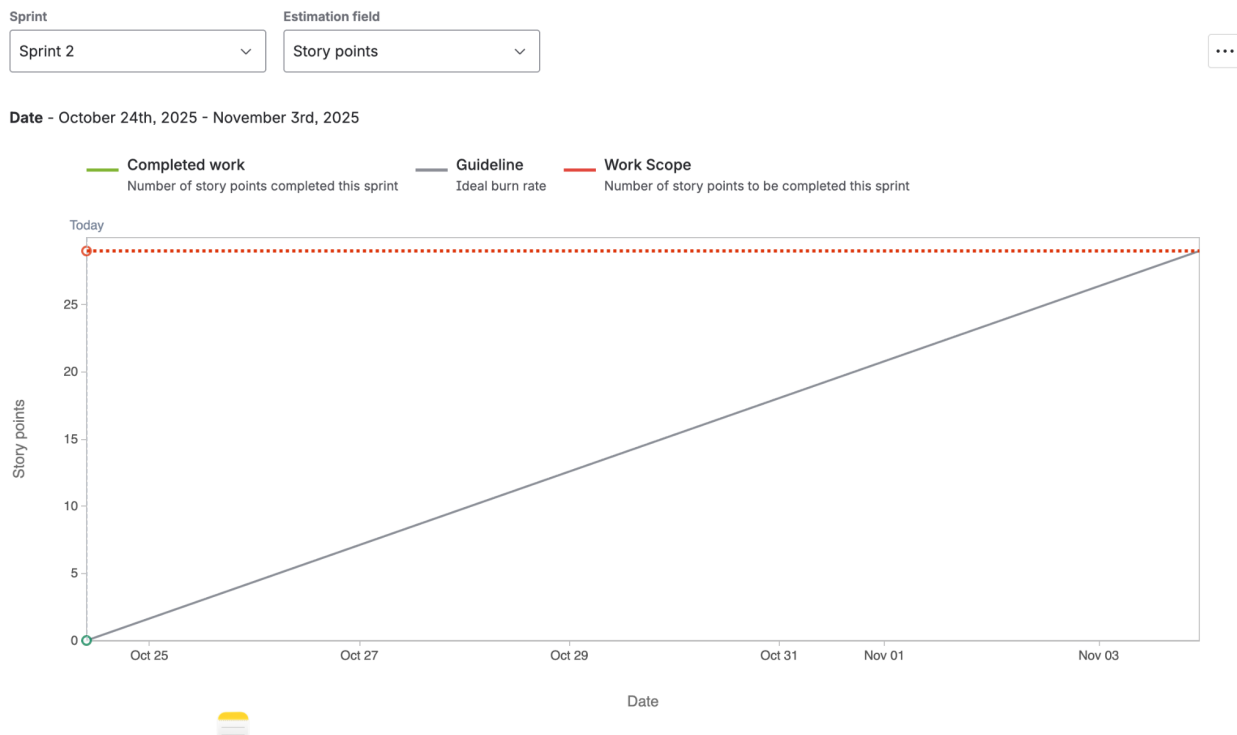
- Nuha Fakrudeen: Product Owner, Frontend
- Chris Fang: Frontend & Backend developer
- Gavin Leach: Scrum Master, Backend Developer
- Justin Valdez: Backend Developer (maybe)

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 the initial Scrum Board for the 'Grow My Garden' space. The board is organized into three columns: TO DO (2 items), IN PROGRESS (2 items), and DONE (0 items). The TO DO column contains two user stories: 'As a user I want to be able to create an account so I can manage my plants from any device' (RELEASE 1, P1, GMG-33) and 'As a user I want to take photos of my plants to better organize my plants' (RELEASE 3, GMG-5). The IN PROGRESS column contains two user stories: 'As a user I want to create a list of my plants' (RELEASE 1, P1, GMG-1) and 'As a user I want a reminder of when to water, change soil of my plants so that they don't die' (RELEASE 1, P1, GMG-2). The DONE column is empty. The board includes a search bar, a filter button, and a 'Complete sprint' button. The top navigation bar shows the space name 'Grow My Garden' and various view options: Summary, Timeline, Backlog, Board, Calendar, List, Goals, Code, Archived work items, Shortcuts, and Reports.

The screenshot shows the detailed view of the 'GMG-33' task, which is a user story: 'As a user I want to be able to create an account so I can manage my plan...'. The task is in the TO DO column and has 3 subtasks. The subtasks are: 'Create Login Page' (GMG-38), 'Create User Login Server' (GMG-39), and 'Sync Local User Plant Database with Remote Databases' (GMG-40). The task is assigned to a user (represented by a person icon) and has a priority of P1. The task is also labeled with 'RELEASE 1' and 'TO DO'. The board is organized into three columns: TO DO (3 items), IN PROGRESS (0 items), and DONE (0 items). The TO DO column contains the three subtasks. The IN PROGRESS and DONE columns are empty. The board includes a search bar, a filter button, and a 'Complete sprint' button. The top navigation bar shows the space name 'Grow My Garden' and various view options: Summary, Timeline, Backlog, Board, Calendar, List, Goals, Code, Archived work items, Shortcuts, and Reports.

GMG-5 As a user I want to take photos of my plants to better organize my plants (4 subtasks) **RELEASE 2** **TO DO**

TO DO 2	IN PROGRESS	DONE 2 ✓
<p>Create Local Image Store</p> <p>GMG-41 GL</p>		<p>Create Image Display w/ Plant on UI</p> <p>GMG-43 ✓</p>
<p>Sync Images to User Accounts</p> <p>GMG-42 GL</p>		<p>Get User File Permissions</p> <p>GMG-44 ✓</p>
+ Create		+ Create

GMG-1 As a user I want to create a list of my plants (4 subtasks) **RELEASE 1** **IN PROGRESS** **CF**

TO DO 1	IN PROGRESS 1 ...	DONE 2 ✓
<p>Integrate Frontend & Backend Data</p> <p>GMG-46 GL</p>	<p>Create Database to Store Plants Locally</p> <p>GMG-26 3 GL</p>	<p>Create UI for Seeing Plant List</p> <p>GMG-24 ✓</p>
+ Create		<p>UI for adding plants to the list</p> <p>GMG-25 ✓</p>

GMG-2 As a user I want a reminder of when to water, change soil of m... (3 subtasks) **RELEASE 1** **IN PROGRESS** **CF**

TO DO 1	IN PROGRESS 1 ...	DONE 1 ✓
<p>Backend to persistently store current reminder tasks</p> <p>GMG-29 GL</p>	<p>Backend to interact with phone reminder/scheduler</p> <p>GMG-28 JV</p>	<p>UI for adding care reminders for plants</p> <p>GMG-27 ✓</p>
+ Create		

Scrum Times:

- Saturdays anywhere around 12PM - 6PM

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