

SipSip - Sprint Backlog

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Version: 1.0

Date: 29/09/2025

Story ID	Story Description	Task ID	Task Description	Priority	Developer	Estimate (hrs)	Status
S01	User access to plant profile CRUD operations.	T01	Implement a secondary dashboard that lists all user plants, optionally grouped into collapsible collections.	High	Jayden Lewis	5	To-Do
		T02	Implement plant profile creation functionality with the following fields: • Plant Name (Required) • Plant Species (Required) • Outdoor or Indoor (Required) • Plant Photo (Optional, Upload or Capture) • Last Watered (Optional) • Location (Optional, Dropdown Menu) • Acquisition Date (Optional)	High	Aidan Repchik	5	To-Do

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		T03	Implement editing functionality of a plant profile, excluding the following fields: Plant Species	High	Aidan Repchik	4	To-Do
		T04	Implement deletion functionality for both individual plant profiles and collections of plant profiles.	High	Jayden Lewis	4	To-Do
		T05	Implement a detailed view of a plant profile by including the following: - Plant Name - Plant Species - Outdoor or Indoor - Plant Photo - Last Watered - Location - Acquisition Date - Calendar View of Plant Care Schedule	High	Jayden Lewis	5	To-Do

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S02	Plant identification via camera or photo upload. Automatic completion of plant information for a plant profile from the identified plant.	T06	Implement an in-app camera that is accessed via a tab in the main navigation bar.	Medium	Jayden Lewis	5	To-Do
		T07	Configure Google's Cloud Vision API for plant image recognition by: • Obtaining a secure Google Cloud Vision API key • Enabling the API service within Google Cloud Console • Testing plant identification with the API service with real-world data	High	Jayden Lewis	6	To-Do

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		T08	Integrate and process Google Cloud Vision API responses for plant profile input field population by: - Implementing general object detection / failed identification policies so only plants are accepted, and other objects incur a friendly error response to the user. - Parsing API response to extract key plant details that apply to plant profile creation - Reliably mapping extracted data into plant profile input fields	Medium	Aidan Repchik	5	To-Do
		T09	Allow for user verification and feedback on plant identification for future development.	Low	Uzma Shaikh	5	To-Do
S03	Simple and informative user dashboard.	T10	Design and implement a dashboard screen UI composable that fits the overall theme of the application.	High	Jayden Lewis	5	To-Do

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		T11	Implement and or connect object-oriented data models for the following to this composable to represent dashboard information: - Plant - Reminder - User	High	Aidan Repchik	4	To-Do
		T12	Implement clickable summary cards for urgent or upcoming plant care tasks.	Medium	Uzma Shaikh	4	To-Do
		T13	Build basic navigation interactions for summarized material on the dashboard to connect the user with more detailed information on any topic, such as navigation to plant a profile from a plant's summary card on the dashboard.	Medium	Jayden Lewis	5	To-Do
S04	Reliable plant care reminders and notifications.	T14	Design and implement a flexible "Reminder" model that can adjust and effectively hold information for any plant care reminder that may be used.	High	Aidan Repchik	5	To-Do

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		T15	Implement background scheduling and persistence for plant care reminders while the application is closed.	Medium	Jayden Lewis	4	To-Do
		T16	Configure specific yet flexible, user-friendly and playful messages that effectively deliver information on a plant care task that can be used under various circumstances. Multiple variations of each type of notification should be created to offer variation to the user.	Medium	Uzma Shaikh	3	To-Do
		T17	Design and implement playful, iconic images into notifications so the user can recognize the application and a task based on a visual.	Low	Uzma Shaikh	4	To-Do
S05	Differentiation between indoor and outdoor plants with tailored information.	T18	Implement or confirm the functionality of an enum or boolean (indoor or outdoor) attribute within the "Plant" data model. Consequently, add or confirm its selection field within the plant creation/edit forms.	Medium	Aidan Repchik	3	To-Do

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		T19	Implement tailored logic to both states of a plant's environment by: - Enabling/disabling local weather API notifications for the plant - Recommending/informing the user of pet and or pest concerns with required prevention tasks	Medium	Jayden Lewis	4	To-Do
S06	Short, focused lessons on beginner plant care topics with advanced topics available at user discretion.	T20	Design and implement a UI component on the dashboard screen that can expand or shrink depending on a lesson's string length.	Medium	Uzma Shaikh	5	To-Do
		T21	Design and implement an "Additional Information" composable screen for displaying advanced plant care tips, along with verified links to external websites.	Low	Uzma Shaikh	4	To-Do
		T22	Create a simple "Lesson" or "Tip" data model that stores plant care information that can easily be fetched and displayed on the dashboard.	Medium	Aidan Repchik	4	To-Do

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		T23	Implement a cycling logic of plant tips so every day a different plant care tip is displayed.	Medium	Uzma Shaikh	4	To-Do
		T24	Create a data model for advanced plant care tips that include sources.	Low	Aidan Repchik	4	To-Do
		T25	Implement handpicked, researched, advanced plant care tips to be shown on the "Additional Information" screen. This information is not changed daily and will remain mostly static, but will remain easily changeable by admins.	Low	Uzma Shaikh	3	To-Do
S07	Customizable reminder and notification schedules.	T26	Implement a UI notification schedule setting within the "Settings" composable screen.	Low	Jayden Lewis	3	To-Do
		T27	Implement or connect a do-not-disturb attribute of the list type to the "User" data model.	Low	Uzma Shaikh	4	To-Do
		T28	Create a simple UI for adding, editing, viewing, or removing blocks of time that the user wishes not to receive notifications.	Low	Uzma Shaikh	4	To-Do

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		T29	Implement notification withholding logic so notifications are only sent to the user during specified times of the day.	Low	Jayden Lewis	4	To-Do
S08	Eco-friendly plant care options.	T30	Implement an enum or boolean attribute into plant care tasks/plant tips that display a special icon if marked on creation as eco-friendly.	Low	Uzma Shaikh	4	To-Do
S09	Shared task assignment for collaborative plant care between users.	T31	Implement a shared task model that allows multiple users to be assigned to the same plant.	High	Aidan Repchik	3	To-Do
		T32	Design and implement a simple UI for assigning, viewing, and managing shared plant care tasks.	High	Uzma Shaikh	5	To-Do
		T33	Implement notifications or indicators for when a shared task is completed or reassigned.	High	Aidan Repchik	5	To-Do
S10	Activity logging to track who last took care of a plant.	T34	Implement an activity log model that records user actions such as watering or feeding.	Medium	Jayden Lewis	4	To-Do
		T35	Display the most recent caretaker and timestamp on the plant profile view.	Medium	Uzma Shaikh	4	To-Do

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S11	Customizable, non-overlapping grouped reminders for plant care.	T36	Implement reminder grouping logic that avoids overlapping times or duplicate alerts.	Low	Uzma Shaikh	5	To-Do
		T37	Add customizable sound and grouping options in the settings screen.	Low	Aidan Repchik	4	To-Do
S12	Visual growth tracking with photo and note logging for plant progress sharing.	T38	Implement image upload and storage functionality for plant growth photos.	Low	Aidan Repchik	5	To-Do
		T39	Add text note entries linked to each photo, with timestamps for progress tracking.	Low	Jayden Lewis	4	To-Do
		T40	Create a simple gallery or timeline layout to display all growth entries.	Low	Uzma Shaikh	4	To-Do
S13	Snooze functionality for plant care notifications and reminders.	T41	Add a "Snooze" action button to reminders to delay notifications by a set time.	Medium	Uzma Shaikh	5	To-Do
		T42	Implement logic to reschedule snoozed notifications without duplication.	Medium	Aidan Repchik	4	To-Do
S14	Social milestone sharing to celebrate plant care achievements.	T43	Implement milestone tracking logic such as days thriving or plants grown.	Medium	Jayden Lewis	5	To-Do

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		T44	Create shareable milestone cards or messages for social platforms.	Medium	Aidan Repchik	4	To-Do
		T45	Integrate Android share intent to allow sharing through external apps.	Medium	Uzma Shaikh	5	To-Do
S15	Provide beginner-friendly tips alongside plant care tasks	T46	Implement dynamic beginner tips that display on the task view page, tailored to the selected plant's needs.	Low	Aidan Repchik	4	To-Do
		T47	Create a small, reusable data model for beginner tips to store and retrieve context-specific advice.	Low	Jayden Lewis	4	To-Do
S16	Enable users to log plant care and view saved care instructions without an internet connection.	T48	Implementing network status monitoring for connectivity detection.	High	Jayden Lewis	4	To-Do
		T49	Enable syncing of offline logs when the connection is restored.	High	Uzma Shaikh	5	To-Do
		T50	Implement local storage for care logs for access while offline.	High	Uzma Shaikh	5	To-Do

Developer	Total Estimate of Working Hours	Total Number of Tasks Assigned
Jayden Lewis	76	16
Uzma Shaikh	73	18
Aidan Repchik	71	16