
High-Level Requirements Document

Version 1.0

19/09/2025

Project Identification

Project:	Sip Sip - Plant Care Mobile App
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Group ID:	13
Document Version:	1.0
Published Date:	September 28, 2025

Contributors

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Referenced Documents

Version number	Title	Author	Date	Source/Location
1.0	Project Summary V(1.0)	Jayden Lewis	22/09/2025	COMP 3059 - Capstone Project\project_summary
1.0	Project Vision	Jayden Lewis Aidan Repchik	22/09/2025	COMP 3059 - Capstone Project\project_vision
1.0	High-Level Requirements	Uzma Shaikh	22/09/2025	COMP 3059 - Capstone Project\High Level Requirements

HIGH LEVEL REQUIREMENTS - SipSip

1.0	User Personas	Uzma Shaikh Jayden Lewis Aidan Repchik	22/09/2025	COMP 3059 - Capstone Project/User Personas
1.0	User Stories	Uzma Shaikh Jayden Lewis	22/09/2025	COMP 3059 - Capstone Project/User Stories

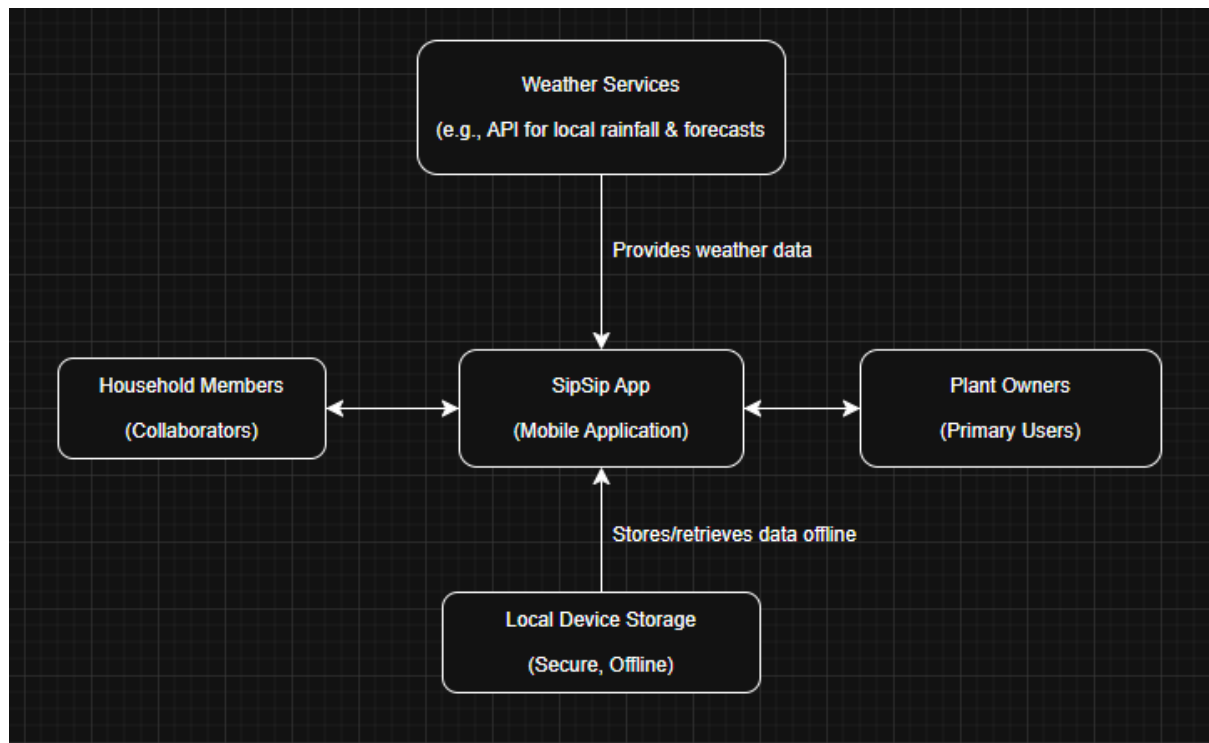
Revision History

Version Number	Revision Date	Summary of Changes	Modified by
1.0	19/09/2025	High-level requirements document initialization	Jayden Lewis
1.0	27/09/2025	Completed sections 1, 2, & 3 of this document.	Uzma Shaikh

TABLE OF CONTENTS

1.	<i>BUSINESS CONTEXT DIAGRAM</i>	3
2.	<i>REQUIREMENTS SCOPE STATEMENTS</i>	4
3.	<i>HIGH LEVEL BUSINESS REQUIREMENTS SIGN-OFF</i>	5

1. Business Context Diagram



Requirement Scope Area	Description
User Management	Allow users to create accounts, log in, and manage their profile information. Includes preferences such as notification settings and plant types.
Plant Care Guidance	Provide bite-sized lessons, tips, and reminders on plant care based on plant type and user experience level.
IoT Device Integration	Connect with hydroponic systems or smart plant sensors to collect data (e.g., water levels, soil moisture, light exposure).
Notifications & Reminders	Send automated alerts for watering schedules, nutrient refills, or environmental adjustments.
Data & Reporting	Show users simple dashboards of plant health, hydration history, and progress.
Admin/Maintenance	Admin users can manage plant databases, update knowledge modules, and maintain system health.

External Entity	Description
User (Plant Owner)	Adds, monitors, and cares for plants using SipSip.
Weather API	Provides local weather data to adjust watering reminders
Household Members	Shared access to manage plants collaboratively.

Information Flows	Description
Users input plant data →	SipSip generates personalized care schedules. SipSip sends reminders, motivational messages, and progress tracking.
Weather API provides forecast data →	SipSip adjusts care reminders.
Shared household accounts →	notifications distributed among members.

2. Requirements Scope Statements

HLR#	Description	Priority (H, M, L)
HLR01	The system shall provide personalised watering schedules based on plant type and weather integration.	H
HLR02	The system shall send non-intrusive reminders and motivational streaks to encourage consistency.	H
HLR03	The system shall support offline functionality with secure local storage .	M
HLR04	The system shall enable multi-user collaboration so household members can share plant care responsibilities.	M
HLR05	The system shall include a simple, friendly UI/UX for quick plant setup and tracking.	H
HLR06	The system shall track plant progress visually (growth indicators, icons, streaks).	M
HLR07	The system shall provide a product backlog and roadmap for future features (e.g., AI care suggestions, community features).	L

3. High-Level Business Requirements Sign-Off

Name	Project Role and Functional Area	Date Signed
Jayden Lewis	Project Manager	28/09/2025
Uzma Shaikh	Project Engineer	27/09/2025
Aidan Repchik	Project Developer	28/09/2025