

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	11 May 2023
Team ID	NM2023TMID09181
Project Name	Green Thumbs: A Comprehensive Guide to Caring for Your Houseplants

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement	Sub Requirement
FR-1	User RegistrationAnd authentication	Users should be able to register through Gmail and authenticate themselves to access the guide and itsfeatures.
FR-2	Plant Identification	Users should be able to identify their plants throughthe website using features such as plant name or picture recognition.
FR-3	Plant Care Information	The website should provide comprehensive careinformation for each plant, including watering, lighting, soil, temperature, and humidity requirements.
FR-4	Customized Care Plans	Users should be able to create customized care plansfor their plants based on their individual requirements and preferences.
FR-5	Notifications	Users should receive notifications for watering, fertilizing, and other plant care activities based on their customized care plans.
FR-6	Plant Health Tracking	The app should enable users to track their plant's health, such as growth rate, leaf colour and overallappearance, and provide guidance for troubleshooting issues.
FR-7	Community Forum	The app should include a community forum where users can ask and answer questions related to plant care, share tips and advice, and connect with otherplant enthusiasts.
FR-8	User Feedback	The app should allow users to provide feedback onthe app's functionality, content, and features, and incorporate user feedback into future updates and improvements.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should be user-friendly, with clear and concise instructions for users to follow. The user interface should be intuitive and easy to navigate.
NFR-2	Security	The application should be secure, with measures in place to protect user data and prevent unauthorized access. This includes secure login procedures, encrypted data storage, and regular security updates.
NFR-3	Reliability	The website should be reliable and available to users at all times. It should be able to handle a large number of users without crashing or experiencing downtime.
NFR-4	Performance	The website should be fast and responsive to user interactions. Load times should be minimal to ensure users do not get frustrated while using the application.
NFR-5	Availability	The application should be available to users around the clock, with no scheduled downtime for maintenance or updates.
NFR-6	Scalability	The application should be designed to handle an increasing number of users over time, without sacrificing performance or reliability.