

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

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Team ID	NM2023TMID03811
Project Name	Project – Agriculture Docs Chain

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Users should be able to register and create accounts. Users should be able to log in securely. Implement role-based access control for different types of users (e.g., farmers, suppliers, regulators).
FR-2	Secure Transactions and Payments	Facilitate secure financial transactions, including payments between stakeholders. Implement encryption and security measures to protect sensitive financial data.
FR-3	Notification and Alerts	Send notifications and alerts to users for critical events, such as contract updates, compliance violations, or supply chain disruptions.
FR-4	User Support	Offer customer support and resources for users to resolve issues or answer questions.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability requirements focus on the user-friendliness of the system. Ensure that the system has an intuitive and easy-to-use interface for all types of users, including those with varying levels of technical expertise
NFR-2	Security	Implement strong encryption for data at rest and data in transit. Enforce access controls and authentication mechanisms to prevent unauthorized access.
NFR-3	Reliability	Reliability requirements address the system's ability to perform consistently and predictably. Ensure that the system operates without unexpected downtime or data loss.
NFR-4	Performance	Define the system's speed, responsiveness, and resource utilization. Specify acceptable response times for various operations, such as document retrieval, contract

		execution, and data analysis.
NFR-5	Availability	<p>Availability requirements describe the system's uptime and accessibility.</p> <p>Set a target availability percentage (e.g., 99.9%) and downtime limitations.</p>
NFR-6	Scalability	<p>Focus on the system's ability to handle increased load as it grows.</p> <p>Design the system architecture to be scalable, enabling it to accommodate a growing user base and data volume.</p>