

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

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Team ID	NM2023TMID19967
Project Name	Optimized Supply Chain Solutions :Streamlining Operations And Elevating Efficiency

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Monitoring and Planning. ...	SCM systems provide information like shipment date, time, ID, order number, freight data and much more. Businesses can analyze these insights to track KPIs and make better strategic decisions. A centralized dashboard helps you monitor procurement, manufacturing and logistics from one place and plan for disruptions before they occur.
FR-2	Warehouse Management. ...	A warehouse management system (WMS) brings a more precise level of control to physical warehouse operations. SCM feature helps users more capably direct what happens inside the warehouse. These systems help deal with all parts of the equation, including labor, materials, floor space and operational protocols, everything that makes a warehouse work day-to-day.
FR-3	Transportation Management. ...	Transportation management tools direct the systems that handle supplies in transit. In many cases, this is a mix of over-the-road fleet management tools and monitoring for other types of shipping, such as rail, air or sea shipping. Being able to monitor shipments allows you to see issues in their early stages, giving you the most time to get back on track.
FR-4	Supply Chain Analytics. ...	Sourcing procurement and supplier management tools bring other slightly different angles to the task of evaluating your supply chain processes. Many of these tools look at costs, contract management, supplier quality and other issues. They help drive the sourcing and procurement of raw materials and supplies, as well as assess the technical aspects of the relationships between companies and their vendors.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Customizability: The supply chain solution should be customizable to meet the specific needs of your business. This includes the ability to tailor workflows and reports, and to configure the system to work with your existing software applications.
NFR-2	Security	Risk Assessment: Conduct a thorough risk assessment to identify potential vulnerabilities and threats in your supply chain. Understand the risks associated with data breaches, physical security, third-party vendors, and transportation.
NFR-3	Reliability	Risk Assessment: Conduct a thorough risk assessment to identify potential vulnerabilities and threats in your supply chain. Understand the risks associated with data breaches, physical security, third-party vendors, and transportation.
NFR-4	Performance	An optimized supply chain solution can have numerous benefits for a business, including improved efficiency, cost reduction, enhanced customer service, and increased profitability.
NFR-5	Availability	As an AI language model, I don't have real-time information on specific products or services' availability. However, I can provide general guidance on optimized supply chain solutions.
NFR-6	Scalability	Robust Infrastructure: Build a strong technological infrastructure that can handle increasing volumes of data and transactions. This includes investing in scalable hardware, networking, and cloud-based solutions.