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

Date	26-05-2025
Team ID	LTVIP2025TMID59352
Project Name	ShopSmart:Your digital grocery store experience
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements – Music Streaming App

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset
FR-2	Product Browsing & Filtering	Browse products by category, apply filters, search functionality
FR-3	Shopping Cart & Checkout	Add to cart, remove from cart, update quantity, secure checkout
FR-4	Payment Integration	Online payment with receipt generation and confirmation email

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The platform should offer a clean, intuitive UI for customers, sellers, and admins.
NFR-2	Security	All data must be encrypted. Implement HTTPS, JWT token auth, and role-based access control.
NFR-	Performance	Product pages should load within 2 seconds; cart and order updates should reflect in real-time.
NFR-	Availability	Maintain 99.9% uptime with auto-recovery and failover handling.
NFR-	Scalability	Should support high traffic and allow for scaling product categories, sellers, and APIs easily.