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

Date	15 February 2026
Team ID	LTVIP2026TMIDS79115
Project Name	Cafeteria Menu Display
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Admin Authentication	Implement secure login system with session management for cafeteria staff
FR-2	Menu Management	Admin can add, edit, and delete menu items with name, price, description, and category
FR-3	Category Organization	Organize menu items into Breakfast, Lunch, Beverages, and Desserts categories
FR-4	Real-Time Display	Customer display auto-refreshes every 5 minutes to show latest menu updates
FR-5	Availability Tracking	Admin can mark items as "Out of Stock" which appears grayed out on display

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Admin panel should have intuitive forms with clear labels for non-technical cafeteria staff.
NFR-2	Security	Admin panel must be password protected with session timeout after inactivity
NFR-3	Reliability	Display must continue showing last loaded menu even if database connection is temporarily lost
NFR-4	Performance	Menu updates should reflect on display within 3 seconds of admin save operation
NFR-5	Availability	System must run continuously during cafeteria operating hours (8 AM to 8 PM) without crashing
NFR-6	Scalability	Display must work on various screen sizes from tablets to large TVs