

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

Date	8 AUGUST 2025
Team ID	PNT2025TMID10267
Project Name	Greencart-Grocery Web App
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-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Authentication	Login through Email & Password Login through Social Media Password Reset Functionality
FR-4	Product Management	Product Listing & Display Product Search & Filter Product Categories Product Details & Images
FR-5	Shopping Cart	Add Products to Cart Update Quantity Remove Products from Cart Cart Persistence
FR-6	Order Management	Place Orders Order History Order Tracking Order Status Updates
FR-7	Payment Processing	Cash on Delivery Online Payment via Stripe Payment Confirmation Transaction History
FR-8	Address Management	Save Multiple Addresses Select Delivery Address Edit/Delete Addresses Default Address Setting
FR-9	Seller Dashboard	Seller Registration Product Upload & Management Inventory Management Sales Analytics
FR-10	User Profile	View Profile Information Edit Profile Details Account Settings Profile Picture Upload

Non-functional Requirements:

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

	FR No.	Non-Functional Requirement	Description
	NFR-1	Usability	User-friendly interface with intuitive navigation. Responsive design for mobile and desktop. Easy checkout process with minimal clicks.
	NFR-2	Security	JWT token-based authentication. Secure payment processing via Stripe. Data encryption for sensitive information. Protection against common web vulnerabilities.
3	NFR-3	Reliability	System should have 99.5% uptime. Proper error handling and graceful degradation. Data backup and recovery mechanisms.