

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

|               |   |
|---------------|---|
| Date          | 12-06-2025  |
| Team ID       | LTVIP2025TMID52034                                  |
| Project Name  | Grocery Web App: Your One-Stop Online Grocery Store |
| Maximum Marks | 4 Marks   |

**Functional Requirements:**

The following are the functional requirements of the Grocery Web App:

**Functional Requirements – Music Streaming App**

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task)                                  |
|--------|-------------------------------|---|
| FR-1   | User Authentication           | Sign up, Login, Password Reset; Role-based login for User and Admin |
| FR-2   | Order Placement & Tracking    | Place order, view real-time status, cancel or return order          |
| FR-3   | Product Browsing & Search     | Browse categories, apply filters, search by keyword                 |
| FR-4   | Cart and Checkout             | Add to cart, update quantity, remove items, proceed to payment      |

**Non-functional Requirements:**

The following are the non-functional requirements of the Grocery Web App:

| NFR No. | Non-Functional Requirement | Description  |
|---------|----------------------------|--|
| NFR-1   | Usability                  | Clean, user-friendly interface for customers and admins with responsive design           |
| NFR-2   | Security                   | Data encryption, JWT-based authentication, role-based access control                     |
| NFR-3   | Performance                | Pages should load within 2 seconds. Chat and job posting actions should be near-instant. |
| NFR-4   | Availability               | Ensure 99.9% uptime with monitoring and automatic recovery tools                         |

|              |                    |   |
|--------------|--------------------|---|
| <b>NFR-5</b> | <b>Scalability</b> | Designed with microservices architecture to support high user load and new features |
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