**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID53097 |
| Project Name | OderGo – Food Ordering MERN App |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Food Browsing & Filtering | |  | | --- | |  |  |  | | --- | | - View restaurants - Filter by category (veg/non-veg/beverage) - Sort by price, rating | |
| FR-4 | |  | | --- | |  |  |  | | --- | | Cart & Order Processing | | - Add to Cart - Modify quantity - Checkout & place order |
| FR-5 | |  | | --- | |  |  |  | | --- | | Admin Features | | |  | | --- | |  |  |  | | --- | | - Login as Admin - Add/Edit/Delete food items - View Orders | |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The app should have a clean, user-friendly UI optimized for all devices. |
| NFR-2 | **Security** | JWT authentication, password hashing using bcrypt, and secure APIs. |
| NFR-3 | **Reliability** | |  | | --- | |  |  |  | | --- | | MongoDB Atlas with auto-failover and data replication ensures reliability. | |
| NFR-4 | **Performance** | |  | | --- | |  |  |  | | --- | | Optimized API calls, lazy loading, and CDN usage for fast loading times | |
| NFR-5 | **Availability** | Deployed on cloud platforms (Vercel/Render) for high uptime and accessibility. |
| NFR-6 | **Scalability** | Scalable architecture using modular routes and potential for microservices. |