**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID58629 |
| Project Name | ShopEZ online Purchasing website |
| 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 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | |  | | --- | | Cart Management |  |  | | --- | |  | | - Add to cart  - Remove from cart  - View cart total |
| FR-4 | |  | | --- | | Order Placement |  |  | | --- | |  | | - Enter delivery address  - Select payment method  - Place order |
| FR-5 | |  | | --- | | Order Tracking |  |  | | --- | |  | | - Real-time status updates  - Estimated delivery time |
| FR-6 | |  | | --- | |  |  |  | | --- | | Admin Dashboard | | |  | | --- | |  |  |  | | --- | | - View user/order statistics  - Manage listings | |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The system must be intuitive and easy to use on mobile and desktop platforms. |
| NFR-2 | **Security** | All data transmissions must be encrypted; secure login with OAuth supported. |
| NFR-3 | **Reliability** | The app should operate correctly even during peak hours |
| NFR-4 | **Performance** | Pages and API calls should load within 2 seconds under normal load. |
| NFR-5 | **Availability** | |  | | --- | |  |  |  | | --- | | The system should have 99.9% uptime with minimal scheduled maintenance. | |
| NFR-6 | **Scalability** | The app must support increasing user traffic and order volume without failures. |