**Project Design Phase-II**

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

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| --- | --- |
| Date | 20 JULY 2025 |
| Team ID | LTVIP2025TMID53026 |
| Project Name | SHOP SMART |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **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 | [Add Functional Requirement] | [Add Sub Requirement] |
| FR-4 | [Add Functional Requirement] | [Add Sub Requirement] |

**Non-functional Requirements:**

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

| **Non-Functional Requirement** | **Description** |
| --- | --- |
| NFR-1 | Usability | The system should be user-friendly, allowing users to easily navigate and interact with the application without extensive training. It should provide intuitive interfaces and clear instructions. |
| NFR-2 | Security | The system must ensure data protection and privacy by implementing robust security measures, including encryption, authentication, and authorization protocols to prevent unauthorized access and data breaches. |
| NFR-3 | Reliability | The system should consistently perform its intended functions without failure. It should be able to recover from errors and maintain operational continuity, ensuring minimal downtime. |
| NFR-4 | Performance | The system should respond quickly to user inputs and process requests efficiently. Performance metrics such as response time, throughput, and resource utilization should meet predefined standards. |
| NFR-5 | Availability | The system should be accessible and operational at all times, with minimal downtime. It should have mechanisms in place for failover and redundancy to ensure continuous service availability. |
| NFR-6 | Scalability | The system should be able to handle an increasing number of users or transactions without performance degradation. It should support horizontal and vertical scaling to accommodate growth. |