**Project Design Phase-II**

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

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID59486 |
| Project Name | ShopEZ: One-Stop Shop for Online Purchases |
| 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 | Product Discovery & Filtering | Browse by category Filter by price, brand, and rating |
| FR-4 | Shopping Cart | Add to cart Update cart quantity Remove from cart |
| FR-5 | Secure Checkout | Enter shipping details Select payment method Place order |
| FR-6 | Reviews & Ratings | Submit review Submit star rating View product feedback |

**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 platform should be easy to navigate with an intuitive UI/UX. |
| NFR-2 | **Security** | Implement JWT authentication, secure payment integration, and data protection. |
| NFR-3 | **Reliability** | System should handle user and order operations without failures or data loss. |
| NFR-4 | **Performance** | Pages should load quickly; backend should handle high traffic efficiently. |
| NFR-5 | **Availability** | System should be available 24/7 with minimal downtime. |
| NFR-6 | **Scalability** | Platform should scale to support additional users, products, and services. |