**Project Design Phase-II**

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

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| --- | --- |
| Date | 29 JUNE 2025 |
| Team ID | LTVIP2025TMID49946 |
| Project Name | Shop EZ : 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 | User Login | Login via Email and Password |
| FR-4 | Product Browsing & Search | |  | | --- | | Browse by Category |  |  |  |  | | --- | --- | --- | |  |  |  | |
| FR-5 | Cart Management | Add Item to Cart |
| FR-6 | |  | | --- | |  |  |  | | --- | | Order & Checkout | | Payment Integration (Card, UPI, Wallet) |

**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 load the homepage in less than 3 seconds |
| NFR-2 | **Security** | System should support 10,000 concurrent users during peak sales |
| NFR-3 | **Reliability** | All passwords must be stored encrypted; use HTTPS for all data transactions |
| NFR-4 | **Performance** | System should be available 99.9% of the time |
| NFR-5 | **Availability** | The user interface should be intuitive and mobile responsive |
| NFR-6 | **Scalability** | The system should be modular and easy to update with minimal downtime |