Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 27 June 2025 |
| Team ID | LTVIPT2025MID55709 |
| 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<br>Registration through  Gmail <br> -Registration through LinkedIN |
| FR-2 | User Confirmation | -Confirmation via Email<br>-Confirmation via OTP |
| FR-3 | User Login | -Login using Email/Password <br> -Login via Gmail/LinkedIn/Facebook <br>Forgrt Password/Reset  Password |
| FR-4 | Product Browsing and purchase | -Search and Browse Products <br> -Add to Cart <br>- Checkout and Online Payment <br>Order Confirmation  and Invoice |

# 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** | Interface should be intuitive and easy to use for users of all tech levels |
| NFR-2 | **Security** | User data,Payment info,and Communications must be  encrypted and protected |
| NFR-3 | **Reliability** | The app should be stable and available with minimal  crashers or errors |
| NFR-4 | **Performance** | Fast response time even under heavy traffic;efficient  backend operations |
| NFR-5 | **Availability** | System uptime should be atleast 99.5% with proper  failover mechanisms |
| NFR-6 | **Scalability** | Able to handle increasing number of users,products and  vendors smoothly |