

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

| | |
|---------------|------------------------------------|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID02121 |
| Project Name | Inventory Management for Retailers |
| 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 |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Login | Login with username Login with password |
| FR-4 | Product record | Product name Stock count Product category Vendor details |
| FR-5 | Email Notification | Email through SendGrid Reduced stock quantity Email to both retailer and seller |
| FR-6 | Audit Monitoring | Monitor incoming and outgoing stock |

Non-functional Requirements:

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

| NFR No. | Non-Functional Requirement | Description |
|----------------|-----------------------------------|---|
| NFR-1 | Usability | Highly portable, User-friendly and highly responsive UI for easy access |
| NFR-2 | Security | Access Control, User privileges, Password management features |
| NFR-3 | Reliability | Secure server for reliable and fault tolerant connection |
| NFR-4 | Performance | Reliable performance with high-end servers |
| NFR-5 | Availability | Service hosting server downtime should be negligible during upgradation |
| NFR-6 | Scalability | The resources and service provided by the software should be scalable |