

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

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID51170 |
| Project Name | Project - Inventory Management System 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 | Username/Email-ID Login with Password |
| FR-4 | Admin Login | Login with Username/Email-ID Login with Password |
| FR-5 | Inventory Management | Track quantity of products present in inventory at any instant |
| FR-6 | Tracking of stock | Notifications through Email |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | This cloud web application makes the process of inventory management a lot easier which saves money and time both. This system is highly responsive to both desktop and mobile users. |
| NFR-2 | Security | Inventory security aims to prevent inventory losses – for example, due to incorrect storage, theft, or incorrect incoming goods inspection – so that the correct stock is always available. |
| NFR-3 | Reliability | The availability of products should be properly updated for customer satisfaction. The out-of-stock information should be notified. The system must give accurate inventory status to the user continuously. |
| NFR-4 | Performance | The companies have to design and operate materials management and product distribution functions effectively. Inventory control systems enable a business to determine and maintain an optimum level of investment in inventory in order to achieve the required operational performance. |

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| NFR-5 | Availability | The software will be available only to the administrator of the organization and the product, as well as customer details, will be recorded by him. He can manage the inventory. |
| NFR-6 | Scalability | The System can manage large inventory and provides quick access to the inventory in no time. |