

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

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID22771 |
| Project Name | Project – Retail Store Stock Inventory Analytics |
| 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 Registration through LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Login | Login using User id Login using Email Login using Password |
| FR-4 | Stock management | Adding or Removing stocks based on the users needs. Analyse the stock details periodically. Generate different barcodes for different products. |
| FR-5 | Billing | Billing will be made easier through barcodes. Receipt Generation. |
| FR-6 | Review | Customer can give reviews on the product. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | An analytics platform helps you understand your customers. It allows you to save on costs. It helps you improve your store's indoor conditions. |
| NFR-2 | Security | Protecting digital information from unauthorized access, corruption, or theft throughout its entire lifecycle. |
| NFR-3 | Reliability | Prevents from loss. Helps in stock prediction. |
| NFR-4 | Performance | The solution offers lower request time for any request processed. Receipt Generation. |
| NFR-5 | Availability | Can be used by both retailers and customers for all devices. The solution understands the request made to server to provide efficient results by prioritizing the request made and load balancing. |
| NFR-6 | Scalability | Proposed solution offers higher compatibility with any kinds of working environment. Easier for disk space management and obtaining results. Works with lesser down time when new functional are being tested and added to solution. |