

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

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|---------------|-----------------------------------------|
| Date | 12 October 2022 |
| Team ID | PNT2022TMID23905 |
| Project Name | 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 for Job/Order product Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Admin Confirmation | Confirmation via ID Confirmation via Password |
| FR-4 | Admin Management | Add Employee Remove Employee Update new product |
| FR-5 | Inventory management | Remove or add items from the store Remove or add items to the warehouse Ship item to customers Order supplies |
| FR-6 | Employee management | Store information about employee Track employee' attendance Manage absence and leave requests Manage payment |
| FR-7 | Analytics and Reports | Collect data from modules Run informative dashboard Allow custom reports creation |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NFR-1 | Usability | The Retail Management system is required to have a simple and user-friendly interface, and allow to customize the interface and dashboard for individual users. The system must fully support languages that business operates on and allow to import and export of data in .csv and spreadsheet file formats. |
| NFR-2 | Security | The system restricts access to client data, analytics, and reports to only authorized users. The rights to add or correct data must be restricted for individual employees. Financial data must be secured with two-factor authentication. Data relative to the latest operational year must be duplicated on a reserve server. |

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|-------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NFR-3 | Reliability | This application we can use for low level ram. It donot consume more storage. |
| NFR-4 | Performance | The system must be capable of handling 100 employee accounts and 10000 orders per day without affecting its performance. |
| NFR-5 | Availability | The availability of the system must be not less than 99.999% during the retail working hours, and not less than 95% round-the-clock for the e-commerce module. |
| NFR-6 | Scalability | The system must support implementing new features and modules without disrupting existing processes. The system must support horizontal scaling for launching new retail stores with multiple POS. |
| NFR-7 | Maintainability | System maintenance must run without shutting down or in automated mode during non-working hours. |