**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID44838 |
| Project Name | Retail Store Stock Inventory Analytics |
| 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 | **Point of sale** | * Scan item barcode and load the item info from the system * Allow manual input and search of sale item |
| FR-2 | **Customer Relationship Management** | * Save and store customer information (name, date of birth, contact info, client id, password) * Apply client's discount levels |
| FR-3 | **E-commerce** | * Add item to the catalog (manually or from file) * Update item in the catalog |
| FR-4 | **Inventory management** | * Remove or add items from the store * Remove or add items to the warehouse |
| FR-**5** | **Employee management** | * Store information about employees * Track employees' attendance |
| FR-**6** | **Accounting** | * Integrate with accounting software |
| FR-**7** | **Analytics and reports** | * Collect data from modules * Run informative dashboard |

**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** | 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. |
| NFR-2 | **Security** | The system restricts access to client data, analytics, and reports to only authorized users |
| NFR-3 | **Data integrity** | All data about sales, orders, client information, and other must be accurate and consistent over the entire life cycle. |
| NFR-4 | **Capacity** | 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. |
| NFR-7 | **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. |