**Project Design Phase-II**

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

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID51657 |
| Project Name | Inventory Management System for Retailers |
| 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 | User Registration | Registration through Form  Registration through Gmail  Registration through Phone number |
| FR-2 | User Confirmation | Confirmation via OTP(Email) |
| FR-3 | Transactions processing | Payment through Online |
| FR-4 | Authentication | Through Email |
| FR-5 | Reporting | Through App  Through Email |

**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** | Keeps track of your inventory and offers a centralized view of stock for 24\7. |
| NFR-2 | **Security** | Access permissions for the particular system information may only be changed by the system’s data administrator. |
| NFR-3 | **Reliability** | The database update process must rollback all related updates when any updates fails in the stock inventory. |
| NFR-4 | **Performance** | The front-page load time must be no more than 2 seconds for users that access the website using an LTE mobile connection. |
| NFR-5 | **Availability** | New module deployment mustn’t impact front page, product pages, and check out pages availability and mustn’t take longer than one hour. The rest of the pages that may experience problems must display a notification with a timer showing when the system is going to be up again. |
| NFR-6 | **Scalability** | The website/app attendance limit must be scalable enough to support 200,000 users at a time. |