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

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|---|---|
| Date | 19 October 2022 |
| Team ID | PNT2022TMID06865 |
| 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<br>Registration through Gmail<br>Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | User Login | Login with Username<br>Login with Email<br>Login with Password<br>Login with Mobile Number |
| FR-4 | Profile Update | Update contact details<br>Update password for security<br>Update Sales details and stock |
| FR-5 | Uploading Data | Collect stock details<br>Collect product details<br>Collect details of purchase date<br>This will effectively help in tracking the date and time of next purchase, and about the best selling products at the current trend |
| FR-6 | Notification | Notifies the retailer about a lack in sufficiency of the stock of a certain product |
| FR-7 | Review | Product Review by the customer, i. e., by the retailer on how this product helps them to satisfy their customer's needs |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|-------------|
| NFR-1 | **Usability** | They are more likely to have enough inventory to capture every possible sale while avoiding overstock and minimizing expenses. |
| NFR-2 | **Security** | The model is secure enough as only the users with verified credentials can make login to the website. Users with invalid login details are declined. |
| NFR-3 | **Reliability** | Assured to provide correct stock updates in spite of a large amount of products.<br>Strictly reduces both overstocking and understocking. |
| NFR-4 | **Performance** | The database contains the reliable details of stock sold and hence can predict the dead stock and highly profitable stock.<br>This helps retailer to make considerable stock to be maintained. |
| NFR-5 | **Availability** | Available for small to large retailers across the globe. It can give retailers real-time visibility into stock levels and helps to avoid stock outs. |
| NFR-6 | **Scalability** | Dataset can be updated based on seasons, leap time of the products and other needs.<br>Review from customers are taken to improvise the model. |