

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

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| Team Members | M. Lakshmanan R. Karthi Vignesh K.S. Karthikeyan |
| 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 Registration through Linked IN Registration through Website Registration through G-mail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Login | Login with username Login with password |
| FR-4 | Profile update | Update the user credentials Update the Contact details |
| FR-5 | Uploading Data | Collect the customer details as well as product details Upload the product details This model predicts the best sold products and also it analysis the available stocks |
| FR-6 | Recommendation | User will request for Item Get the Item recommendations |
| FR-7 | Ratings and Reviews | The user i.e retailer of any shop can give their ratings and view of this models |

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. This model can be supported on both desktop and mobile browsers. |
| NFR-2 | Security | This can be used only by the users who have their proper login credentials |
| NFR-3 | Reliability | Avoid over or under stocking Ensure accurate inventory valuation Prevent order delays Reduce dead stock |
| NFR-4 | Performance | In a departmental store, the billing technique is digitalized. The database of the customer that is the name of the customer, mobile number, address and the purchase details of the customer are included in the dataset. From this, the model can predict the dead stocks and highly profitable stocks. The accuracy of this model will be ensured by checking multiple times. |
| NFR-5 | Availability | This model is suitable for all kind of retail stores. It can give retailers real-time visibility into stock levels, avoid stock outs, keep inventory carrying costs low and help meet customer expectations |
| NFR-6 | Scalability | More number of users can be accessed at the same time without any issues. The feedback of the users will be taken and be proceeded further up to the satisfaction of the user. |

