

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

Date	17 October2022
Team ID	PNT2022TMID46684
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	<ul style="list-style-type: none"><li>• Registration through Form</li><li>• Registration through Gmail</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>• Confirmation via Email</li></ul>
FR-3	User Login	<ul style="list-style-type: none"><li>• Login with form and Gmail</li></ul>
FR-4	Profile update	<ul style="list-style-type: none"><li>• Update the user credentials</li><li>• Update the Contact details</li></ul>
FR-5	Uploading Data	<ul style="list-style-type: none"><li>• Collect the customer details as well as product details</li><li>• Upload the product details</li><li>• This model predicts the best sold products and also it analysis the available stocks</li></ul>
FR-6	Recommendation	<ul style="list-style-type: none"><li>• User will request for Item</li><li>• Get the Item recommendations</li></ul>
FR-7	Ratings and Reviews	<ul style="list-style-type: none"><li>• The user i.e retailer of any shop can give their ratings and view of this models</li></ul>

## Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"><li>• They are more likely to have the right amount of inventory to take advantage of every potential sale while avoiding overstocking and cutting costs. Both desktop and mobile browsers can handle this architecture.</li></ul>
NFR-2	Security	<ul style="list-style-type: none"><li>• This can be used only by the users who have their proper login credentials</li></ul>
NFR-3	Reliability	<ul style="list-style-type: none"><li>• Avoid over or under stocking</li><li>• Ensure accurate inventory valuation</li><li>• Prevent order delays</li><li>• Reduce dead stock</li></ul>
NFR-4	Performance	<ul style="list-style-type: none"><li>• 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.</li></ul>
NFR-5	Availability	<ul style="list-style-type: none"><li>• Accessible on all devices</li><li>• Run efficiently at the bare minimum specifications</li></ul>
NFR-6	Scalability	<ul style="list-style-type: none"><li>• Many users can access simultaneously without any glitch</li><li>• Data can be imported and exported as jsonfiles</li></ul>