

## Solution Requirements

<b>Date</b>	12 November 2022
<b>Team ID</b>	PNT2022TMID52442
<b>Project Name</b>	Retail store stock inventory analytics
<b>Maximum Marks</b>	4 Marks

### Functional Requirements:

The functional requirements of the proposed solution are as follows,

<b>FR. No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story/Sub-Task)</b>
FR-1	User Registration	Registration through registration form.  Registration through One-Tap Google Sign-in.
FR-2	User Authentication and Confirmation	Authentication via Google Authentication.  Confirmation via Email.  Confirmation via OTP.
FR-3	Product management	Quickly produce reports for single or multiple products.  Track information of dead and fast-moving products.  Track information of suppliers and manufacturers of the product.

FR-4	Audit Monitoring	<p>The technique of tracking crucial data is known as audit tracking.</p> <p>Monitor the financial expenses carried out throughout the whole time (from receiving order of the product to delivery of the product).</p>
FR-5	Historical Data	Data of everything should be stored for analytics and forecasting.
FR – 6	CRM (Customer Relationship Management)	<p>Track the customer experience via ratings given by them.</p> <p>Get customer reviews regularly or atleast at the time of product delivery to work on customer satisfaction.</p> <p>User-friendly GUI to increase the customer base from only techies to normal people.</p>
FR - 7	Security Policy	<p>User data collected must be as secure as possible.</p> <p>User data must not be misused. They can only be used for user preferred advertising purposes.</p>

### **Non-Functional Requirements:**

The non-functional requirements of the proposed solution are as follows,

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	Usability	<p>The UI should be accessible to everybody despite of there diversity in languages.</p> <p>People with some impairments should also be able to use the application with ease. (Example, integrate google assistant so that blind people can use it).</p> <p>.</p>
NFR-2	Security	<p>The security requirements deal with the primary security. Only authorized users can access the system with their credentials.</p> <p>Administrator or the concerned security team should be alerted on any unauthorized access or data breaches so as to rectify it immediately.</p>
NFR-3	Reliability	<p>The software should be able to connect to the database in the event of the server being down due to a hardware or software failure.</p>
		<p>The users must me intimated by the periodic maintenance break of the server so that they will be aware of it.</p>
NFR-4	Performance	<p>Performance of the app should be reliable with high-end servers on which the software is running.</p>
NFR-5	Availability	<p>The software should be available to the users 24/7 with all functionalities working.</p> <p>New module deployment should not impact the availability of existing modules and their functionalities.</p>
NFR-6	Scalability	<p>The whole software deployed must be easily scalable as the customer base increases.</p>