Ideation Phase
Define the Problem Statements

Date	10 September 2022
Team ID	PNT2022TMID53054
Project Name	Project - Inventory Management System for Retailers
Maximum Marks	2 Marks

Customer Problem Statement:

DESCRIPTION

In today's modern world, although a lot of things have been modernized/digitalised, still most of the activities carried out by the retailers at a shop involves a lot of paperwork (or) they have to spend a lot of their time handling stocks and products.

PROBLEMS FACED CURRENTLY

1. **STOCK MANAGEMENT**
   In general, manual updation of inventory in some registers/notebooks may cause running out of stocks or to carry extra stocks . As a result of which, if an item's stock gets over , its sale is paused until a new one arrives after ordering. And carrying of extra stocks may not be sold for a long period of time

2. **SALES PATTERN**
   Generally, if the sales pattern of a product is not known , the retailer will not know exactly the number of products to be ordered each time.

3. **ITEMS MANAGEMENT**
   Manual updation of stocks and inventory for a large list of products is time consuming and also many errors occur if everything is done manually in a notebook/register

PROPOSED SOLUTION

A web application is to be designed and developed, which helps to address the above-mentioned issues.

1. The web app enables the registered user to update the inventory and as well as add a new product if the product details are given. As everything is automated no error occurs in this process and it is not time consuming as well.
2. The user will be able to make a sale to consume the products in the inventory and also review the sales pattern
3. An alert is sent automatically by the inventory management system if the stock left count reaches a threshold value and as soon as the alert is received , the stocks required are ordered and as a result pausing of sale is avoided.

4. If an item is left unsold for a long period of time, it can also be checked and ordered as required in the upcoming orders.
5. A graphical representation of the sales pattern is also provided by the app from the sales undertaken till now , and from which the quantity of stocks required each month are accordingly ordered