PROJECT DESIGN PHASE II

FUNCTIONAL REQUIREMENTS

Date	10 October 2022
Team ID	PNT2022TMID39751
Project Name	Inventory Management System for Retailers

Project description:

This project is aimed at developing a desktop-based application named Inventory Management System for managing the inventory system of any organization. The Inventory Management System (IMS) refers to the system and processes to manage the stock of an organization with the involvement of a Technology system. This system can be used to store the details of the inventory, stock maintenance, update the inventory based on the sales details, and generate inventory reports weekly or monthly based. This project is categorize individual aspects of the inventory management system. An inventory Management System is important to ensure quality control in businesses that handle transactions revolving around consumer goods. Without proper inventory control, a large retail store may run out of stock on an important item. A good inventory management system will alert the retailer when it is time to record. An automated Inventory Management System helps to minimize errors while recording the stock.

Scope:
- **Manage Inventory**: Inventory management helps to manage the stock of the company. it provides proper details of the products what kind of raw material, what are the sizes we require and etc. to the purchasing department.
- **Less Storage**: When the inventory management provides proper information to management, they buy according to them which helps the company to store fewer products.
- **Improve Productivity:** Inventory management helps to improve the productivity of the machines and manpower. Employees are aware of stocks and the quantity that require to produce.
- **Increase Profits:** Inventory management helps to improve the profits of the company. it helps to provide proper information about stocks, that saves the unnecessary expenses on stocks.
- **Mail Notification:** Mail notification when the minimum stock limit is reached.

Purpose:

Retail inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too much on hand. By managing inventory, retailers meet customer demand without running out of stock or carrying excess supply.

In practice, effective retail inventory management results in lower costs and a better understanding of sales patterns. Retail inventory management tools and methods give retailers more information on which to run their businesses. Applications have been developed to help retailers track and manage stocks related to their own products. The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application.

Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock. They can view

details of the current inventory. The System will automatically send an email alert to the retailers if there is no stock found in their accounts. So that they can order new stock.

IDENTIFIER	REQUIREMENTS
1. Add stock details	This application will allow add stock details.
2. Delete stock details	This application will allow the delete stock details.
3. Categories of Stock	The categories of stock will be able to be separated using this application.
4. View of Dashboard	Application will allow user to view the dashboard containing stock details.
5. Mail Notification	This application will allow to send mail notification to retailers when the minimum stock limit is reached.
6. Tracking System	The stock can be tracked with this application.
7. Graph analysis	This application will demonstrate sales pattern analysis.
8. Identifying most valuable stock	The most valuable stock for each individual retailer will be shown via this application.
9. Identifying least valuable stock	The least valuable stock for each individual retailer will be shown via this application.
10. Display of expired stocks	This application will display the expired stocks to the particular retailer.
11. Passcode	This application has the option to set a passcode for security.
12. Add multiple accounts	This application has the option of creating multiple accounts for the users.
13. Selection of stock report duration	This application has the ability to select the duration for displaying the stock report.
14. Update account	This application will allow the user/retailer to update their profile.
15. Add account	This application will allow the user/retailer to add their profile.
16. Delete account	This application will allow the user/retailer to delete their profile.
17. PDF report	This application will generate the pdf report of sales pattern analysis.