INVENTORY MANAGEMENT SYSTEM

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Abstract: This project is aimed at developing a web 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 organization with the involvement of Technology system. This scheme can be used to accumulate the details of the inventory, stock maintenance, update the inventory based on the sales details, generate sales and inventory report daily or daily based. This scheme is categorize human being aspects for the sales and inventory management system. In this system we are solving different trouble moving to direct sales management and purchase management. Inventory Management System is significant to ensure quality control in businesses that switch transactions resolving something like consumer goods. Without right inventory control, a large trade store may run out of stock on a vital item. A good record administration system will alert the seller when it is time to record.

Keywords: Inventory Management System, transactions, stock maintenance, sales details.

1.1 Inventory Management System

The project Inventory Management System is a complete web based application designed on PHP technology using Visual Studio Software. The main aim of the project is to develop Inventory Management System Model software in which all the information regarding the stock of the organization will be presented. It is an intranet based web application which has admin component to manage the inventory and maintenance of the inventory system.

1.2 Problem Statement

After analyzing many existing IMS we have now the obvious vision of the project to be developed. Before we started to build the application team had many challenges. We defined our problem statement as:

- To make desktop based application of IMS for small organization.
- To make the system easily managed and can be secured.

II. DATA FLOW DIAGRAM

2.1. Login Module

![Login Module Diagram]

2.2. Home Module

![Home Module Diagram]
2.3 Item List

Item List

- Add
- Edit
- Search

2.4 Product Profile

Item List

- New Stock entry
- Delete stock
- Search

III. MODULE DESCRIPTION

Login Module:

Enter Username and password, validate the username and password and then get in to the systems’ Home Page.

Home Page:

- Get the item list and add the items to the cart.
- View the cart items and confirm the items or delete items from the cart.

Item List

- View all the items
- Add a New Item
- Edit an existing Item
- Search an Item by the given fields

Product Profile

- View the stock details for each item
- Add quantity and the related details for an item to maintain the stock
- Delete a stock of particular item
- Search an item

Stock

- View the stock details
- Print the details

Expired

- View the expired items

Sales

- Get the sales report for the selected date and Print the report
IV. OUTPUT SCREEN

Home Page

Click on Add to Cart icon
Item List – Add New Item

View all items

Edit an Item
Product Profile
Add quantity and details for an item

View Product details

Stock

Sales
V. CONCLUSION

The purpose of this scheme was to build a curriculum for maintaining the particulars of all Supply Order. The system developed is able to meet all the basic necessities. It will make available the talent to the user so that they can keep tracks of all the equipments being complete. The administration of the Inventory will be also benefited by the proposed system, as it will mechanize the complete supply procedure, which will decrease the workload. The safety measures of the system is also one of the prime concerns.

Books Reference

Paper Reference
1. Inventory Management System - Neeraj Kumar - Information Technology, Dronacharya College of Engineering, Gurgaon, Haryana.

Website Reference
1. https://www.w3schools.com/php