

ONLINE INVENTORY MANAGEMENT SYSTEM

Project Synopsis

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Project title

Online Inventory Management System

Aim / Objective

The objective is to create an inventory system for small scale businesses that can track and display the product data efficiently. And to minimize investment in inventory at minimum and to get maximum profit

INVENTORY MANAGEMENT SYSTEM

It refers to the process of ordering, storing and using a company's inventory. This includes the management of raw materials, components and finished products, as well as warehousing and processing such items.

For companies with complex supply chains and manufacturing processes, balancing the risks of inventory gluts and shortages is especially difficult. To achieve these balances, firms have developed this inventory management system.

Technologies used

Front End : Websites were created using HTML, CSS and JAVASCRIPT.

Back End : Database was created using My SQL.

* The connection between database and websites was made using PHP.

Assumptions taken

Now-a-days all computer-based system for tracking the inventory levels , order , sales and it can be also used by the manufacturing industry to create a work order, bill of materials and other product related document. This Inventory management software is used to avoid the product overstock and outages .

Details handled

In this project, we have four table :

1. Suppliers Table
2. Purchases Table
3. products Table
4. Orders Table.

*Products and Orders are the only tables that the workers interact with, customers to buy the products for their business.

* Suppliers and Purchases are the only tables that the workers interact with Customers for buying products from other medium or large scale companies.

=>Each product (for example books) bought in bulk order will be individually given an SKU (Stock Keeping Unit). Unique products will have unique SKUs.

=>A product of same type (for example all the *hardcover* books Dracula by Bram Stoker will have a unique SKU and all the *paperback* .

Sample scenarios

When a customer buys a products, then the worker from the business will enter the order details into the frontend to update the tables. And the frontend will also show the remaining number of the same product.

A manufacturer of durable goods may use inventory information to control the costs of raw materials and maximize margins while food manufacturer give the priority to fast turnover of inventory to ensure the freshness and by this we can understand that it's the way that inventory information is used

Who can use this applications in real life

Companies often use inventory management software to reduce their carrying costs. The software is used to track products and parts as they are transported from a vendor to a warehouse, between warehouses, and finally to a retail location or directly to a customer.

Our project is to develop inventory management system which is user friendly and it is easy for user to use it and by using this software to manage the inventory properly and minimum investment and then get the maximum profit on the investment.