

Warehouse Management System

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Project Guide, Guru Gobind Singh Polytechnic

I Abstract

A warehouse management system (WMS) is a very important a part of the provision chain and is primarily to manage the movement and storage of materials at intervals a warehouse and to method connected transactions as well as shipping and lifting. Systems direct and optimise stocks based on real-time information about large stock positions. Monitors the progress through a WMS warehouse. The warehouse management system is a real-time warehouse database fitted to handle large inventions of an association. Be that as it may, the system only records sales and information and reports short stocks in any sector at predetermined intervals.

II Introduction

The main goal of Warehouse Management System is to ensure consistent availability of supplies for consumers. Thus, Warehouse Management System is directed toward owners of small to large stores and stock managers who are responsible of maintaining sufficient goods on hand in a retail or manufacturing business. It can scale from a single computer running both client and server software up to multiple stores and warehouses.

The system is also capable of tracking In & Out transaction of single or multiple stores as well as also generates their billing details. The system generates monthly reports of sales from which a manager of a respective store would be able to know the monthly

sales transaction done.

Warehouse Management system is a Desktop application.

III Literature Survey

Products are considered as the business resources for the organization. This includes managing the product with appropriate way to review any time as per the requirement. Therefore it is important to have a computer based IMS which has the ability to generate reports, maintain the balance of the stock, details about the purchase and sales in the organization. Before developing this application we came up with 2Inventory Management System existing in the market, which helps to give the knowledge for the development of our project. These application software are only used by the large organization but so we came up with the application which can be used by the small company for the

management of their stock in the production houses. After analyzing the other inventory management system we decided to include some of common and key features that should be included in every inventory management system. So we decided to include those things that help the small organization in any way or other.

IV Existing System

Existing system was manual.

Time consuming as data entry which include calculations took lot of time.

Searching was very complex as there could be 100's of entry every year. The proposed system is expected to be faster than the existing system.

V Problem Definition

The objective of "warehouse Management System" is to allow the administrator of any organization to edit and find out the details of a product, and allows the authority to maintain this system. It'll also facilitate keeping all the records of workers, such as their id, name etc. So all the information about a product and workers will be available in a few seconds.

VI Proposed Methodology of Solving Identified Problem

System Modules- Admin Panel Employee Panel Manage System Details User Management

Suppliers and Customer Management Maintain Incoming Goods

Maintain Outgoing Goods Goods Transaction

View Adjustments View Reports Download Reports

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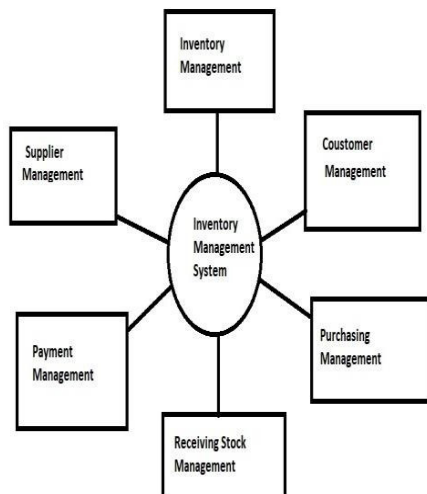
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IX Resources & Consumables Required

Hardware Requirement for Development of Project: (minimum)

Processor : Intel core i3 Ram: 4 GB (min)
Hard disk : 128GB

Software Requirement for Development of Project: (minimum)

Operating System: Window 7. Front End: Bootstrap4,css,Html Back End: MySQL, PHP
Code editor: Visual Studio, Sublime text

X Advantages and Disadvantages

System is capable to provide reports on monthly basis. System allows admin to generate a bill for every In & Out transaction.

Speed and Efficiency: A computerized warehouse management system makes everything from inputting information to taking inventory easier. The most effective warehouse system products raise your operating performance which leads to more productivity. It ensures smooth production operations by maintaining reasonable stocks of materials.

Lowering of Costs: Many companies invest huge amounts of money for his or her warehouse.

It facilitates regular and timely supply to customers through adequate stocks of finished products.

Accuracy Issues: A computerized system alone does not ensure accuracy, and the warehouse data is only as good as the data entry that created it.

The control of inventories is complex because of the many functions it performs. It should be viewed as shared responsibilities.

XI Future Scope:

Since this project was started with very little knowledge about the Warehouse Management System, we came to know about the enhancement capability during the process of building it. Some of the scope we can increase for the betterment and effectiveness our listed below:

Interactive user interface design. Manage Stock Go down wise.

Use of Oracle as its database.

Online payment system can be added. Making the system flexible in any type.

Sales and purchase return system will be added in order to make return of products.

Lost and breakage

XII Conclusion

During the implementation of the system, the following conclusion notice:

- 1) Ability to define an infinite number of items.
- 2) Ability to deal with part number.
- 3) Strengthen the possibility of inventory valuation in multiple ways, such as the possibility of inventory to assess their last purchase price or inventory evaluate their last sale price or assess the stock price to buy or sell the basic price.
- 4) Strengthen the possibility of using units of measurement for the class. As it is in some of the activities to be dealt with product quantity.
- 5) Strengthening the possibility of more than one sale price class definition. As, in some cases it is possible to be selling the same product in different outlets but at different prices.
- 6) Strengthen the possibility of unified numbering of documents.
- 7) Strengthen the possibility of defining a minimum and demand (reorder point) and a maximum for each class. As the system is doing automatically alert at any point from the previous points. With a report showing the quantities required during a specified period.
- 8) Ability to Advanced Search for items set multiple tools most important code, name, part number, classification and type and supplier.
- 9) Ability to export reports to PDF.

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