



QUICK WAREHOUSE

Manage Warehouse

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Abstract

Quick Warehouse is a web Tool. In Quick warehouse Different level of users are involved here they can view stock details, order details, sales. By using Quick Warehouse automatically the users can fetch details of the stock, purchase order whenever the customer purchases the product the Quick Warehouse System automatically updates the stock of the product. So, Quick Warehouse is much useful to the users to maintain the details about the products.

It is useful for users to know about the products stock, orders, and sales whenever they want to check easily as it takes less time in mandatory checking they have to maintain many files which takes much time to check about particular product sales and all the details. So to overcome the problems in the mandatory maintenance, the quick warehouse system can give the quick and accurate details of the product in less time.

I. TITLE AND AFFILIATION

Quick Warehouse is the title of the software and affiliated to Visvesvaraya Technological University, Belgaum (VTU).

II. INTRODUCTION

Any organization or companies have one or many warehouses. These warehouses considered most important and complex part which responsible for:

- Minimizing costs.
- Increasing the customer service level.

Therefore this part required to planned, managed and controlled to achieve the main purposes. Quick Warehouse needs to work synchronously with other departments with the inter-related activities. To achieve the two

basic functional objectives related to investment cost and service level, the warehouse system should be designed with the following points:-

- Represent the quantitative strategies to achieve operational consistency.
- Select the least complex viable to ensure that the performance is normal estimations.
- Provide fitting levels of data to be accessible to test, and override framework choices.

III. PROPOSED METHOD

Quick Warehouse is being developed to make the inventory management and stock management carry out in a faster and quick method without much of manual errors also it can help in tracking the historical records. Proposed system is followed as.

- To develop a web application that deals with the day to day requirement of any production organization
- To develop the application for easy management of the stock.
- To handle the inventory details like sales details, purchase details, and balance stock details.
- To provide a competitive advantage to the organization.
- To provide details information about the stock balance.
- To make the stock manageable and simplify the use of inventory in the organization.

In comparison quick warehouse system with the warehouse management system or inventory management system present in market, there are no application or website which has a complete system to carry out the stocks from the production to the stock delivered to end user in

a single platform application.

IV. LITERATURE SURVEY

According to the survey, a recent Supply Chain the top retail and related companies reveals that too many organizations under-utilize their Warehouse Management System (WMS) their investment are not making any upgrade and replacement with their present system. Survey also finds out that WMS solutions vary in cost and complexity, but there are three basic sources. Such as Manhattan Associates, Red Prairie, and High Jump Software, which offer standalone WMS products or inherit extended supply chain execution software suites.

Although many companies are implementing these solutions to boost the operations, too many companies do not take their investment to the next level by continually evaluating the results how well they employ their WMS and seeking future improvement opportunities, Analyzed Report says 45% of the WMS solutions are internally or custom developed. Customization still plays a major role in many implementations. 20% use a third-party hosting service to access their WMS solutions. Only 38% are using task interleaving functionality within their WMSs.

About 60% of the respondents report that they perform a post- implementation audit of their supply chain technology investments.

Half of the respondents use their systems to schedule appointments for their receiving docks. 88% percent of the respondents indicate that their WMSs are integrated into a customer or store management system.

Survey finds that the majority of respondents use their WMS solutions to support receiving, picking and shipping, other functions such as packing, labor management, cycle counting, slot management, dock management and yard management, are Insufficiently utilized.

V. IMPLEMENTATION

There are three main modules in the project which gives a complete in and out behavior of the software. Admin is a top module in the software were admin can access all user details and adds products which can be purchased. Next comes Warehouse Manager module were a warehouse manager can add new products to the warehouse and update the same in the software and view the details of the products. Store

Manager is the end module were a store manager adds request to purchase the products from the warehouse with the client details to whom the product is requested. The (fig 1.1) below illustrate the behavior of the software followed with UML diagrams

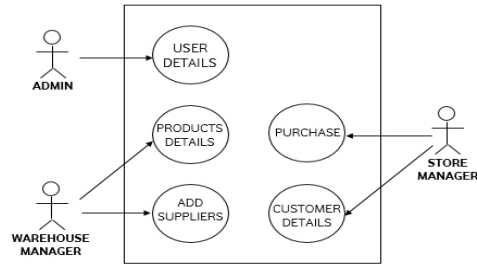


Fig 1.1

Here is a detailed data flow view of the software (fig 1.2) in which we have inventory management, purchase management, stock management with its respective report generations.

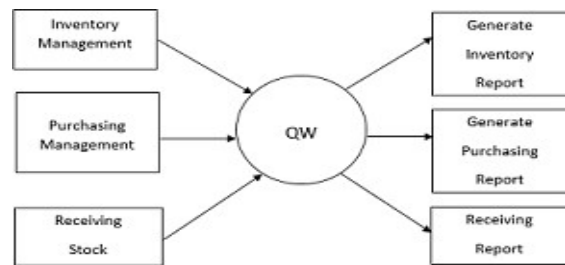


Fig 1.2

Implementation of Stock purchase done and update by warehouse Manager (fig 1.3) and stock sales done by store manager (fig1.4)

Stock purchase updated by Store Manager

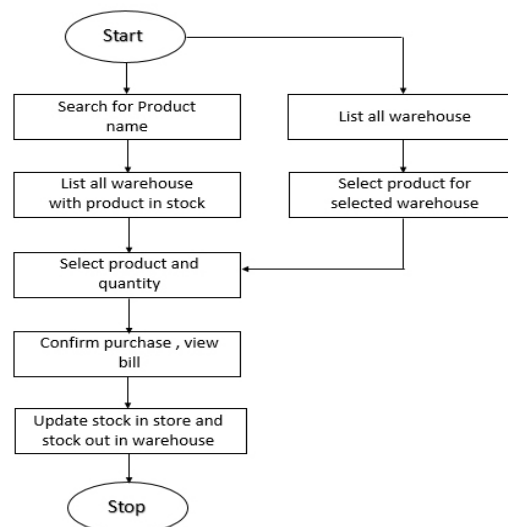


Fig 1.3

Stock sales updated by Store Manager

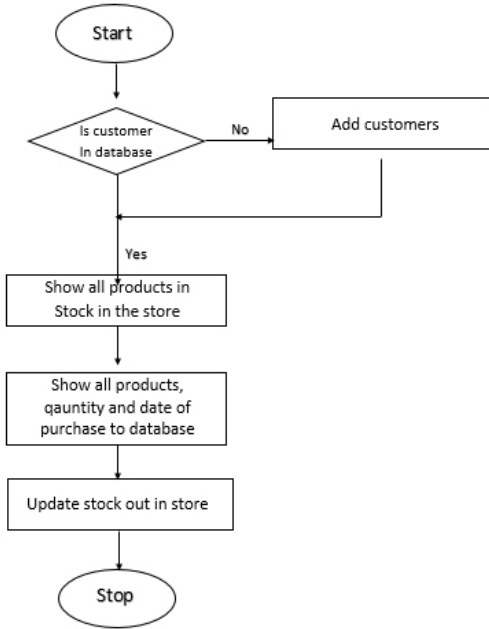


Fig 1.4

Quick warehouse system’s real time screen data analyses (fig 1.5) illustrates adding of new product to database.

Admin creating new product which can be purchased by warehouse.

Barcode:

CategoryId:

Product Name:

Brand Name:

Weight:

Unit:

ManufactureDate:

ExpiryDate:

ValidTill:

CostPrice:

SellingPrice:

Admin rights to create, view and delete users. (fig 1.6)

Filter By UserName

- Enroll New User
- View All Administrators
- View All Store Managers
- View All WareHouse Managers

Contact Number	UserName	RoleName	Edit Delete
	admin123	Administrator	
1234567890	smanager123	StoreManager	Edit Delete
1234567890	smanager234	StoreManager	Edit Delete
8977362311	smanager456	StoreManager	Edit Delete
2134567890	wmanager123	WarehouseManager	Edit Delete

Fig 1.6

In (fig 1.7) webpage warehouse manager performing purchase request from suppliers.

PurchaseDate:

SupplierId:

Warehouse Manager:

Product Name	Brand Name	Quantity
<input type="checkbox"/> Sona Masuri	VRS	0
<input type="checkbox"/> Whole wheat Atta	ashirvad	0
<input type="checkbox"/> Toor Dal	NMS	0
<input type="checkbox"/> Green Gram	ERT	0
<input type="checkbox"/> 19 Inch Monitor	LG	0
<input type="checkbox"/> KeyBoard	Dell	0
<input checked="" type="checkbox"/> Samsung RT27JARZERY	Samsung	7
<input type="checkbox"/> vivo v9	vivo	0

BillPrice:

Fig 1.7

In figure (fig 1.8) billing process is being performed by store manager for customers.

StorePurchase

SalesDate:

Customer:

Store Name:

Store Manager Id:

StoreId:

Product Name	Available Quantity	Quantity	Selling Price
<input checked="" type="checkbox"/> Samsung RT27JARZERY	5	1	29990

BillPrice:

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Fig 1.8

VI. CONCLUSION

To conclude, Quick Warehouse is a simple web-based application basically suitable for a small organization. It has every basic item which is used for the small organization. I am successful in making the application where we can update, insert and delete the item as per the requirement. This application also provides a simple report on daily basis to know the daily sales and purchase details.

This application matches for a small organization where there small limited godown's. Through it has some limitations, I

strongly believe that the implementation of this system will surely benefit the organization.

REFERENCES

- [1] ASP.NET: The Complete Reference by Matthew Macdonald from "Tata McGraw-Hill Education", Jan 2002.
- [2] Mastering Visual Studio 2017 by Kunal Chowdhury, Edition 1, 27th July 2017.
- [3] Mastering C# and .NET Framework 1st Edition by Marino Posadas, Edition 1, 15th December 2016