

Inventory Management System for Mobile Showroom

Ajinkya A. Babar*, Manoj G. Dhanwale, Prof. Swati Patil, Ratnamala R. Sale, Poonam R. Salunke

Department of Computer Science and Engineering, Karmayogi Engineering College, Punyashlok Ahilyadevi Holkar Solapur University, India

*Corresponding author

doi: <https://doi.org/10.21467/proceedings.118.52>

ABSTRACT

Inventory management and supply chain management (SCM) is the backbone of any business operations. With the development of technology and the availability of process-driven software applications, inventory management has undergone revolutionary changes. In any business. Inventory Management System project is developed for making present system paperless and more digitalized [1]. Inventory Management System aims to control manual work in the showroom, to maintain their performance, records and to provide security to stored data. Inventory is always dynamic. Inventory management requires constant and careful evaluation of external and internal factors and control through planning and review. Most organizations have a separate department or job function called inventory planners (IP) who continuously monitor, control, and review inventory and interface with production, procurement, and finance departments. This is a desktop-based application, this is an effective method of Inventory Management System. Based on the collected data and via analyzing records, estimated arrival stock is computed and transmitted to all relevant segments. Inventory Management System will be reduced the manual work. Time is precious in today's fast-moving life. The wastage of time by waiting long in the queue for getting Inventory bill can be avoided by Inventory Management System.

Keywords: supply chain management (SCM), inventory planners (IP).

1 Introduction

Nowadays Many of us want the work to be done at a faster rate. So, to achieve this goal we are introducing this Software. This software is very handy and user-friendly because we create this in their understandable language (Marathi). So, this application will help in reducing pen and paper transactions to a computerized transaction. Even this application can help small enterprises also. The user interface must be simple and easy to understand. The aim is to manage its existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data can be stored for a longer period with easy access and manipulation of the same.

Inventory is one of the important systems that must be well managed to ensure daily business activities run smoothly. Using this Software customers as well as owners can *get all* the information about a specific mobile phone and the Stock management for the owner and related all transactions to use this software.

2 Theory

The main objective of the Mobile Showroom System is to manage the details of Customers, Stock, Mobile, Payment, Sells. It manages all the information about Customers, Brands, Sells, Customers. The project is built at the administrative end and thus only the administrator is guaranteed access. The purpose of the project is to build an application program to reduce the manual work for managing the Customers. Stock Brands of Mobiles. It tracks all the details about the Mobiles, Payments, and Sells.



The objective of the project is to provide an efficient inventory control whose main functionality apart from calculating the inventory include predicting the requirement for the next order and also if there is a "Special Occasion" then accordingly the owner selects the particular occasion and extra requirements are added to the next issuing order to the company. which needs to be approved by the owner of the showroom. The product also aims to keep track of the shelf life of resources. If any devices are near the end of their shelf life, it would intimate to the owner (admin) the details of the quantity that is near its expiration date. The success criteria depend on:

- The accuracy in maintaining the inventory levels.
- The accuracy in predicting the requirements of the next order.
- Ease of use when it comes to updating inventory levels and placing orders to the company.

3 Results and Discussion

Application

1. As the software is to be developed in the native language, it becomes handy to all users.
2. Easy to billing. simple purchasing entry, end to end inventory management, Managing the customer and supplier account.
3. Monitor your mobile showroom transaction.
4. Manage customer history, Sales leads, capture mobile IMEI and battery serial numbers easily.
5. Stock management is simple with our software.
6. Helps to maintain transparency and efficiency.

Advantages

1. It Saves Time.
2. It Saves Money.
3. Reliable for all Users.

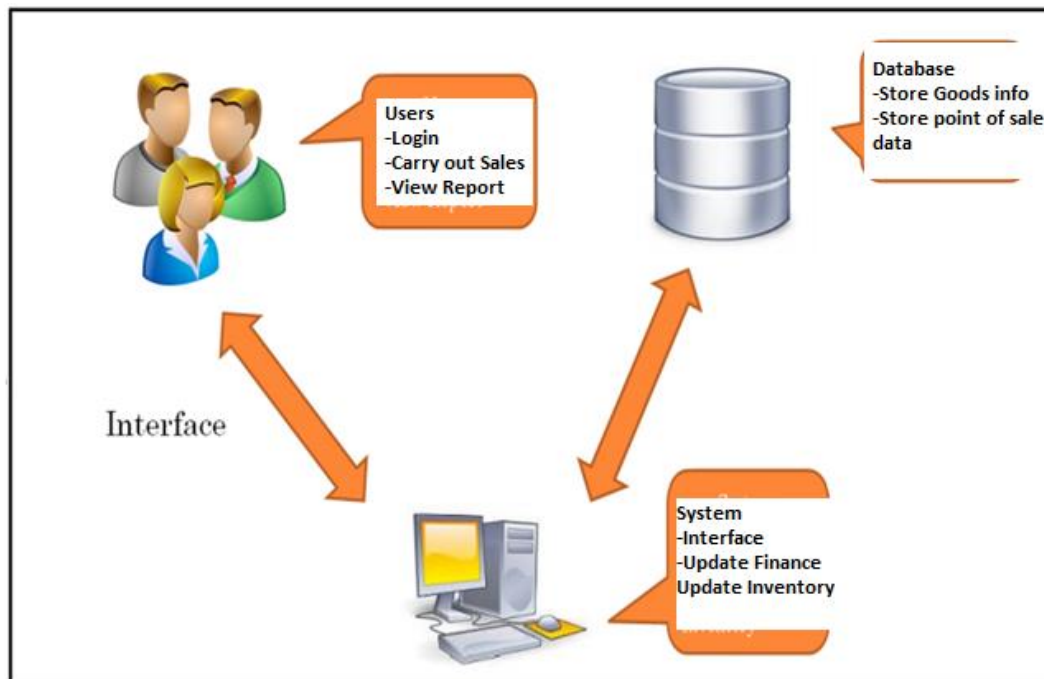


Figure 1: Framework of the system

The users here include:

- Administrators of the system who can log in and modify the information of goods.
- Staff who are responsible for processing sales.

The system will include:

- A user-friendly interface.
- A database: to store all the information.

Inventory Management System has one main generated from the main activities. The activity started with the customer selects products and bring to the cashier for payment to start the sale for that transaction. The admin will process the sale by the model number of each item and the system will retrieve the description and price of items and present it on the Point of Sale. A list of items also will be created and subsequent items will be added to the list. Finally, the total will be calculated by the system and payment will be received from the customers. When payment is made, the transaction receipt will be print and given to the customer. At the same time, another two activities will take place upon the sales is done which is updating the inventory and updating the finance part.[2]

4 Conclusions

- Stock management was improved.
- The system helps to store all the data about the customer orders on the computer and there is no need to do paperwork.
- Data is going to be preserved carefully for a longer period.

References

- [1] N. G. Wagh, "INVENTORY MANAGEMENT TECHNIQUE", "Mahindra CIE Automotive LTD.", (2017-2018).
[2] R. B. A. Aleem, "Sales and Inventory Management System", September -2013.