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A Mini Project Synopsis on

"INVENTORY MANAGEMENT SYSTEM"

For

Submitted in partial fulfillment for the Vth semester DBMS Laboratory with Mini Project [17CSL58]

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❖ INTRODUCTION:

The Inventory Management System has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and reduce the hardships faced by the existing system. This system is designed for the particular need of the company to carry out operations in smooth and effective manner. The application has reduced as much as possible to avoid the errors while entering the data. It also provides error message while entering invalid data. No formal language is needed for the user to use this system.

❖ OBJECTIVE:

The main objective of the Retailer Management System is to manage the details of Stock, Payments, Sales, Discounts and Products. The purpose of the project is to build an application program to reduce manual work for managing Products, Inventory, Sales and Payments.

❖ SCOPE OF PROJECT:

This application can be used collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Retail management & collection procedure will go on smoothly.

❖ PLAN OF WORK:

In this phase, a logical system is built which fulfills the given requirements. Design phase of software development deals with transforming the clients requirements into a logically working system. Normally design is performed in the following two steps.

1. Primary Design Phase:

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimizing the information flow between blocks. Thus, all activities which require more interaction are kept in one block. When we are managing products with respect to stock is difficult. So, here we are dealing with one special user admin. He is the one user who controls and monitors entire system with respect to all condition. The data stored through the terminals or the managers' workstation will be stored.

2. Secondary Design Phase:

In the secondary phase the detailed design of every block is performed.

The general tasks involved in the design processes are the following:

1. Design various blocks for overall system processes.
2. Design smaller, compact and working and workable modules in each block.
3. Design various database structures.
4. Specify details of programs to achieve desired functionality.
5. Design the form of inputs and outputs of system.
6. Perform documentation of the design.
7. System reviews.

❖ REQUIREMENTS:

Software Requirements:

- Operating system: Windows 7, Windows 10, Linux
- Development Tool: Sublime Text
- Language: PHP.
- Database: MySQL Server
- Browser: Any of Mozilla, Opera, Chrome etc.

Hardware Requirements:

- Processor: Intel core
- RAM: 128 MB
- Hard disk: 4 GB
- Monitor: 15* color monitor

❖ LITERATURE SURVEY:

Existing System

In the existing system the exams are done only manually but in proposed system we have computerized exams using this application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- Difficult to find errors.
- Lack of knowledge of remaining stock.
- Lack of proper information of transaction.

- Insecure information of stock.
- Lack of standardization

Proposed System

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides security and reduces the manual work.

- Security of data.
- Ensure data accuracy.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- Greater insight.
- User friendly and interactive.
- Maintain quantity record.
- System need to keep the record of payments.
- System need to update and delete the record.
- System also needs a search area.
- Integrate your entire business
- It also needs a security system to prevent data.
- Automation of manual works.

❖ ER – Diagram:

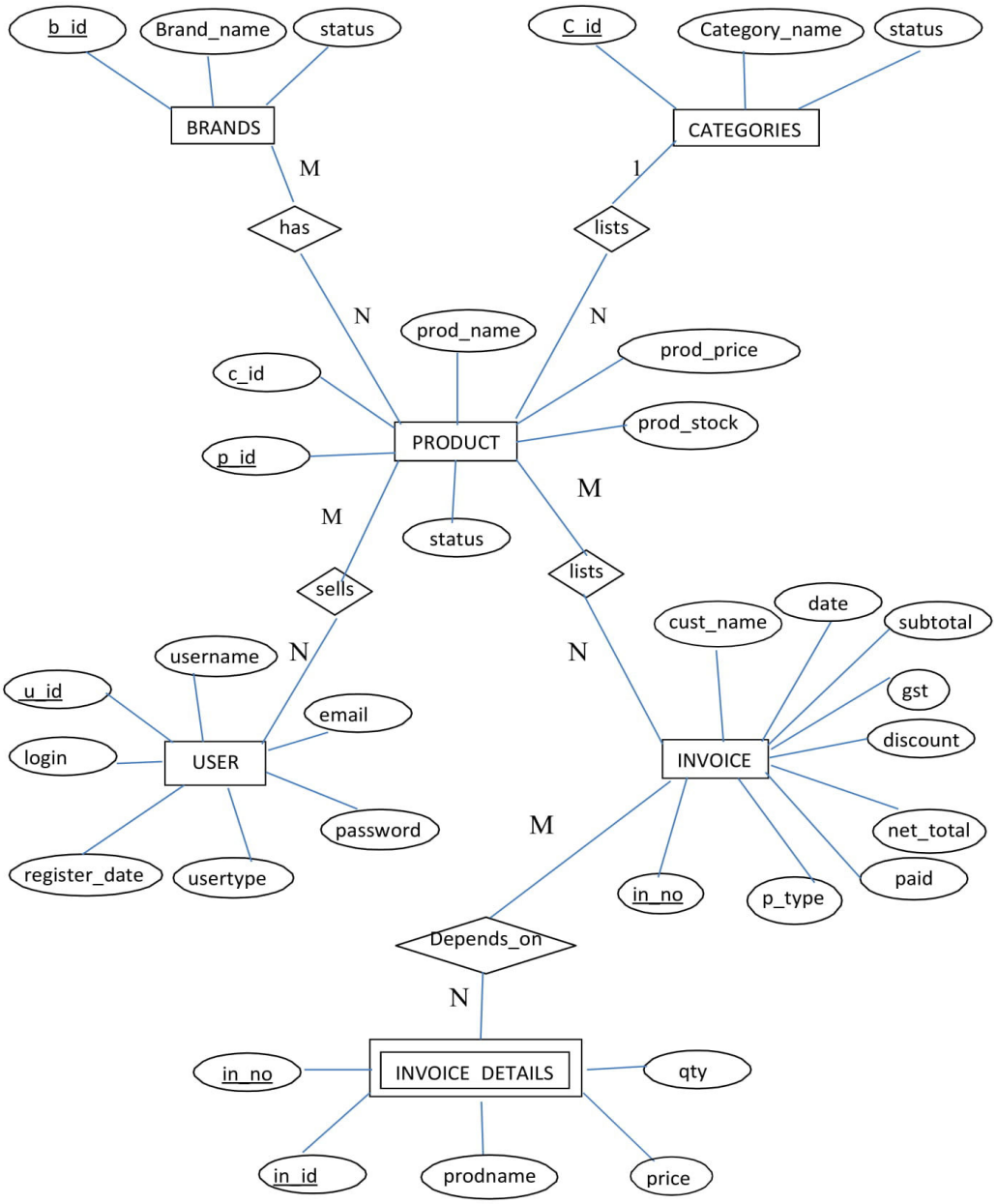

Fig: ER Diagram

❖ REFERENCES:

[1] Web – Based Intelligent Inventory Management System, International Journal of Trend in Scientific Research and Development, Volume 1(4), ISSN: 2456-6470.

[2] www.w3schools.com