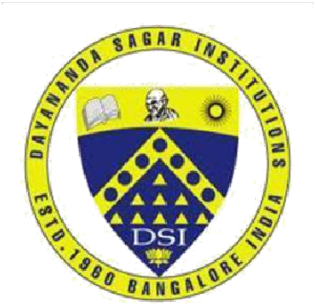
DAYANANDA SAGAR COLLEGE OF ENGINEERING

(An Autonomous Institute affiliated to VTU, Belagavi, Approved by AICTE & ISO 9001:2008 Certified)
Accredited by National Assessment & Accreditation Council (NAAC) with 'A' grade, Shavige Malleshwara

Hills, Kumaraswamy Layout, Bengaluru-560078.



Mini Project Report
(Partial Requriment for DBMS AAT)
on
INVENTROY MANAGMENT

Submitted By

Vikas Anaipur 1DS17CS120
V.V.Haswant Sai 1DS17CS119
Vikash Kumar 1DS17CS121

[Fourth Semester B.E (CSE)]
in

DATABASE MANAGMENT SYSTEM

Under the guidance of
Prof. Anupama V P
Assistant Professor
Dept. of CSE
DSCE, Bangalore

Department of Computer Science and Engineering
Dayananda Sagar College of Engineering
Bangelore-78

ABSTARCT

This project is aimed at developing a desktop based application named Inventory Management System for managing the inventory system of any organization. The Inventory Management System (IMS) refers to the system and processes to manage the stock of organization with the involvement of Technology system. This system can be used to store the details of the inventory, stock maintenance, update the inventory based on the sales details, generate sales and inventory report daily or weekly based. This project is categorize individual aspects for the sales and inventory management system. In this system we are solving different problem affecting to direct sales management and purchase management. Inventory Management System is important to ensure quality control in businesses that handle transactions resolving around consumer goods. Without proper inventory control, a large retail store may run out of stock on an important item. A good inventory management system will alert the wholesaler when it is time to record. Inventory Management System is also on important means of automatically tracking large shipment. An automated Inventory Management System helps to minimize the errors while recording the stock.

TABLE OF CONTENT

INTRODUCTION

The project Inventory Management System is a complete desktop based application . The main aim of the project is to develop Inventory Management System Model software in which all the information regarding the stock of the organization will be presented. It is an intranet based desktop application which has admin component to manage the inventory and maintenance of the inventory system. This desktop application is based on the management of stock of an organization. The application contains general organization profile, sales details, Purchase details and the remaining stock that are presented in the organization. There is a provision of updating the inventory also. This application also provides the remaining balance of the stock as well as the details of the balance of transaction. Each new stock is created and entitled with the named and the entry date of that stock and it can also be update any time when required as per the transaction or the sales is returned in case. Here the login page is created in order to protect the management of the stock of organization in order to prevent it from the threads and misuse of the inventory.

TECHNOLOGY USED

FRONT- END:

Javafx,Scene Bulder (FXML) , 8 Jefonix 9 ,ControlsFx , CSS , Sqllite-connecter , Barcode4j , xampp, Fontawsome 2.3

BACK END:

Java,Mysql Database

Features of Project

This application is used to show the stock remaining and details about the sales and purchase. It gives the details about the stock on daily based and weekly based. The details components are described below:

Login page: As application starts the login page appears.Admin login is determined by the username and password that has all the authority to add, update and delete the stock of the organization as per the requirement.

Product entry: It show the details about the various products entered using the add button in a tabular form.

Customer details:It show the details about the various customers entered using the add button in a tabular form.

Supplier details:It show the details about the various supplier entered using the add button in a tabular form.

Barcode: The barcode section enables the user to make the barcodes for the data entered in the product entry and stors the barcode images in the barcode folder.

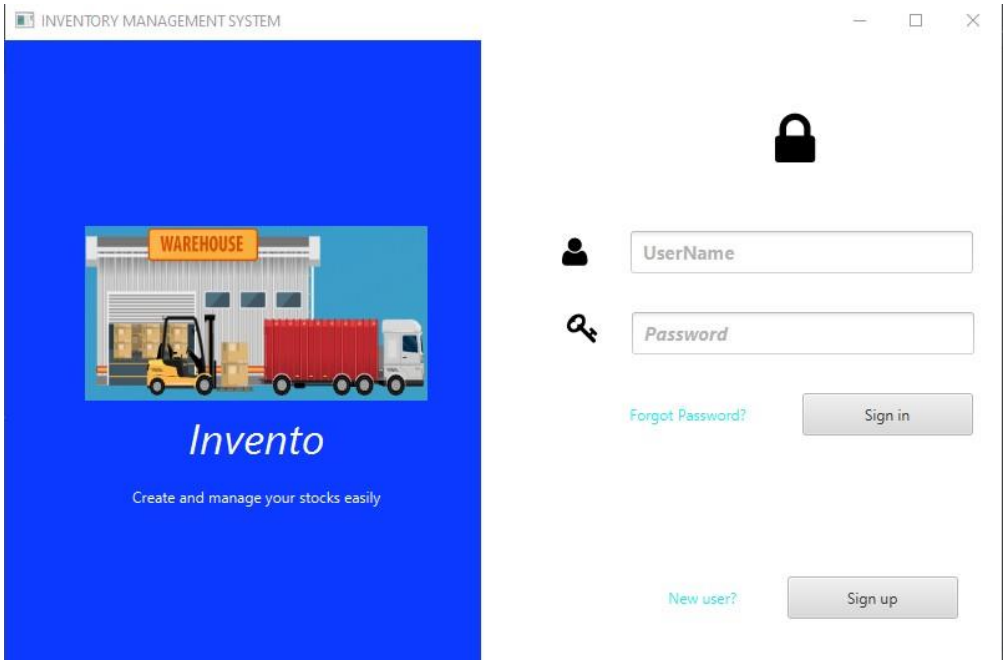
Sales details: It show the details about the sales and the remaining stock of sales. It also show the details about the sales in return.

Purchase details: It shows the details about the purchase made by the organization along with the price and dates.

Reports: It shows the graphical representation of details about the purchase and sales of any day or month so that owner can have idea about about warehouse.

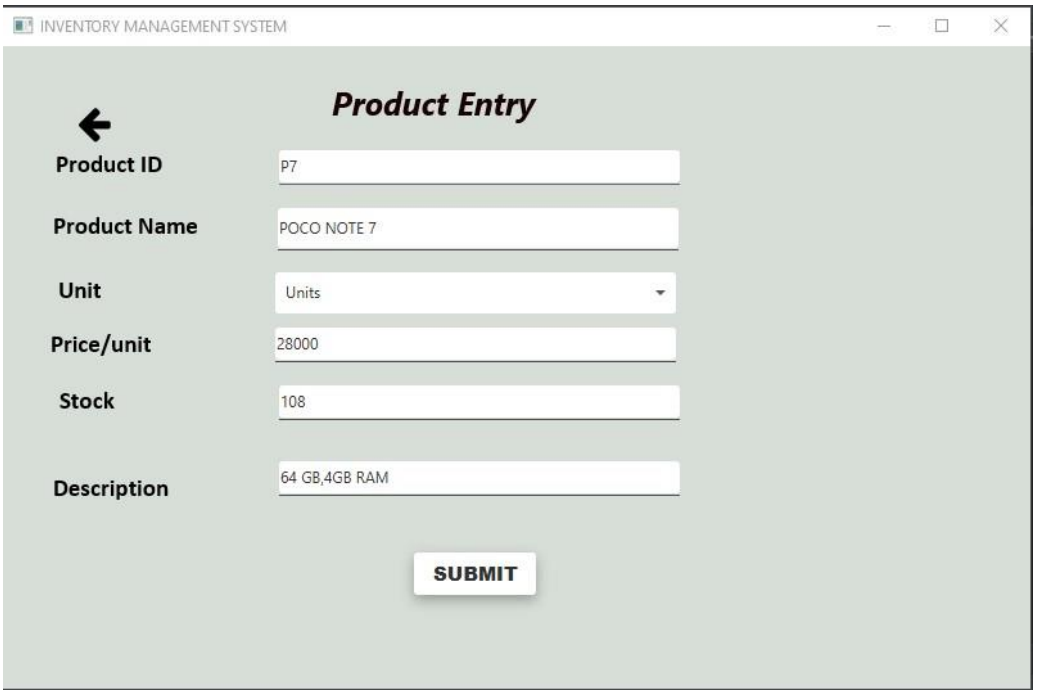
DESIGN/IMPLEMENTATION

- LOGIN PAGE

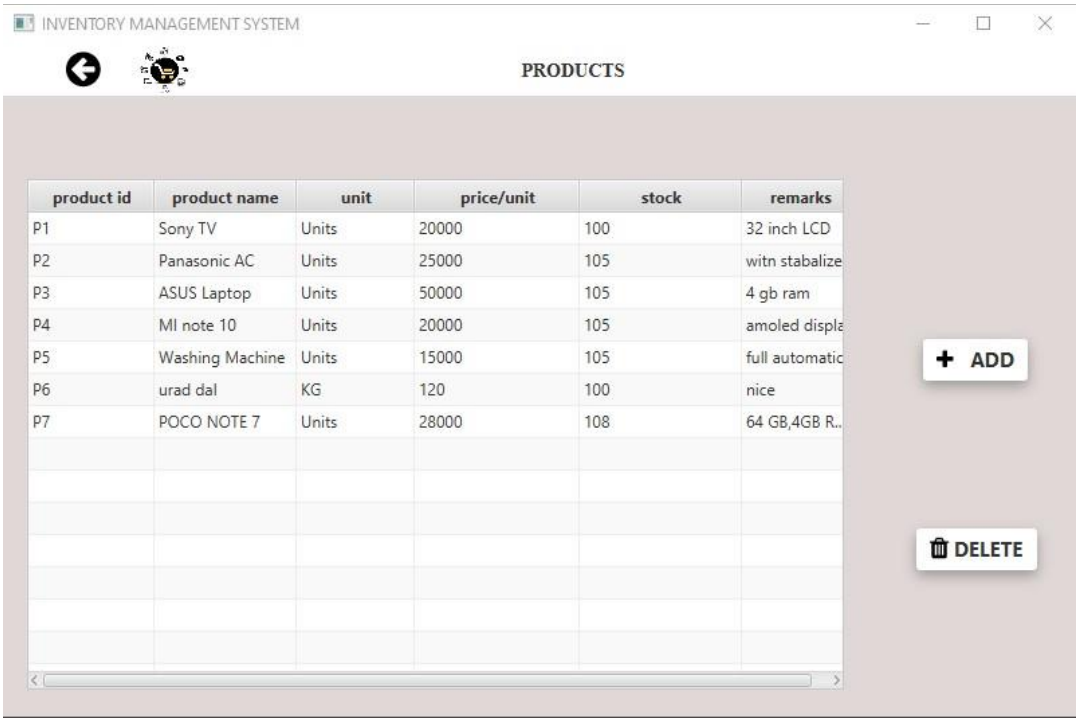


- HOME PAGE

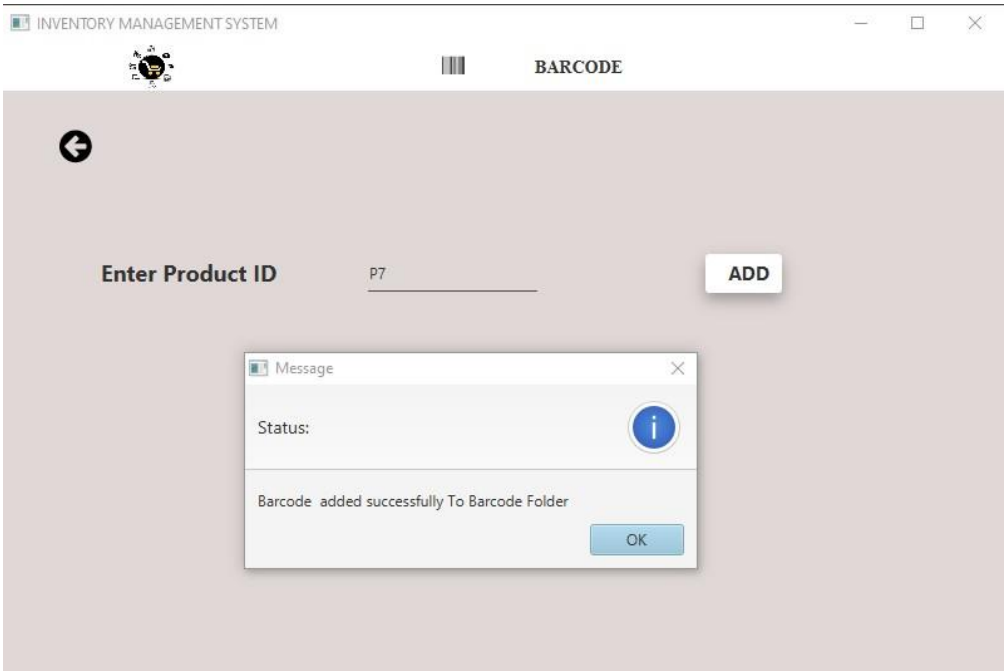
❖ PRODUCT ENTRY



❖ PRODUCT TABLE

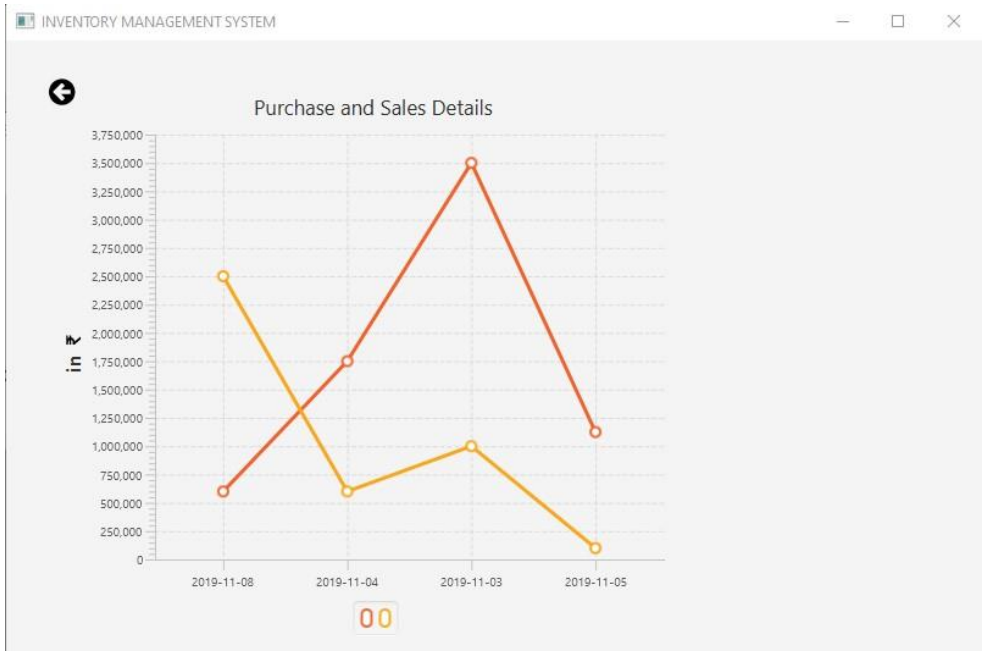


❖ BARCODE GENERATOR




10
p1
P4
P6
P7
P13

❖ REPORT


INVENTORY MANAGEMENT SYSTEM
Purchase and Sales Details
3,750,000
3,500,000
3,250,000
3,000,000
2,750,000
2,500,000
2,250,000
2,000,000
1,750,000
1,500,000
1,250,000
1,000,000
750,000
500,000
250,000
0
in ₹
2019-11-08
2019-11-04
2019-11-03
2019-11-05
00

REFERENCES:

- Stack owerflow
- Advanced java
- Youtube