1. INTRODUCTION

1.1 Overview

Retail inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too much on hand. By managing inventory, retailers meet customer demand without running out of stock or carrying excess supply.

In practice, effective retail inventory management results in lower costs and a better understanding of ales patterns. Retail inventory management tools and methods give retailers more information on which to run their businesses. Applications have been developed to help retailers track and manage stocks related to their products. The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application.

Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock. They can view details of the current inventory. The System will automatically send an email alert to the retailers if there is no stock found in their accounts. So that they can order new stock.

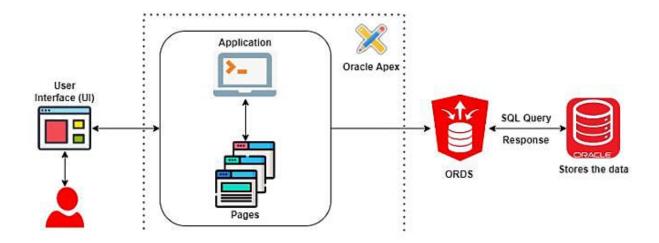
1.2 Purpose

Retail inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too much on hand. By managing inventory, retailers meet customer demand without running out of stock or carrying excess supply.

In practice, effective retail inventory management results in lower costs and a better understanding of sales patterns. Retail inventory management tools and methods give retailers more information with which to run their businesses.

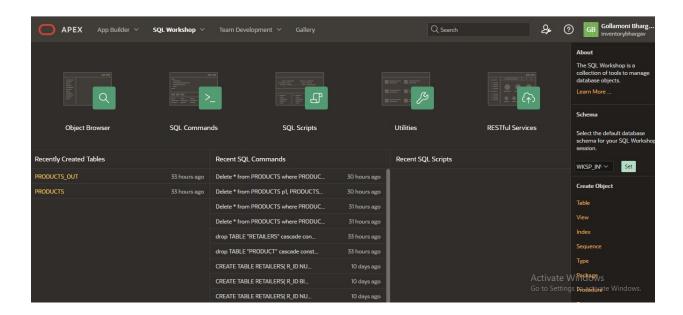
2.THEORITICAL ANALYSIS

2.1 Block Diagram

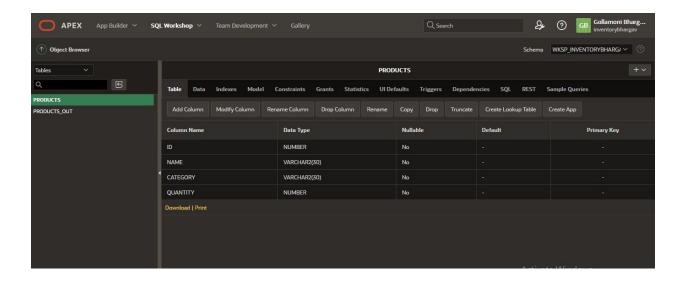


3. RESULT

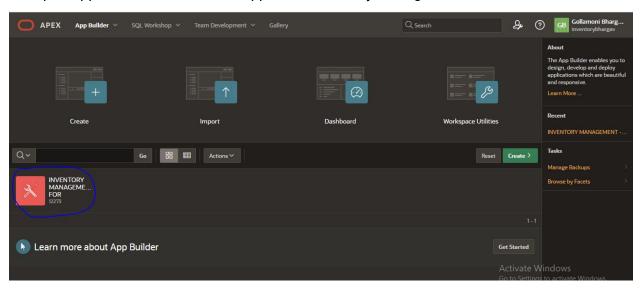
3.1: Created a workspace and logged in and opened the Sql Workshop to create the tables.



3.2: Created a Products table with given fields.



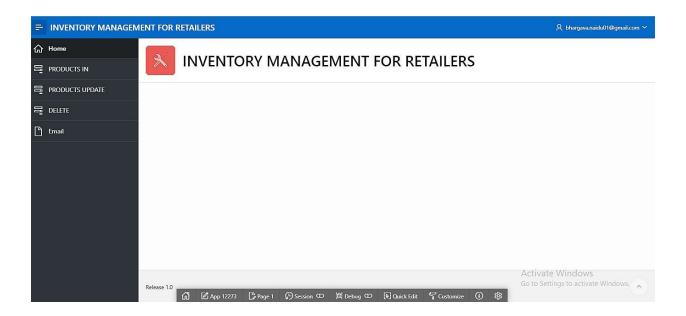
3.3 Open App Builder and create an App called Inventory Management for Retailers.



3.4 The below given forms are the required forms which i have created, Global Page , login page and home page are by default.



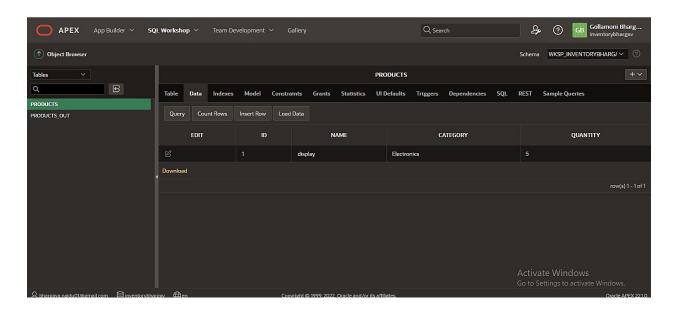
3.5 After running the application. Choose product in form.



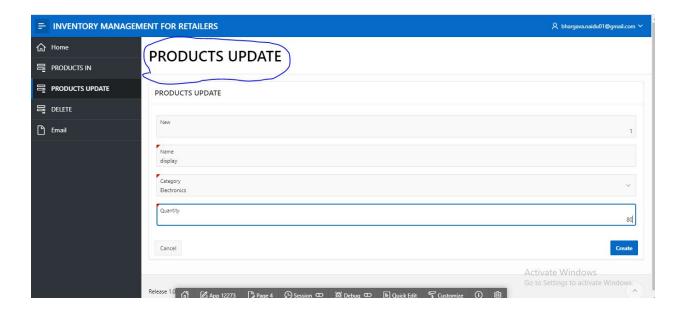
3.6 Filling the details the data get updated in database.



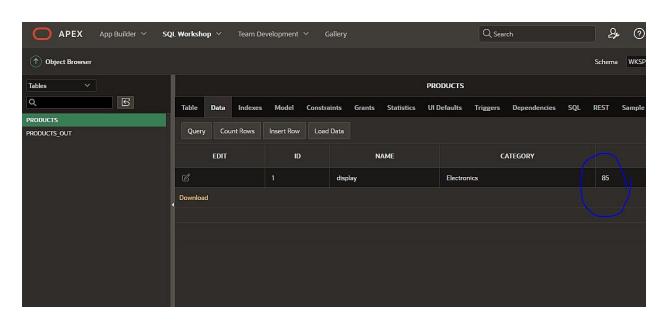
3.7 Data is added in database



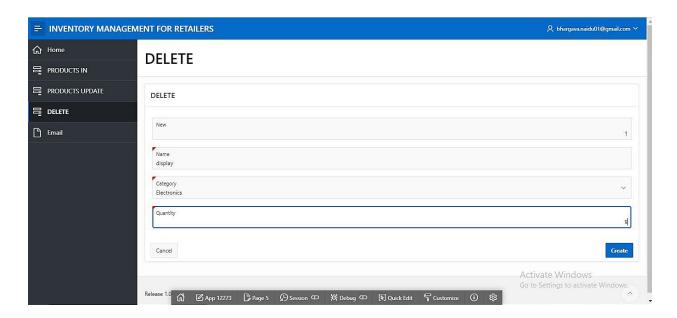
3.8 To add more data we can use Products update form to add the data of the products details. In this step we are adding the extra quantity. So this quantity will be added to previous data.



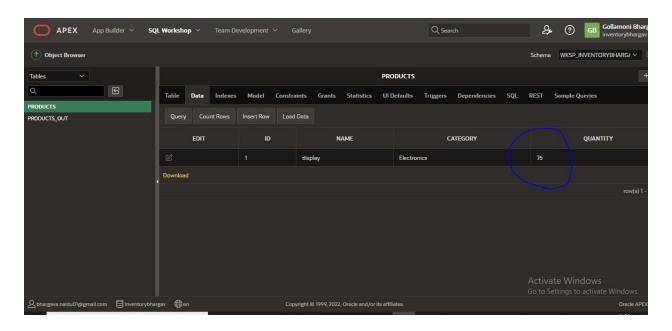
3.9 Quantity got updated



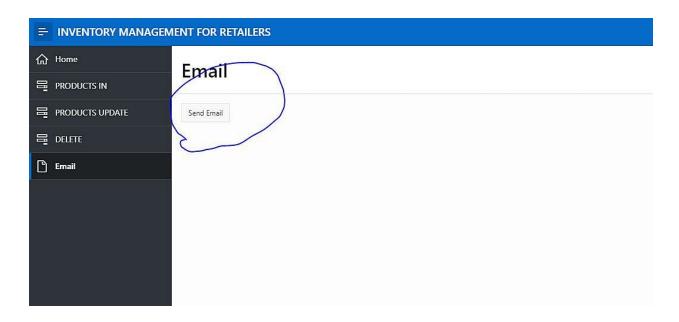
3.10 To delete products we can use Delete form.



3.11 Here we are deleting few quantity so below quantity is updated one.



3.12 If the products are less i.e if there is no stock, i created an automatic email This send email button will be clicked automatically when there is no stock.



4. ADVANTAGES AND DISADVANTAGES

4.1 Advantages

- 1. It helps to maintain the right amount of stocks
- 2. It leads to a more organized warehouse
- 3. It saves time and money
- 4. Improves efficiency and productivity
- 5. A well-structured inventory management system leads to improved customer retention

4.2 Disadvantages

- 1. Bureaucracy
- 2. Impersonal touch
- 3. Production problem
- 4. Increased space is need to hold the inventory
- 5. Complexity

5. CONCLUSION

Effective inventory management requires a strategic approach to operate optimally. Inventory management systems are not only used by large companies but also small and medium-sized businesses. Choose the best stock system that suits your business. Integrating the Purchasing System with stock system will help you plan inventory costs, control the procurement of goods, and manage orders better.

APPLICATION URL:

https://apex.oracle.com/pls/apex/r/inventorybhargav/inventory-management-for-retailers1/login?session=9647190732541

Workspace: inventorybhargav

Username: <u>bhargava.naidu01@gmail.com</u>

Password: **Bhargava@567**