INVENTORY MANAGEMENT FOR RETAILERS

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

INVENTORY MANAGEMENT FOR RETAILERS
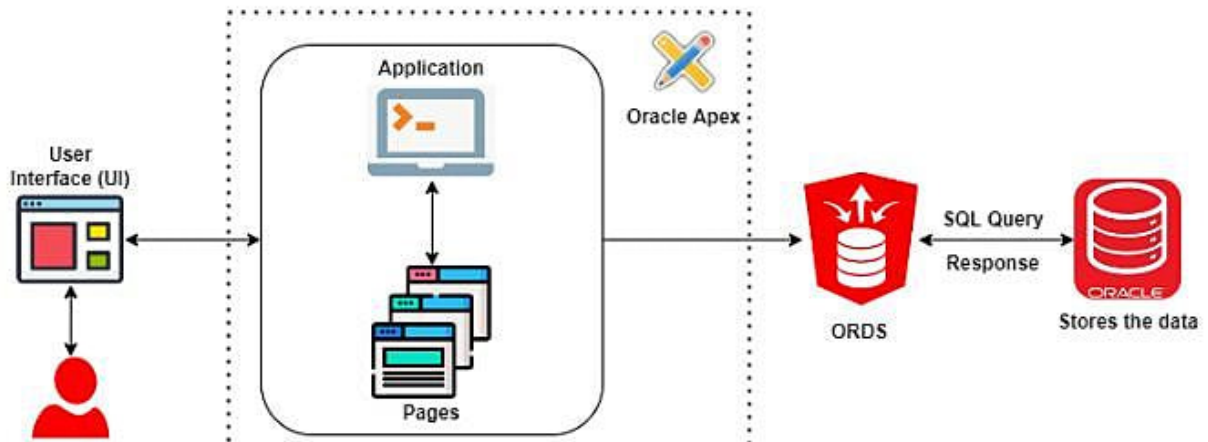
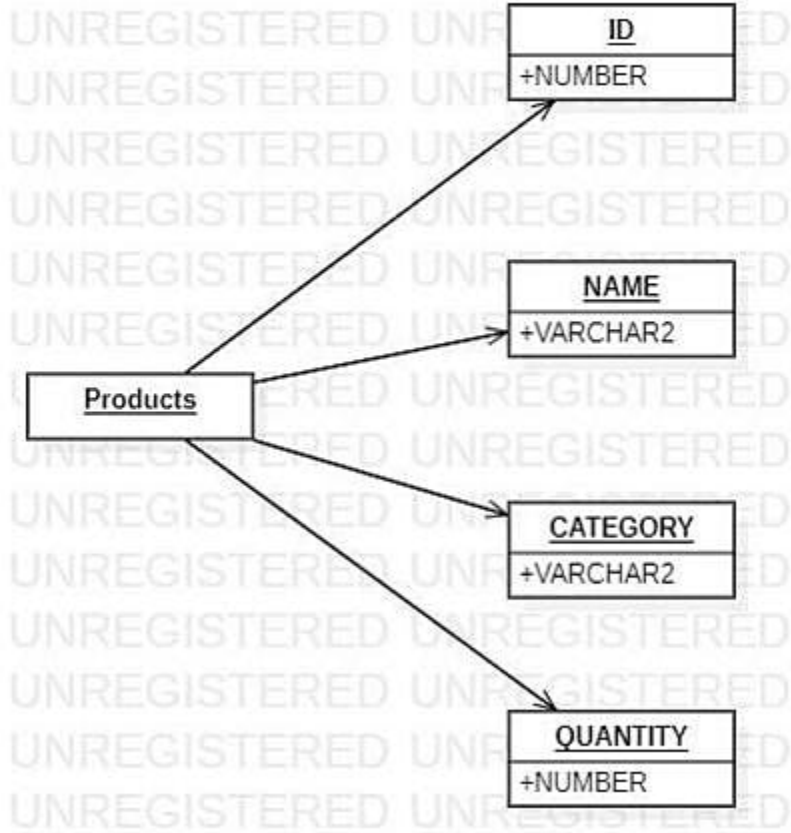2.2 Hardware and Software Designing

HARDWARE REQURIMENTS:
 1.Keyboard.
 2.Mouse.
 3.Monitor.

 SOFTWARE REQURIMENTS:
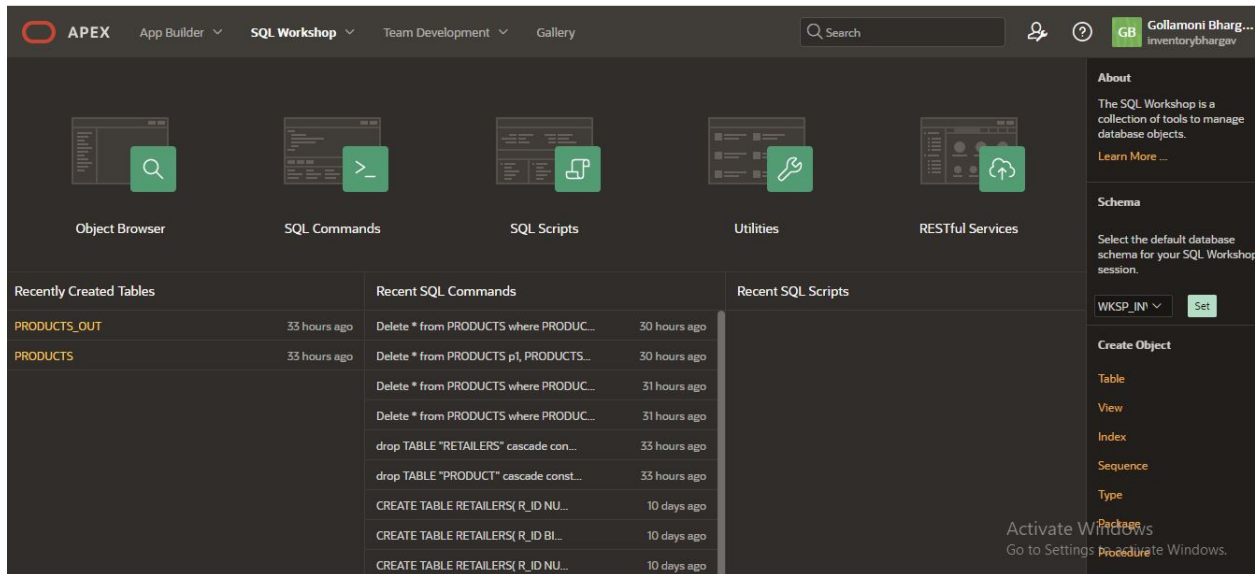1.Data Base Oracle.
2.PL SQL.
 3.SQL

3. FLOWCHART

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ID
+NUMBER

NAME
+VARCHAR2

Products

CATEGORY
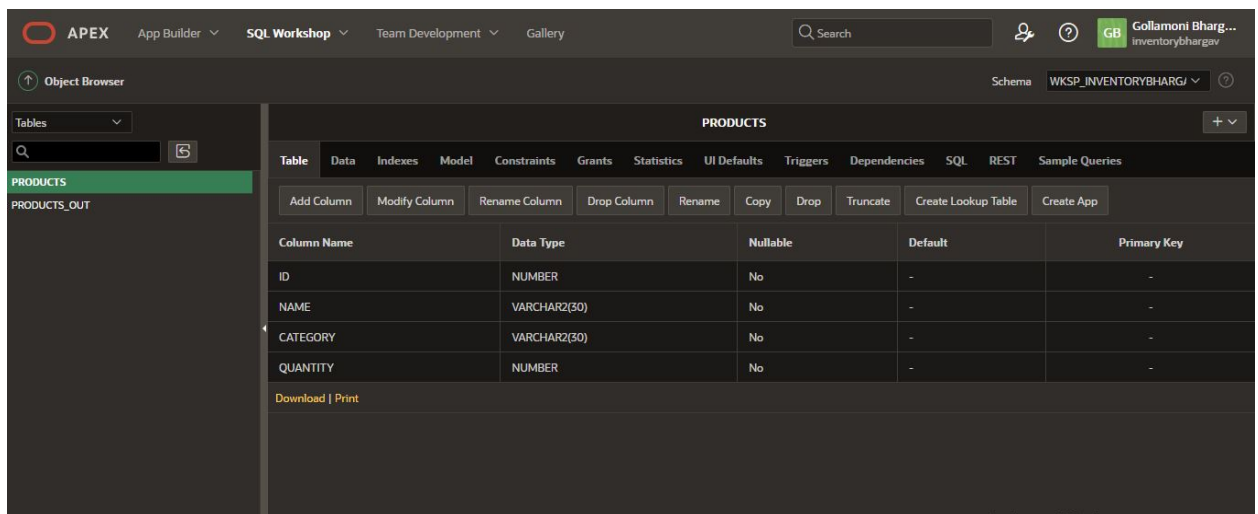+VARCHAR2

QUANTITY
+NUMBER

4. RESULT

4.1: Created a workspace and logged in and opened the Sql Workshop to create the tables.
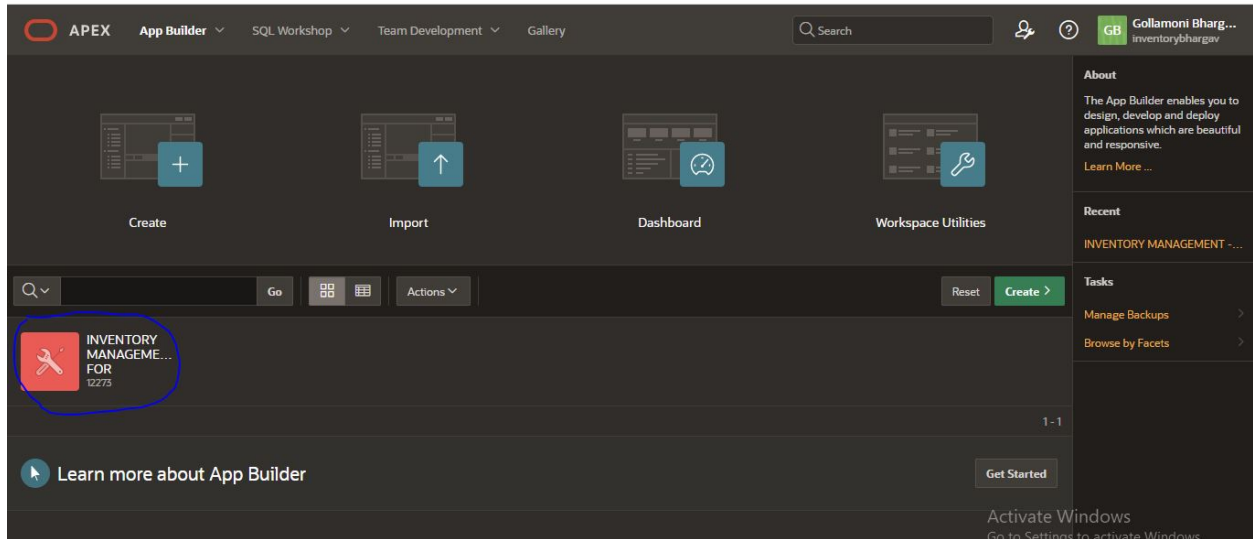
INVENTORY MANAGEMENT FOR RETAILERS

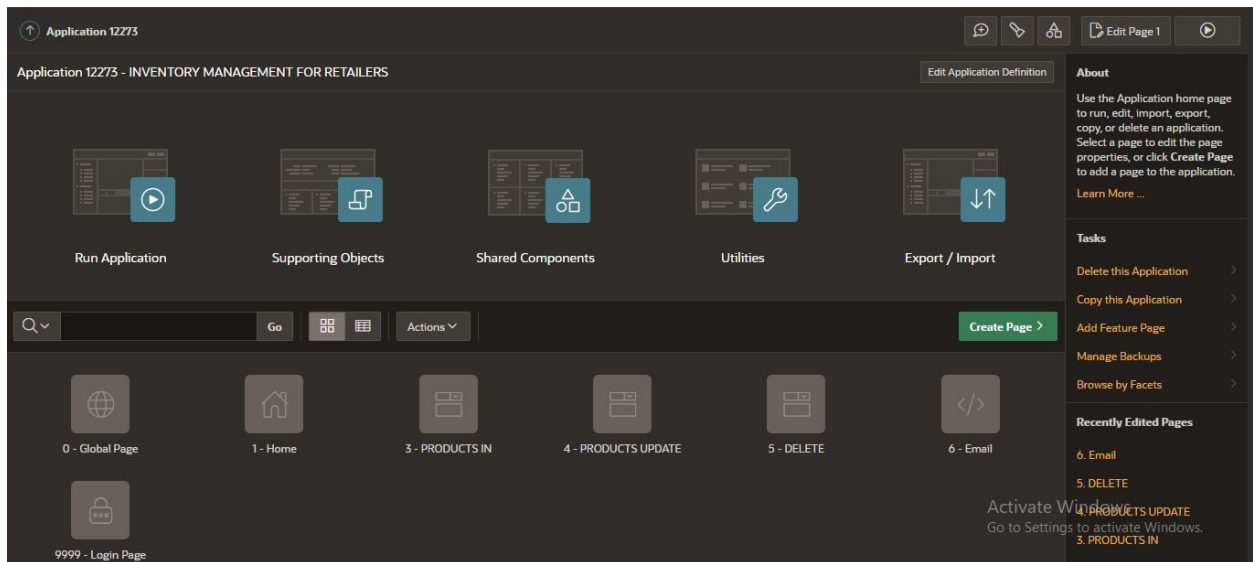4.2: Created a Products table with given fields.

4.3 Open App Builder and create an App called Inventory Management for Retailers.
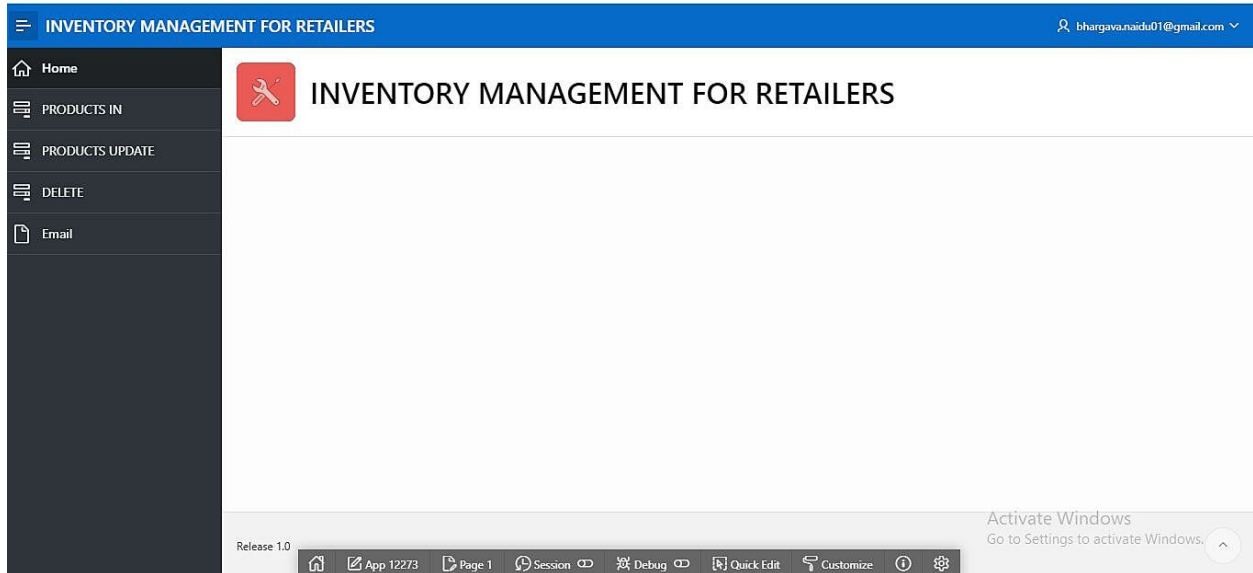
INVENTORY MANAGEMENT FOR RETAILERS

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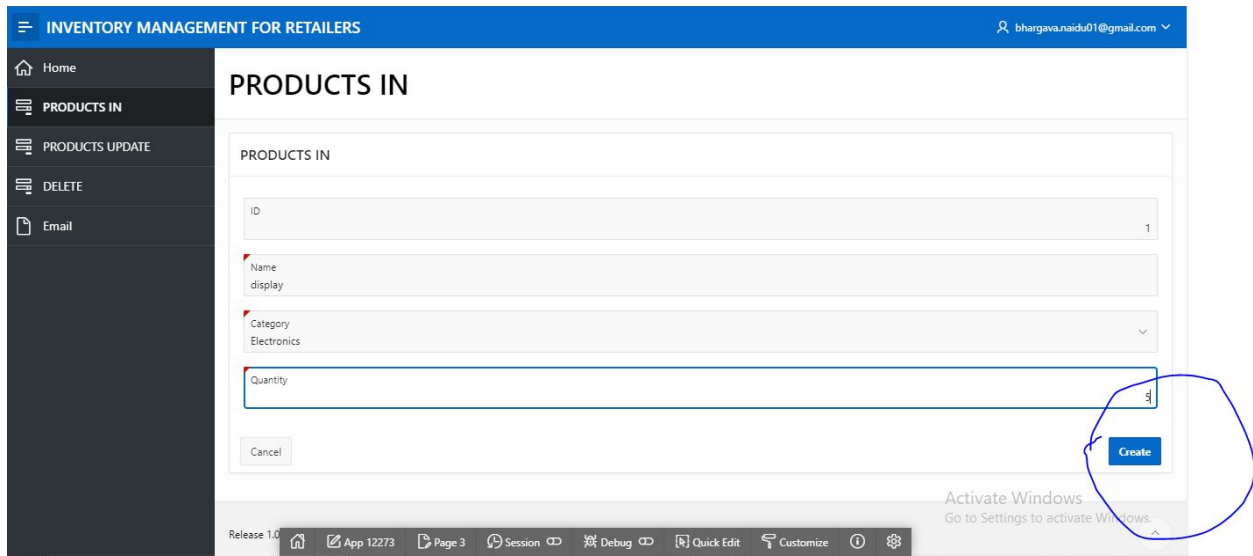

4.5 After running the application. Choose product in form.

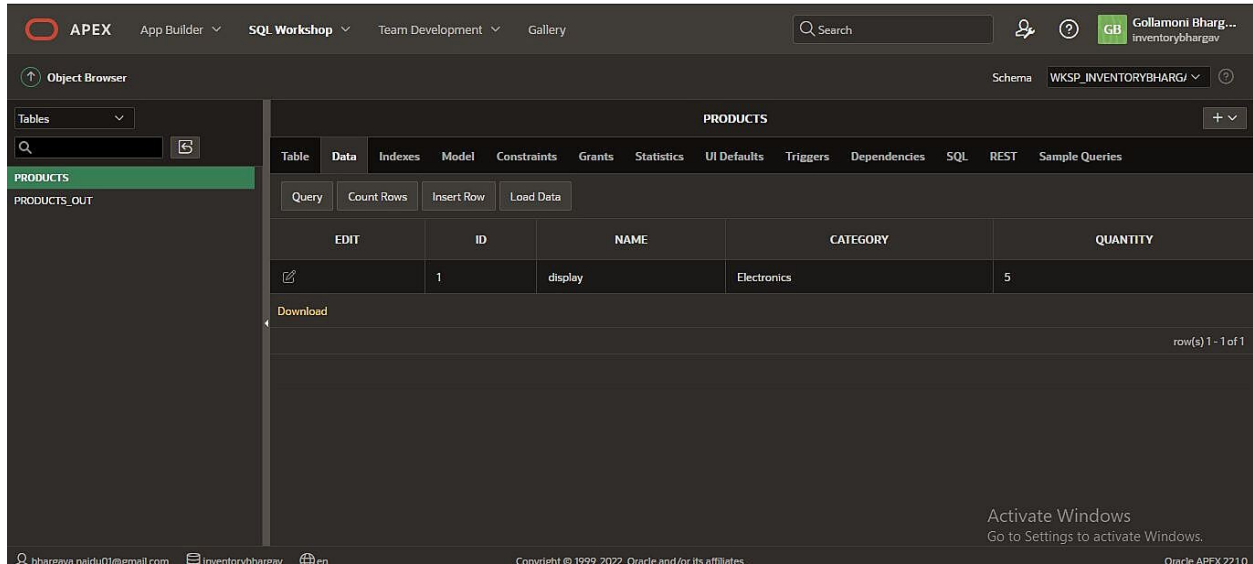# INVENTORY MANAGEMENT FOR RETAILERS

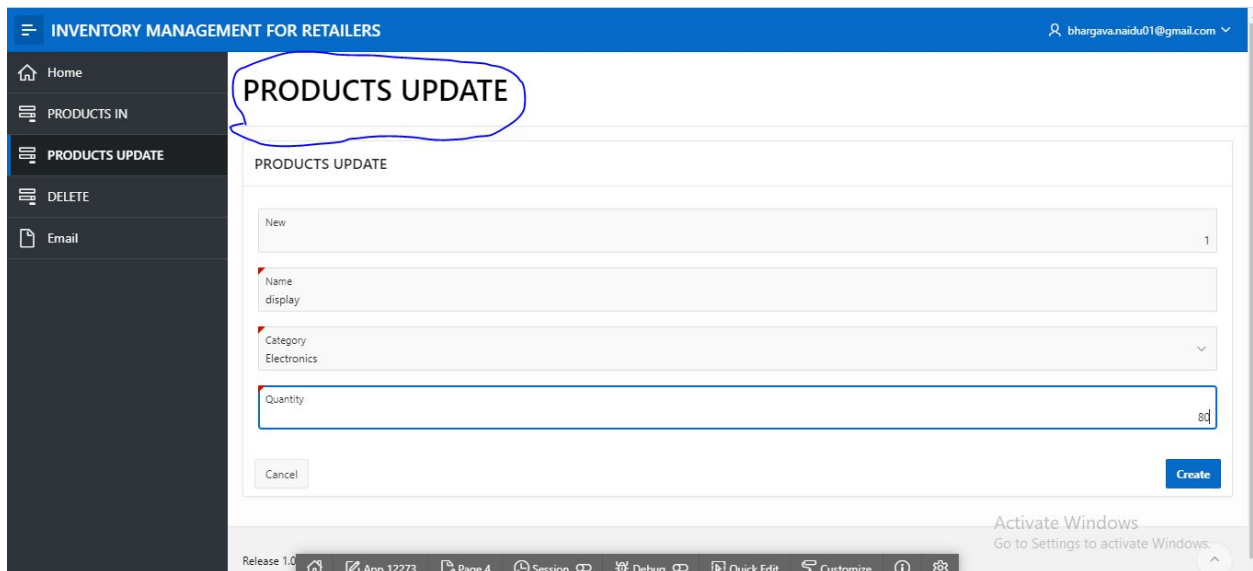4.6 Filling the details the data get updated in database.

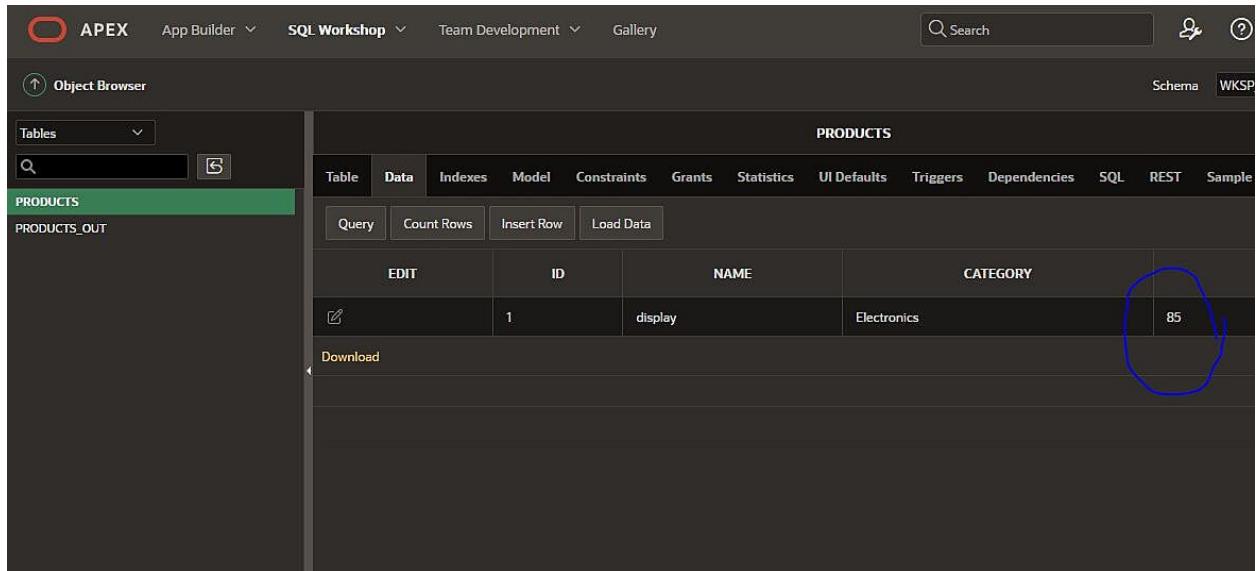4.7 Data is added in database

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4.8 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.
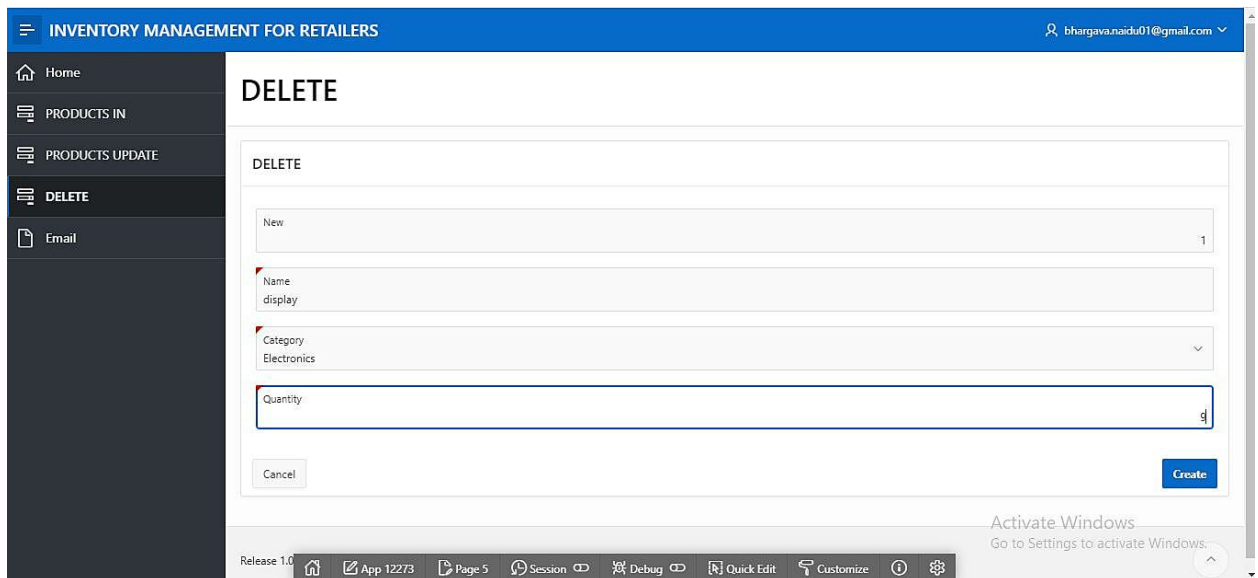

4.9 Quantity got updated

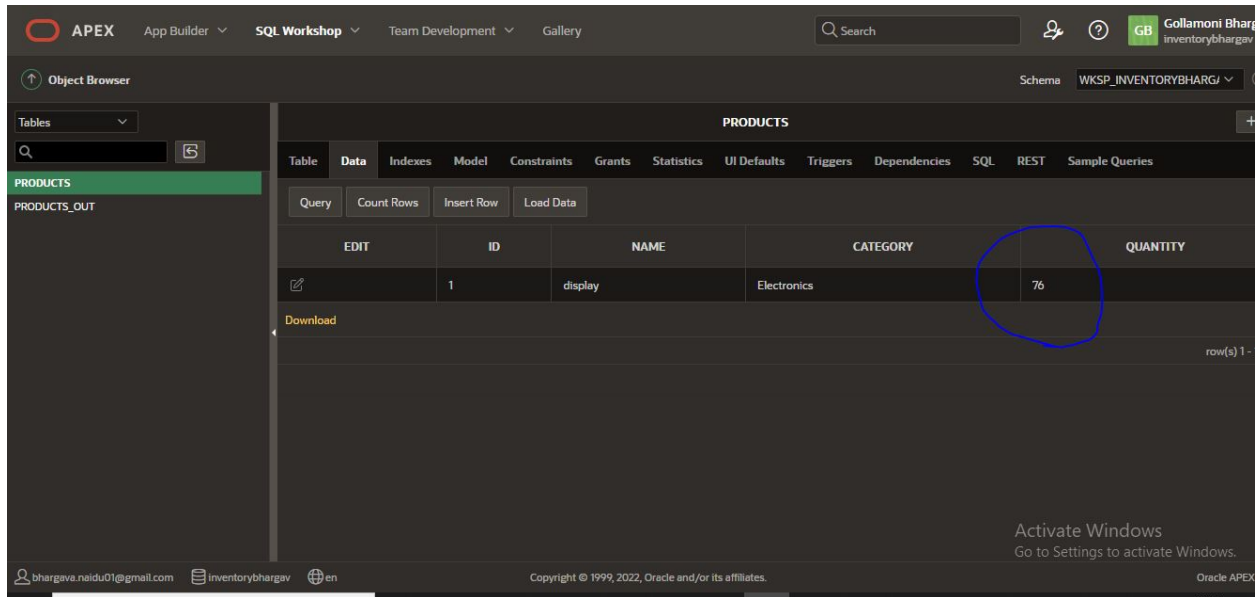# INVENTORY MANAGEMENT FOR RETAILERS

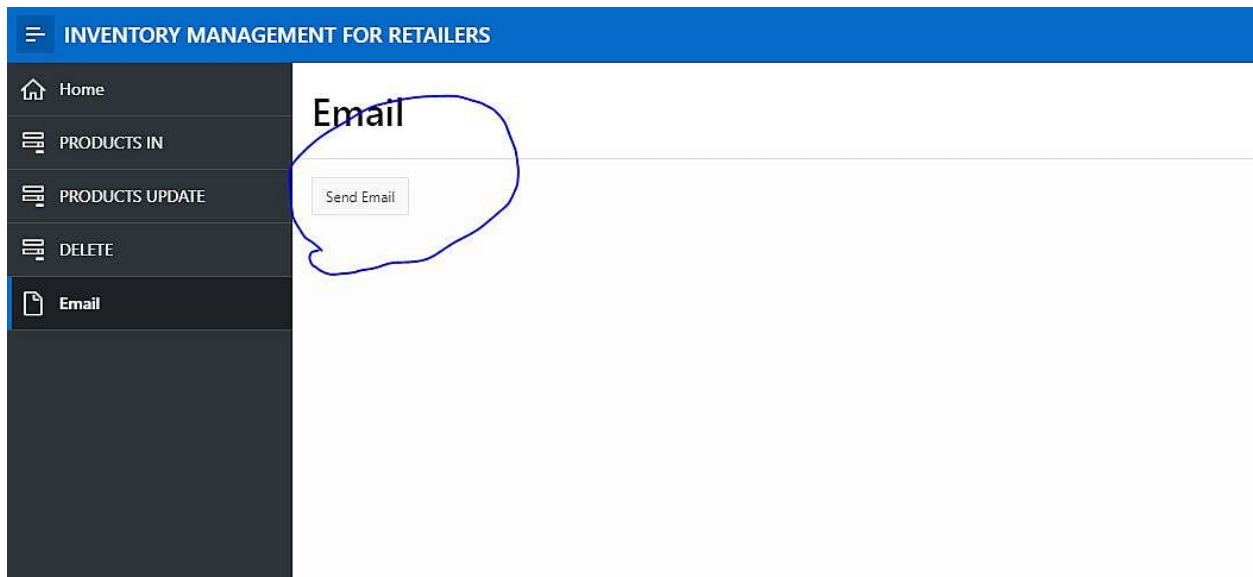4.10 To delete products we can use Delete form.

4.11 Here we are deleting few quantity so below quantity is updated one.
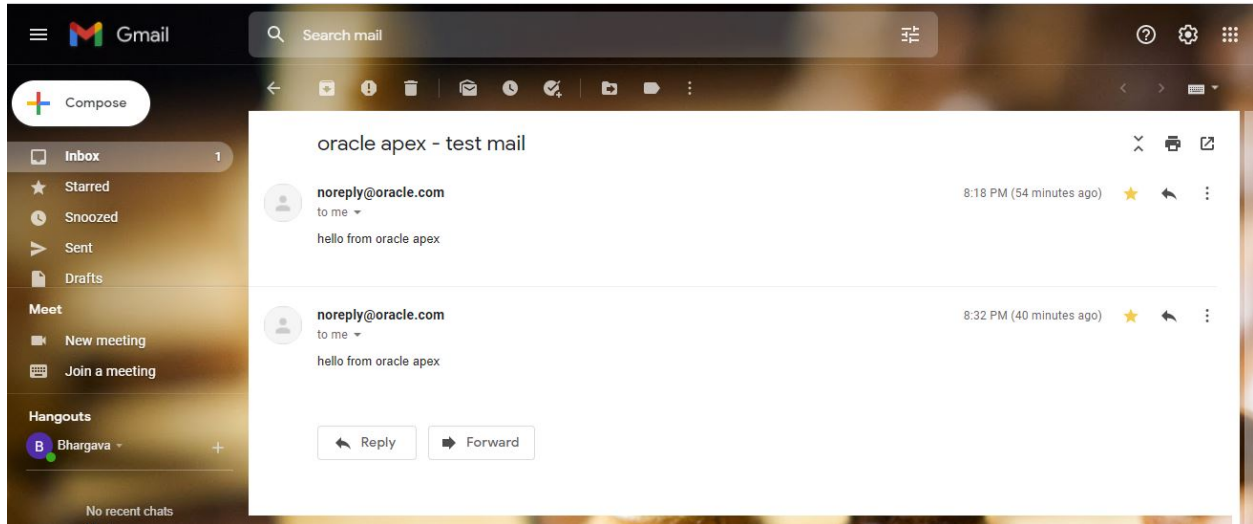
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4.12 If the products are less i.e if there is no stock, i created an automatic email This send email button will be clicked automatically when there is no stock.

4.13 Email after receiving

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5. ADVANTAGES AND DISADVANTAGES

5.1 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

5.2 Disadvantages

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

6. APPLICATIONS
▪ Understand Inventory Levels Across the Business: ERP systems can provide an end-to-end view into orders through all departments, from sales to accounting to fulfillment. Centralized purchasing reduces duplication when replenishing stock, and having the ability to purchase in bulk saves money. Further benefits abound when you integrate your inventory software with accounting and back-office processes.
▪ Automate Manual Tasks: Barcode and RFID scanning can speed stock-taking, receiving and fulfillment. Using software reduces errors from manual entries and frees staff from repetitive

tasks.

▪ Greater Visibility with Real-Time Data: The right inventory management software will give you access to real-time information on all SKUs, in all facilities. It will deliver this data to all devices, no matter where you are.

▪ Improve Forecasting: Software that handles data collection and analytics can provide insights into trends. And when you understand trends, you can improve your stock forecasting.

▪ Data-Driven Decision Making: Leverage the analytics capabilities of inventory management software to make data-driven stock decisions. Save money by reducing inventory and carrying costs.

▪ Support Uninterrupted Production: By forecasting both demand and lead time, you can ensure production never experiences a shortage.

▪ Harmonize Multiple Inventory Locations: Get an overview of stock levels in all your warehouses, distribution centers as well as retail stores and suppliers.

7. 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:	**bhargava.naidu01@gmail.com**
Password:	**Bhargava@567**