Project Report

On

"ONLINE INVENTORY MANAGEMENT SYSTEM"

---Group : 03

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Fardin	AP19110010541

WEB TECHNOLOGY

&

DATABASES MANAGEMENT SYSTEM

➢ ***Project Organizer***

Sanjeev Kumar Sir.

Declaration And Approval

We, Harika, Swarna Durga and Fardin from SRM-AP college, Amravati ; hereby we declare that the project work entitled

"Online Inventory Management System" has been prepare by us to

Fulfil requirement for the award of degree "**Bachelor of Technology In Computer Science Engineering"** during the academic year 2020-2021 submitted to our project organizer.

It is a record of an original work done by our group, I also declare that this project Report is of our own effort and it has not been submitted to any other university for the award of any degree.

Student's Signature

Harika 499
Swarna Durga 334
Fardin 541

Acknowledgement

I take this opportunity to express my great sense of gratitude towards swami sir (Web Technology), Megha Mam (DBMS) And Sanjeev sir (Project organized) who has guided me for successful completion of this project "***Online Inventory management System"*** which also helped me in doing the lot of research and I came to know about so many New things, And I Really thankful to them.

Secondly, I would like to thankful to my friends how helped me a lot to finishing in this project not only for marks but also to increase my knowledge.

Abstract

Main Objective

This Project is aimed at developing an Online Inventory Management System (IMS) for a departmental store. This system can be stored the details of the Inventory, update the Inventory based on the sales details, And it also contains the Orders, Suppliers, Purchases, and Products details.

This is the one of the integrated system that contains both the user component (used by salespersons, sale managers, inventory manager, ect... and the admin component (used by the administrators for performing admin level functions).

Aim of the Project

The Aim of this Project is to create an inventory system for small scale businesses that can track and display the product data efficiently. And to minimize investment in inventory at minimum and to get maximum profit.

Methodologies

'Online Inventory Management System' is based on the database, websites were created by using HTML and CSS techniques. The connection between database and websites was made using PHP.
As there are many areas in the project which need to be recorded in the database for which we are using MYSQL software.

This project uses Web Technology as front-end-software and back-end as MYSQL (PHPMYADMIN) server connection between website and database using PHP.

Scope of the Project

scope is that who the way the inventory information is used. A manufacturer of durable goods may use inventory information to control the costs of raw materials and maximize margins while food manufacturer give the priority to fast turnover of inventory to ensure the freshness and by this we can understand that it's the way that inventory information is used.

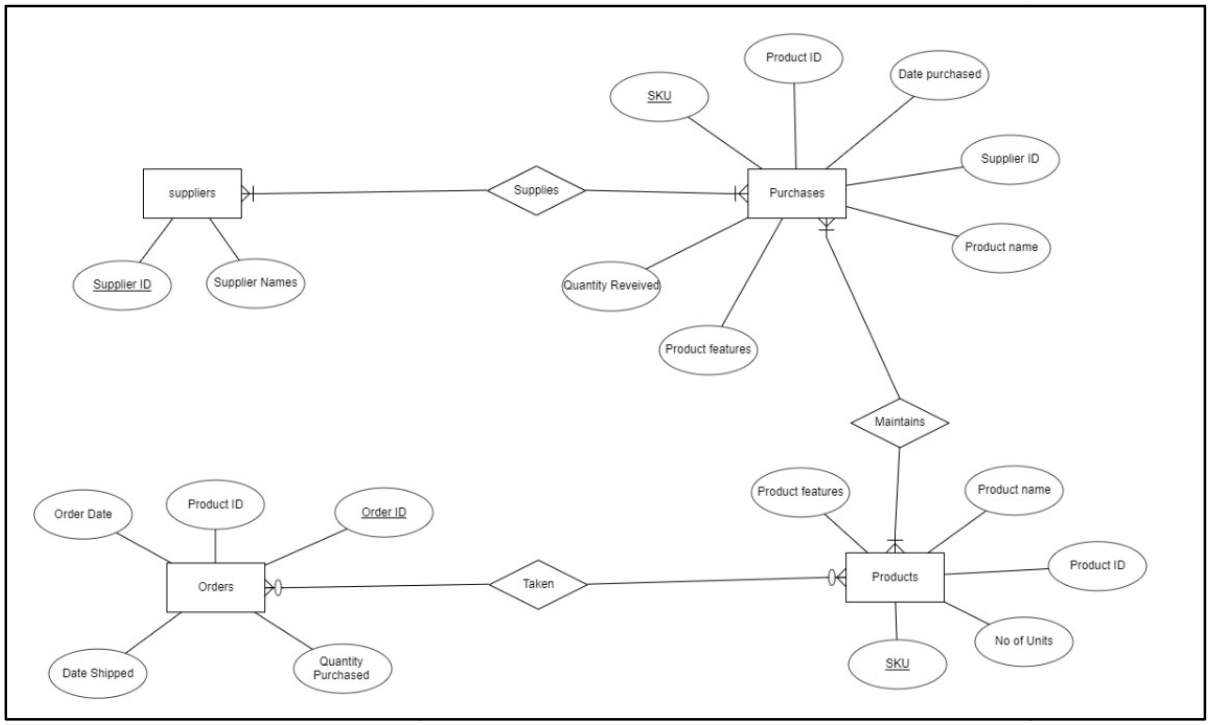
Table Of Contents

Content

Body of the project and the chapters

It is a computer-based system for tracking the inventory levels, order , sales and it can be also used by the manufacturing industry to create a work order, bill of materials and other product related document. This Inventory management software is used to avoid the product overstock and outages.

ER Diagram



We created a database project for a small scale company's online inventory management. Firstly we need to login then after we can observe the orders, products, purchases, and suppliers files in our website.

In this project, we created tables for:

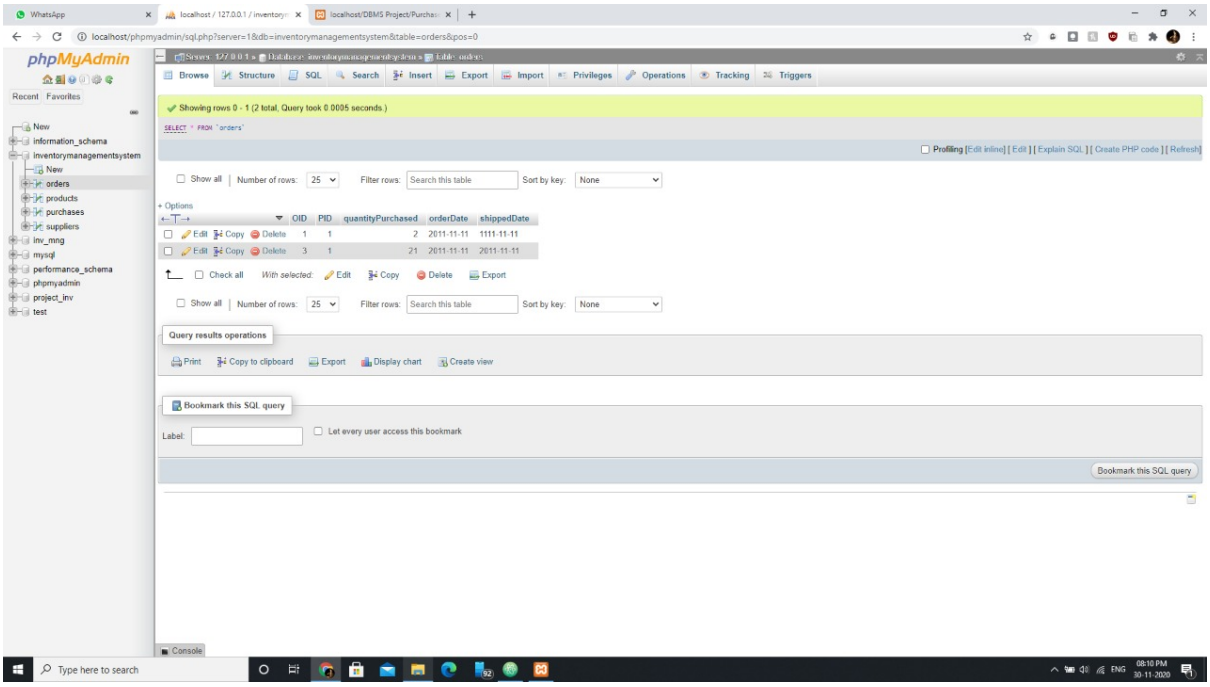
- ***orders*** with orderID, Name, orderDate, shippedDate and other relevant attributes, here we can search our order or can we can start ordering things.

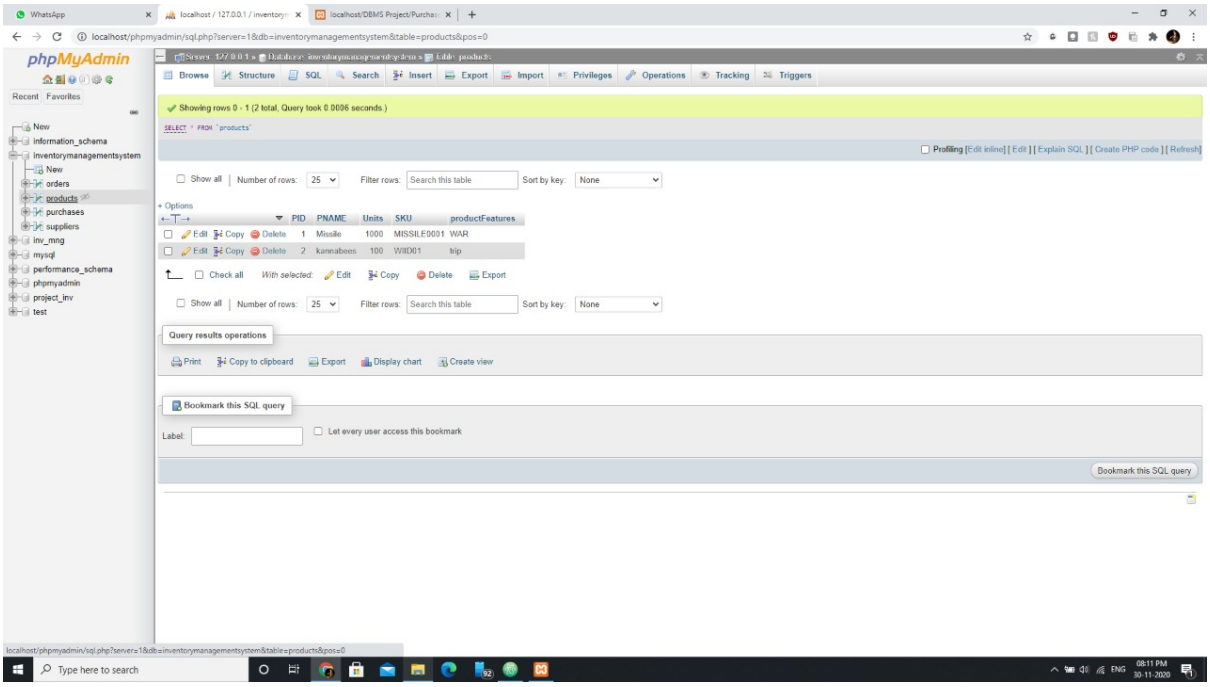
- ***products*** with productID, productType and other relevant attributes, and here we can search our order or else we can Add a Product.

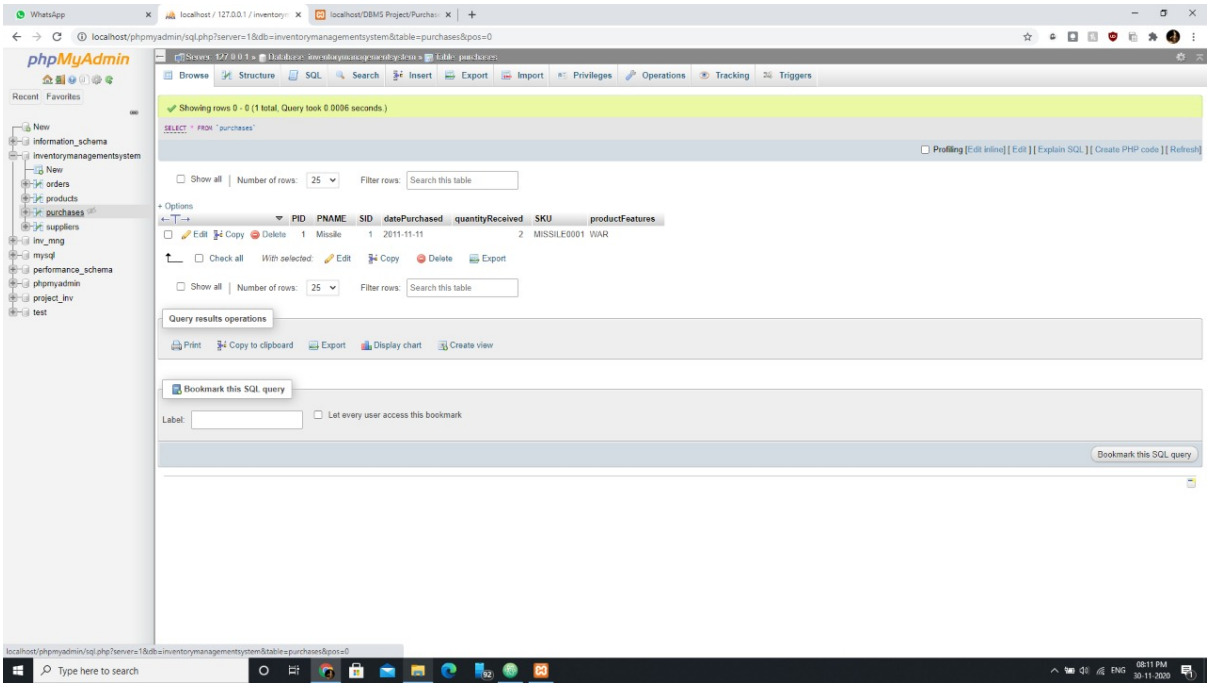
- ***purchases*** with productID, supplierID, datePurchased and other relevant attributes here we can purchases a product or we can add a Purchase.

- ***suppliers*** with supplierID, PhoneNumber and other relevant attributes, here we can search or add supplier

Screen Shorts



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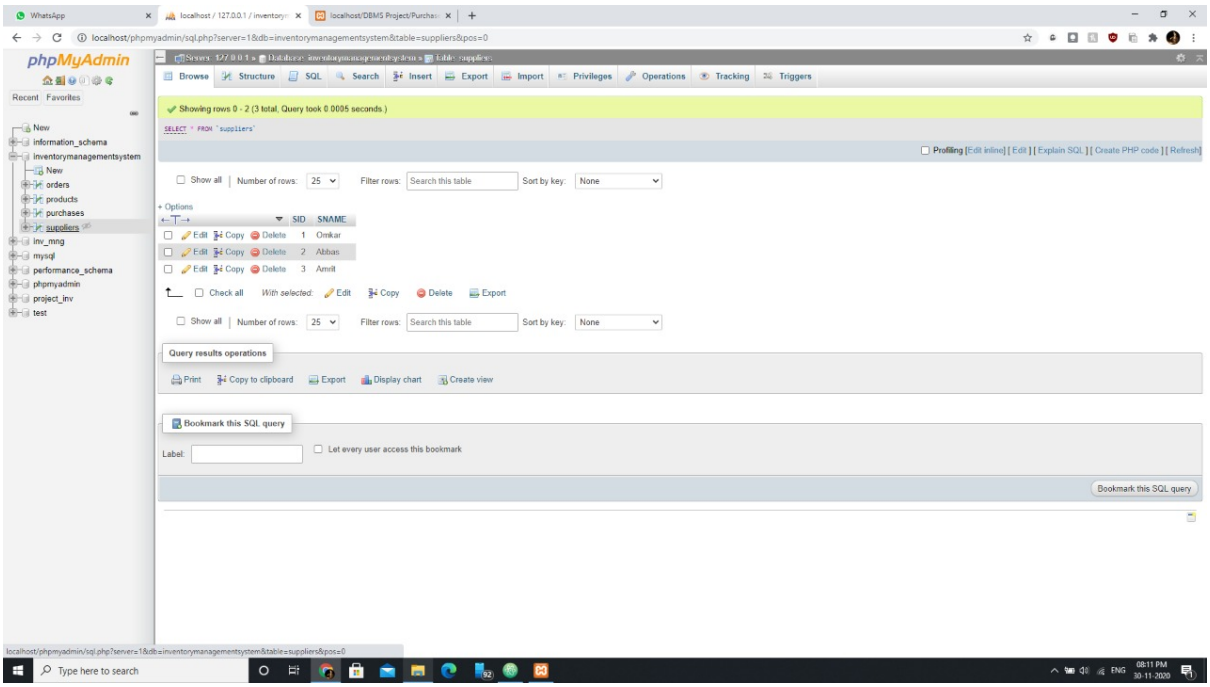
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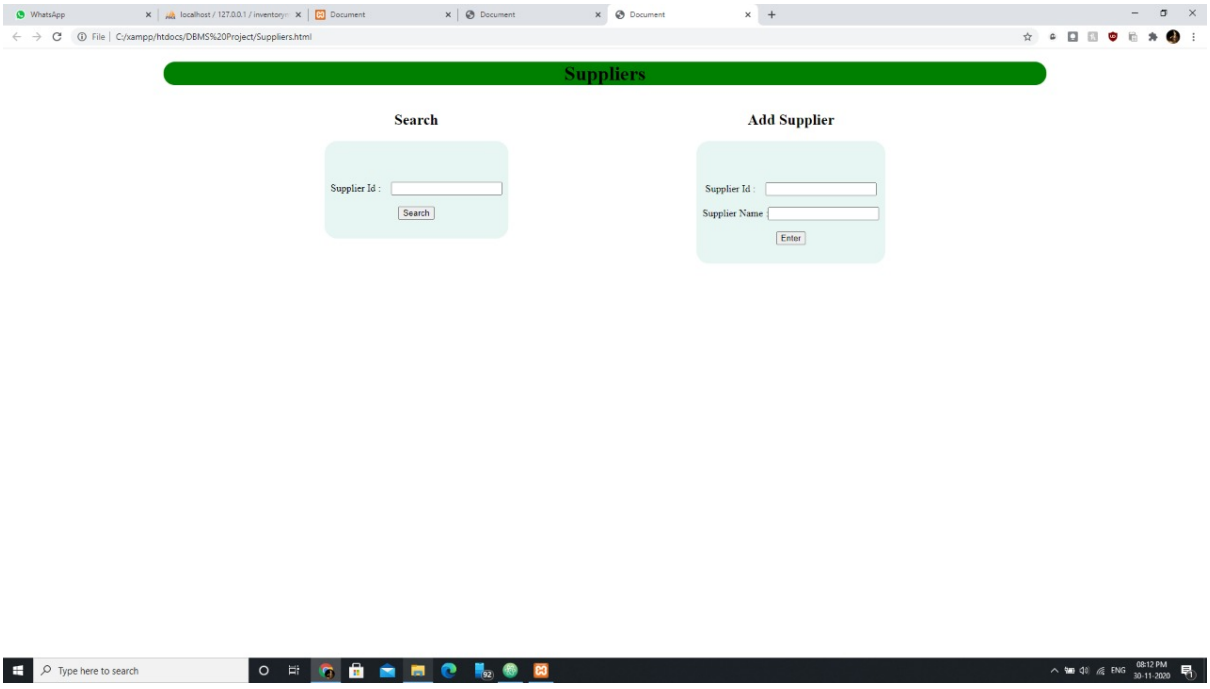
WhatsApp
localhost / 127.0.0.1 / inventory
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File | C:/xampp/htdocs/DBMS%20Project/Suppliers.html
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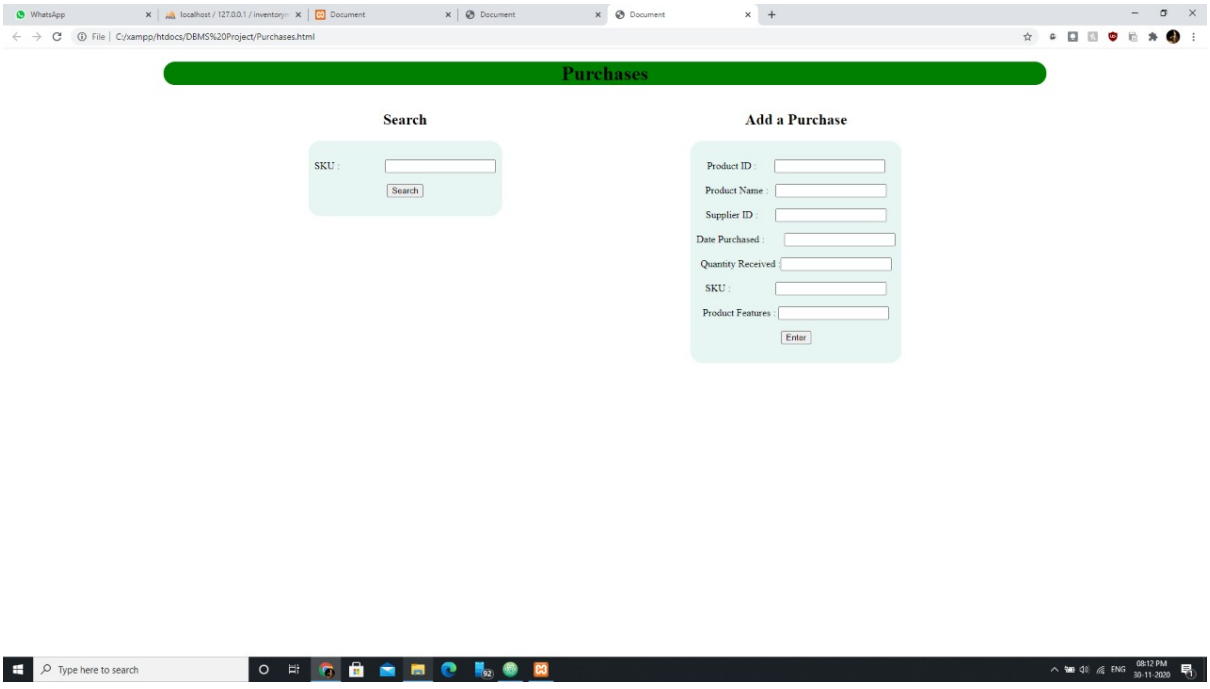
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Purchases
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SKU :
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Product Name :
Supplier ID :
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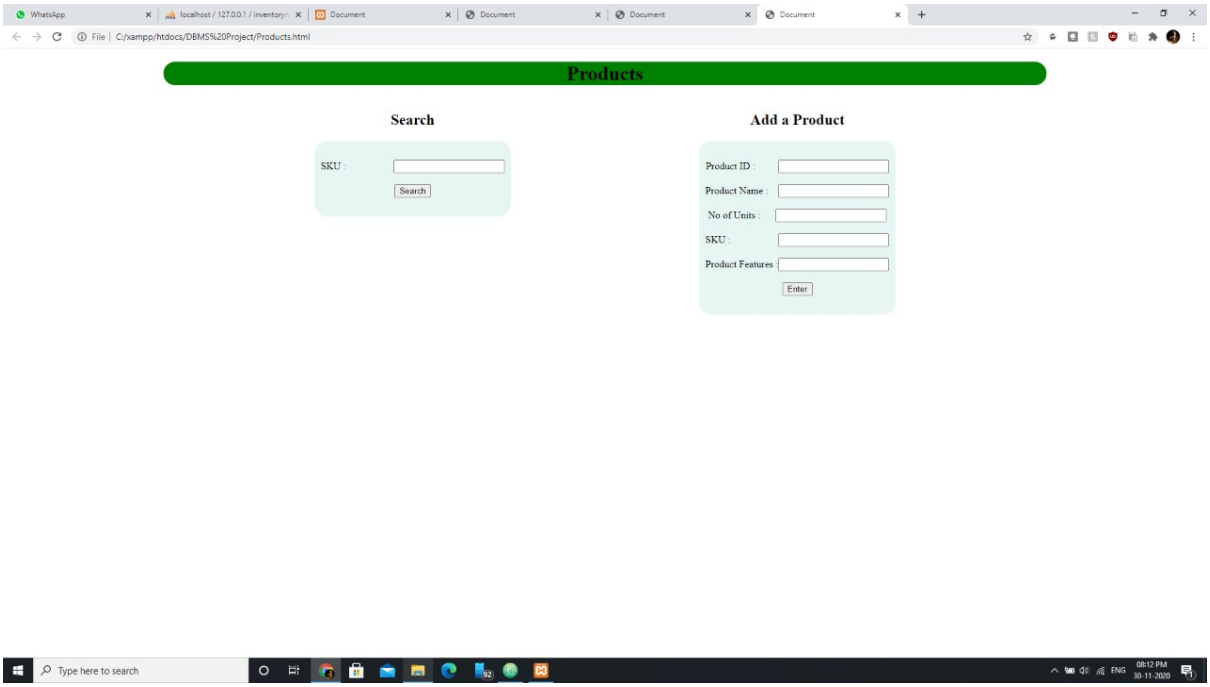
Products
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Product ID :
Product Name :
No of Units :
SKU :
Product Features
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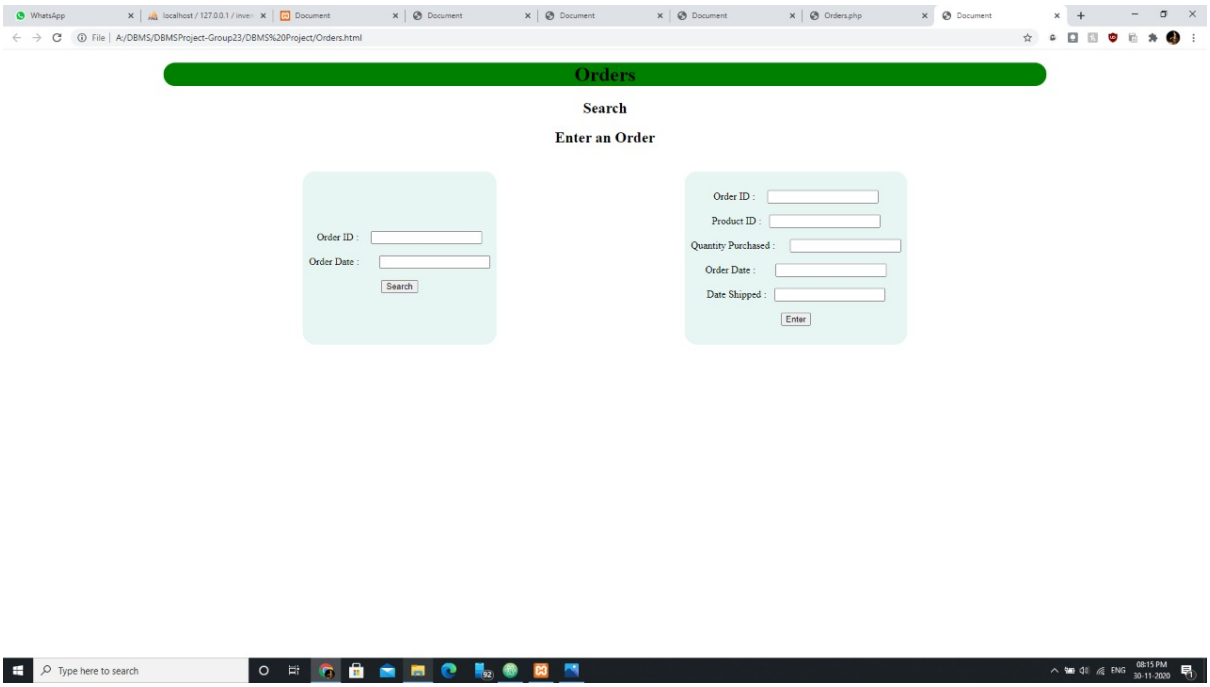
Orders
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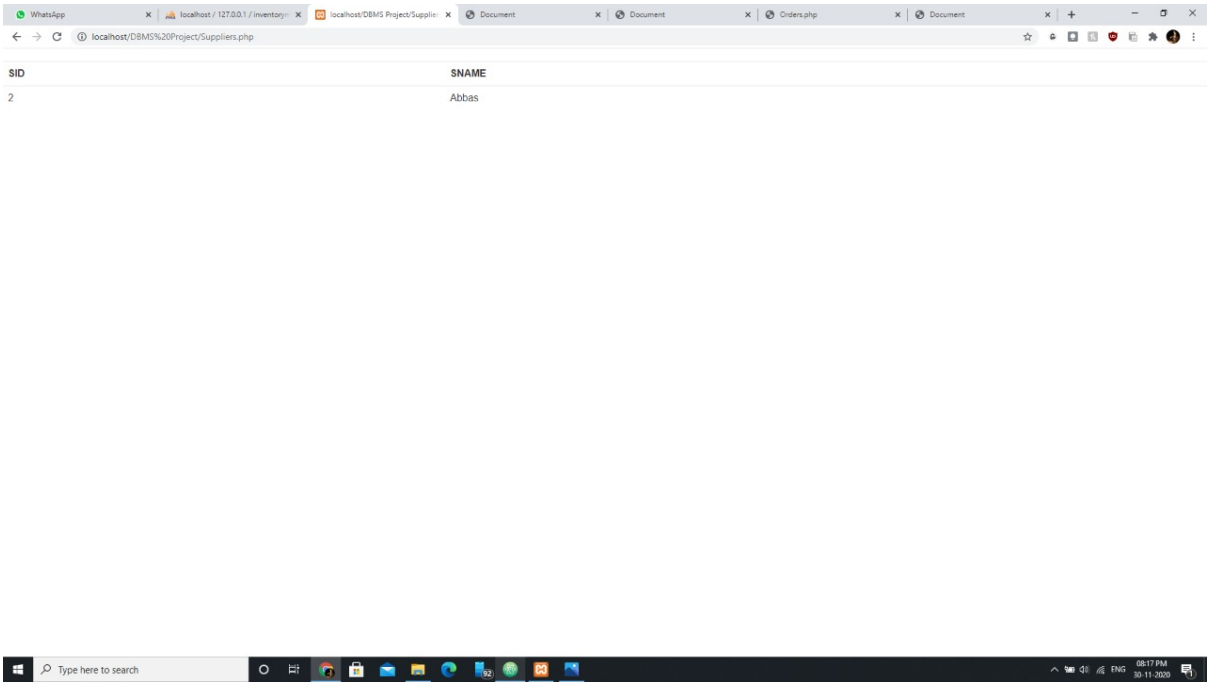
Order Date :
Search
Order ID :
Product ID :
Quantity Purchased :
Order Date :
Date Shipped :
Enter



In this project, suppliers, purchases, products, and orders.
Products and Orders are the only tables that the workers interact with when a customer to the business is buying a product. Suppliers and Purchases are the only tables that the workers interact with when buying products from other medium or large scale companies.
Each product (for example books) bought in bulk order will be individually given an SKU (Stock Keeping Unit). Unique products will have unique SKUs. A product of same type (for example all the *hardcover* books Dracula by Bram Stoker will have a unique SKU and all the *paperback* books Dracula by Bram Stoker will have a unique SKU).

Conclusions & Recommendations

- ✓ This system is mainly designed to reduce the manual work of updating tracking, and also make it easier for the users.
- ✓ Online Inventory Management System can help to manage the Inventory Well during business operations.
- ✓ Overcome some business problems like transaction record and over stock.
- ✓ The main purpose of this project is to make the inventory management of small scale businesses easy.

Future Scope

These are the many future scope of this Application

- Project scope is to provide user with a platform in which the users can update exactly how much inventory is required to avoid shortage and wastage of product.
- This application can be easily implemented under various situations here we can add new features as when we require.
- In future our system can include Online Accounting System, Good Backup and restore facility.
- Encrypted Webpage to ensure customer privacy and transaction security.
- More user friendly interface also for small screen devices.
- Functionality of sharing of new view and ideas between employees will be added in new version.

Links to Refer:

- https://www.freecodecamp.org/news/making-an-awesome-inventory-management-application-in-php-and-mysql-from-start-to-finish-90bc5996680a/

- https://redislabs.com/solutions/use-cases/real-time-inventory/?utm_source=bing&utm_medium=cpc&utm_term=%2Binventory%20%2Bmanagement&utm_content=&utm_campaign=topic-intl-israelandindia-il-en&utm_source=bing&utm_medium=ppc&utm_campaign=409377181&utm_content=1265538577827205&utm_term=%2Binventory%20%2Bmanagement&msclkid=7d11e07e6d1313c8dc1d80f4aa75fa3c

- https://projectsgeek.com/2019/09/inventory-management-system-php.html

Appendices

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