INVENTORY MANAGEMENT SYSTEM

By Group- 24
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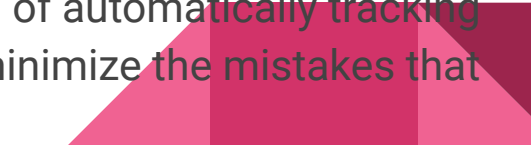N. Anand Varma- B180373CS
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Introduction

Our project main aim is to develop a desktop based application for managing the inventory system of any organization. The Inventory management System refers to the system and processes to manage the stock of any organization. In this management system, it can be used to store the details of the inventory, stores, stock maintenance. This project is customize to different aspects for the customers and sales. Inventory Management System is important to ensure quantity and quality control in business that can handle whole transactions around customer goods. But another main point is without proper inventory management control, a large retail store may not run the store or stock of items. A good inventory management system will alert the whole store and the sales when the time record is closed. Inventory Management System is an important means of automatically tracking large shipment. An Inventory Management System helps us to minimize the mistakes that can occur while recording the stock and store details.
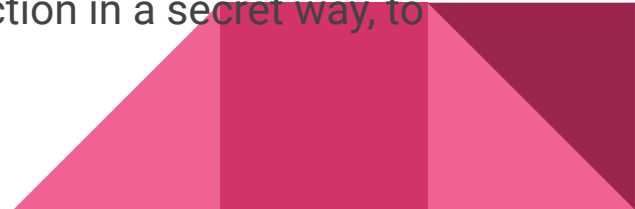
Project Objectives

Main Objective:

An inventory management system is a web application which aims at computerization of the current process of maintaining of stocks. This system can widely be used by normal shops, departmental stores or MNC's for keeping a proper track of stocks.

Specific Objectives:

• To deal with Inventory Management System in an easy and efficient manner.

• Create strong and secrete database that allows for any connection in a secret way, to prevent any outside or inside attacks
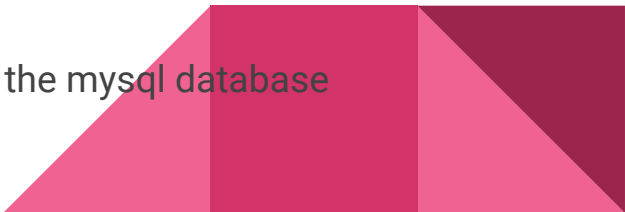
Background and Motivation

This desktop application is based on three act hierarchy of the flow of the programming logic from user interface to database and again database to user interface with the required information requested by the client users. In between there involves the logic layer for effectively and correctly manipulating the requests.

The customer part is the visual part to display all the products from the database and just to record the payments. The main function in this is to display the product details from the database upon user's request is generated by user's input keys like add, empty cart.

The next part is the database manipulation part, it is where the employees and admin is to make database queries. It provides to function of the system and connectivity to the database. The database

backend stores information from the cart which can be retrieved by using the mysql database connectivity.
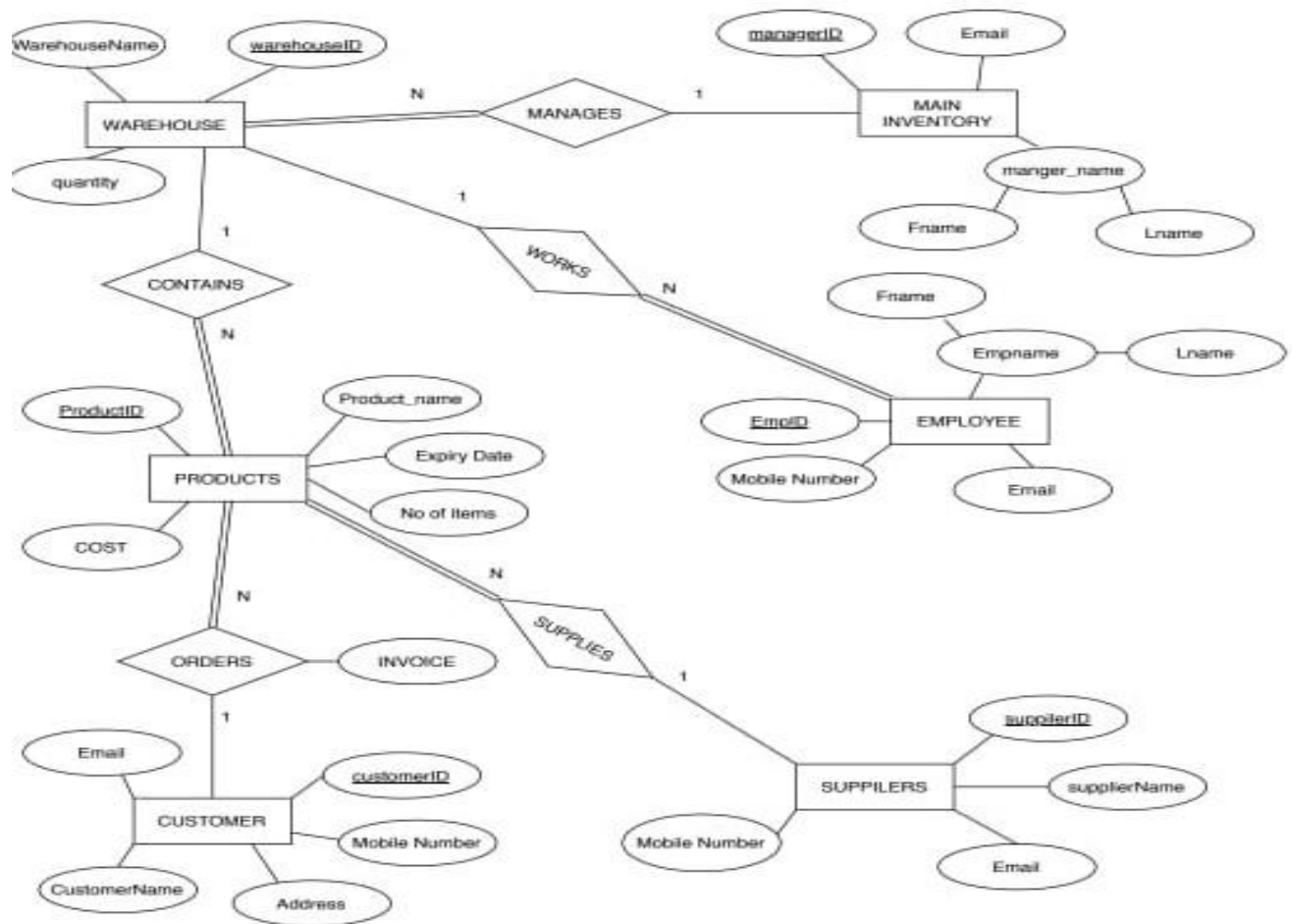
Literature Survey

Products are considered as the business resources for the organization. This includes managing the product with appropriate way to review any time as per the requirement. Therefore, it is important to have a computer based Inventory Management System which has the ability to generate reports, maintain the balance of the stock, details about the purchase and sales in the organization. Before developing this application we came up with Inventory Management System existing in the market, which helps to give the knowledge for the development of our project. These application software are only used by the large organization but so we came up with the application which can be used by the small company for the management of their stock in the production houses. After analyzing the other inventory management system we decided to include some of common and key features that should be included in every inventory management system. So we decided to include those things that help the small organization in other away it will more helpful to small scale companies.
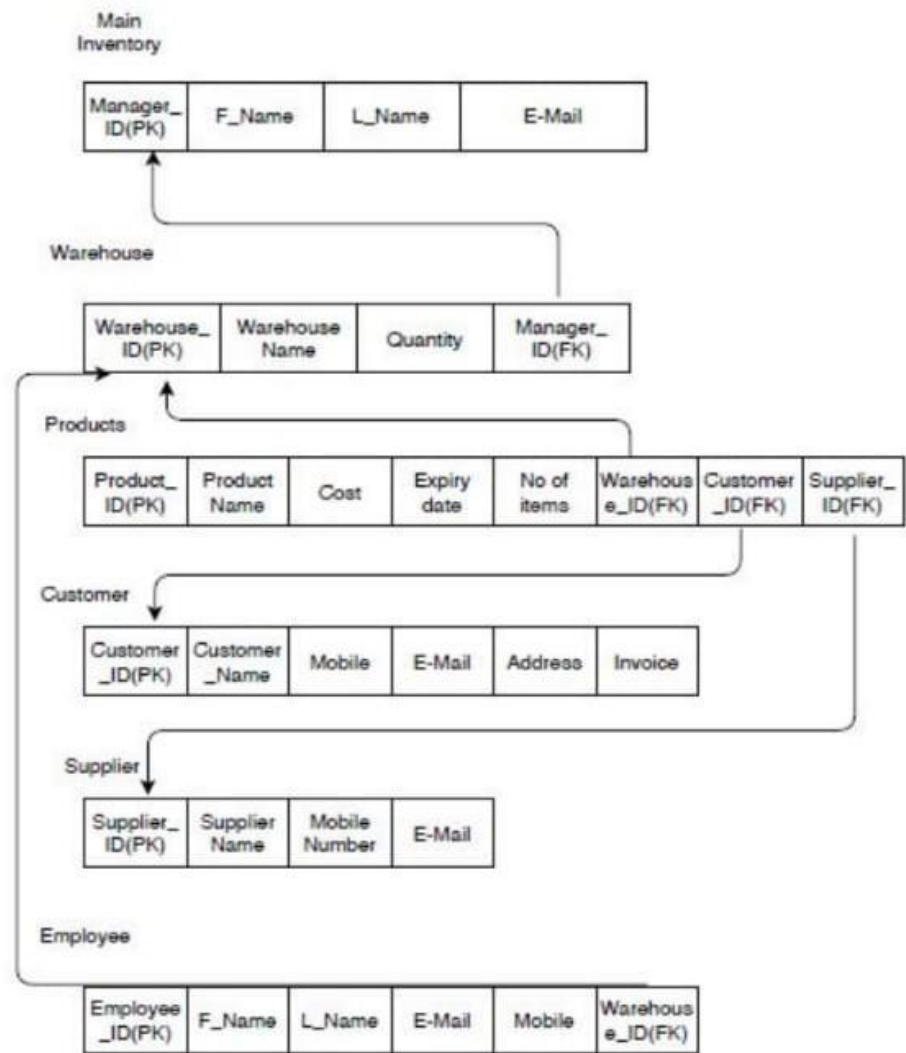
System Requirements

➢   Software Requirements

●   Database: MySQL

●   PHP(Hypertext preprocessor) - back end

●   HTML(Hyper text markup language)-front end

●   CSS(Cascading style sheets)-front end

●   SQL - Query Language

●   WEB SERVER : XAMPP (for testing)

➢   Hardware Interfaces:

●   Operating system : windows

●   Hard disk : 40 GB

●   RAM : 256MB

●   Processor : Pentium(R)Dual-core CPU

ER Diagram

Relational Schema

Main Inventory

Manager_ID(PK)	F_Name	L_Name	E-Mail

Warehouse

Warehouse_ID(PK)	Warehouse Name	Quantity	Manager_ID(FK)

Products

Product_ID(PK)	Product Name	Cost	Expiry date	No of items	Warehouse_ID(FK)	Customer_ID(FK)	Supplier_ID(FK)

Customer

Customer_ID(PK)	Customer_Name	Mobile	E-Mail	Address	Invoice

Supplier

Supplier_ID(PK)	Supplier Name	Mobile Number	E-Mail

Employee

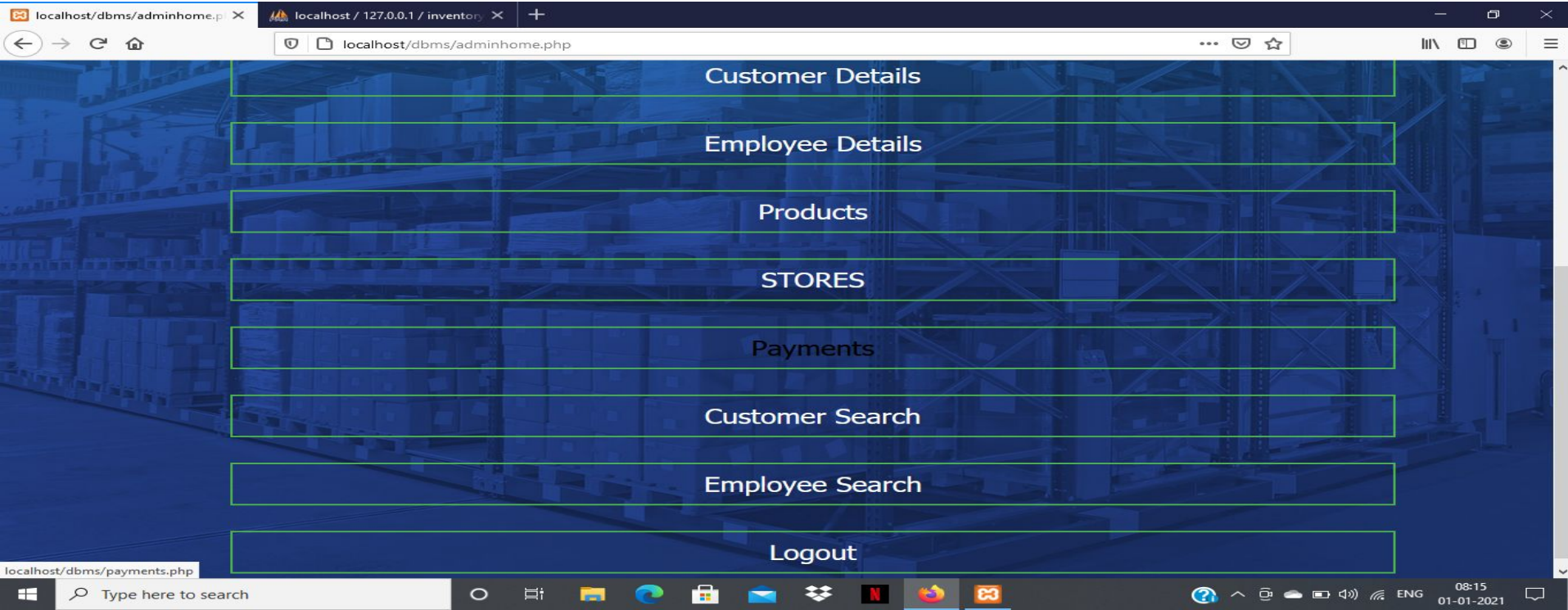| Employee_ID(PK)	F_Name	L_Name	E-Mail	Mobile	Warehouse_ID(FK)

Implementation Process

Html, css are used to develop style and add textures for webpage php is used for traversing between pages and to connect to database SQL is used to create database. Project was successfully implemented and desired output was produced as shown above.

Before implementing all the testing files should be in same directory in htdocs subfolder of Xampp folder then start the xampp server and open the files through localhost.
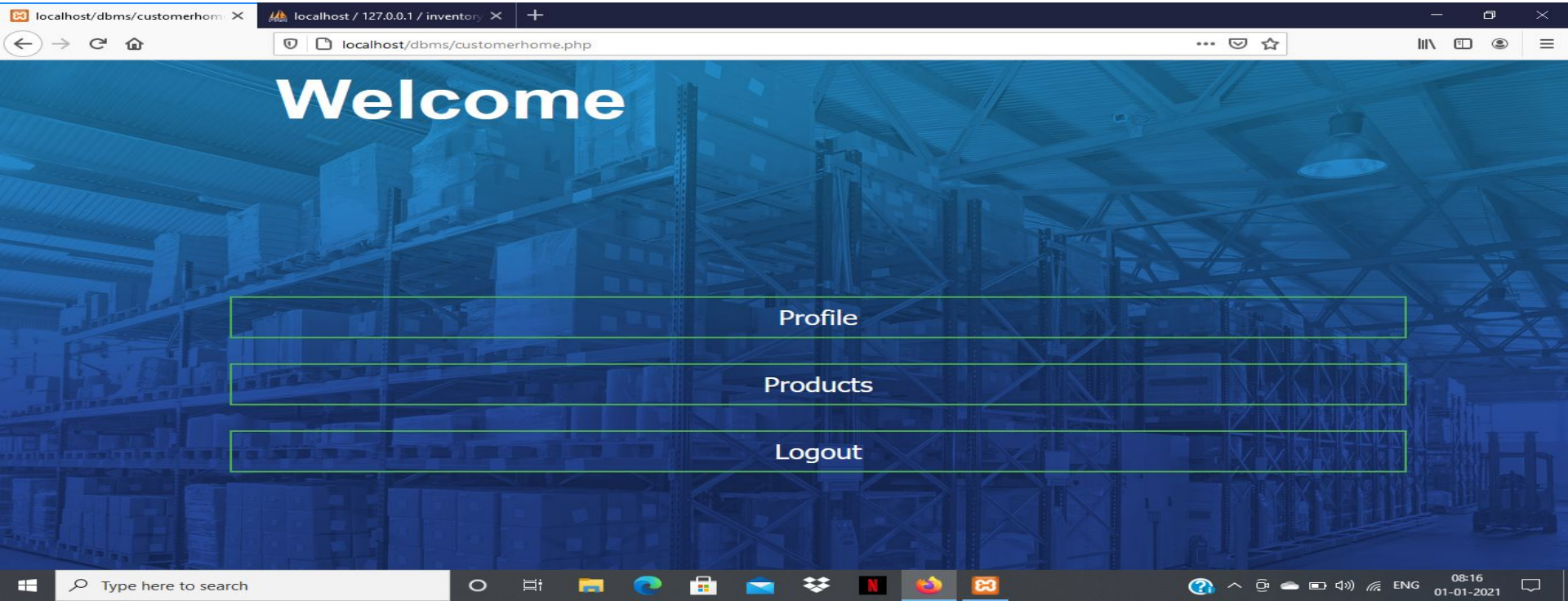
Sample and Results

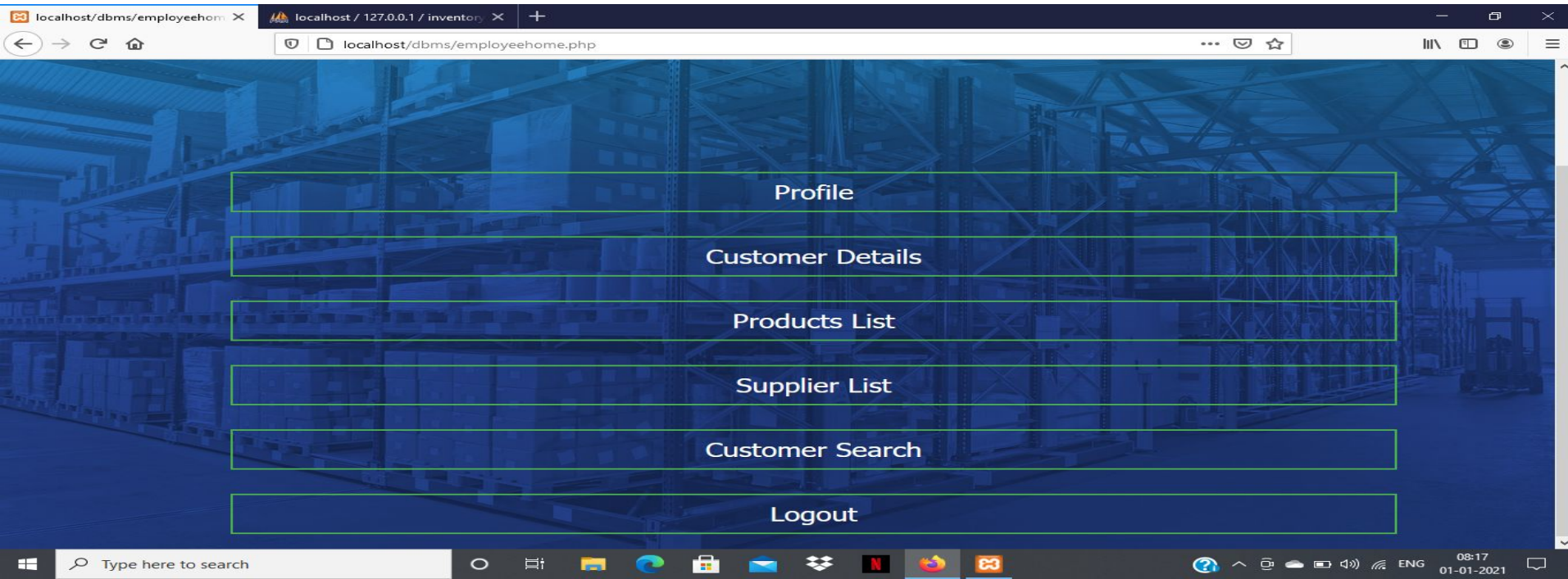Admin Login: Admin can manage employees and payments.(Admin interface)

Customer Interface

Customer can buy products and can also change is profile.

Employee Interface

Employee can add products and can also search customers.

Conclusion

Inventory Management System is a desktop application basically suitable for all kinds of organizations. It has a every basic items which are used for the small organizations. Our project is successful in making this application. There we can check, insert ,update and delete the product as per our convience. This application contains all the details of customer, employee and payments by customer.

THANK YOU!!!!