

# Wholesale Management System

## Project Overview

In this project we are going to design database for a wholesale business which deals in managing and organizing vast varieties of products. This system is intended to streamline and optimize the operations of wholesale businesses along with keeping an oversight of customer information, supplier information, inventory and transactional data which will aid the business in informed decision making and simplify the daily functioning.

## Background

Wholesales business play a very crucial role and operate in the middle of the supply chain between the suppliers and consumers. These business deal with diverse set of products such as electronics, household products, groceries and much more. Whole business manages a large set of data which has to be accessed on a daily basis and dealing with such voluminous data can be chaotic and many wholesale business still use traditional data storing methods such as pen paper, older version of Excel etc.

It leverages advanced database technologies to manage various aspects of wholesale operations, including inventory management, order processing, customer relationship management, and reporting. This project aims to enhance efficiency, accuracy, and scalability in the wholesale industry.

## Purpose

- This project will provide efficient inventory management which will help business to keep track of the products in their inventory and manage overstocking or understocking
- This project will help in order processing like depletion of product when ordered and automate reordering of product when understocked
- Provides consistence supply chain by managing suppliers, reordering and payments.
- This system improves cash flow and increases profit of the businesses
- This system will maintain a detailed database of customer information and purchase history to help business for better customer relationships

## Scope

The aim of the systems is to provide a vital tool for wholesale businesses who are aiming to thrive in a fierce market. With the help of database technologies, this management system simplifies business operations, improves customer relations, increases profit and storing transactional data. This system will cover the following:

### 1. Inventory Management:

- Inventory tracking
- Stock replenishment based on predefined thresholds

## 2. Order Management:

- Order creation and processing
- Order status tracking

## 3. Customer Management:

- Customer profiles
- Customer-specific pricing and discounts

## 4. Supplier Management:

- Supplier profiles
- Purchase order creation and tracking

## 5. Transaction Management:

- Transactional details
- Payment management