Title: Inventory Management Project for Sheet Purchasing and Sales

Introduction: The purpose of this project is to develop an inventory management system that will enable the tracking of products in stock, customer and supplier information, and invoices for sheet purchasing and sales. The system will be built using Java version 17, Spring Boot version 3.0.6, and the MySQL database management system for data storage.

Product Table: The product table will contain a list of all sheets available in the inventory. The sheet details will include the sheet ID, sheet name, size, thickness, and price. Each sheet will be identified by a unique ID, and the table will also include columns for the current stock count and the minimum stock level.

Invoice Table: The invoice table will contain a list of all the invoices generated for sheet purchasing and sales. The table will include details such as the invoice number, date, customer name, and supplier name. Additionally, the table will contain columns for the total price, including taxes and discounts.

Customer and Supplier Tables: The customer and supplier tables will contain information on all customers and suppliers involved in the sheet purchasing and sales process. The customer table will include details such as the customer ID, name, address, and contact details. Similarly, the supplier table will include information such as the supplier ID, name, address, and contact details.

Database Management System: MySQL will be used as the database management system for storing all the data. The database will be designed to ensure data integrity and security. We will use MySQL queries to manage the data stored in the database.

Conclusion: The inventory management system will enable the tracking of all products in stock, invoices generated for sheet purchasing and sales, customer and supplier information, and other relevant details. Using Java and Spring Boot, we will develop a robust system that meets the requirements of our clients. With the MySQL database management system, we will ensure that data is stored securely and can be accessed efficiently.

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