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Homework 3

Specification

Consider an order management application for processing customer orders for a warehouse. Relational databases are used to store the products, the clients and the orders. Furthermore, the application uses (minimally) the following classes:

1. Domain specific classes: **Order**, **Customer** and **Product**
2. Business Logic (warehouse-specific processing) classes**: OrderProcessing**, **WarehouseAdministration, ClientAdministration**
3. Presentation classes**:** GUI related classes
4. Data access classes**:** Database access related classes

Other classes and packages can be added to implement the full functionality of the application.

Requirements

a. Analyze the proposed application, determine the structure and behavior of its classes and draw an extended UML class diagram.
b. Design, implement and test the application classes. Use javadoc for documenting classes.
c. Define, design and implement a system of utility programs (examples: reports for under-stock, totals, filters, etc.).
d. Design and implement a comprehensive demo driver for the order management application.