**Database Management Project**

**Deliverable 0: Project Proposal (Initial Setup)**

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**Written Proposal for Computer Store Management System**

**Purpose for the Database**

The Computer Store Management System is designed to manage product inventory, track customer purchases, details of suppliers and order details. Its main purpose is to precise stock monitoring, simplifies the order processing workflow, and improves supplier coordination. Moreover, it enhances customer relationship management by storing purchase histories and customer information.

**Key functionalities**

* Inventory Management: Monitor stock levels, organize product categories, and automate the restocking process with suppliers.
* Order Processing: Oversee customer orders, document purchases, and create invoices.
* Supplier Management: Keep supplier information on file and track products being received.
* Customer Management: Manage customer profiles, including their purchase history and contact details.
* Reporting: Produce reports on sales, inventory, and suppliers to gain business insights.

**Entities included in the Database**

1. **Products:**
   1. Product ID (Primary Key)
   2. Product Name
   3. Brand
   4. Price
   5. Stock Level
   6. Supplier ID (Foreign Key)
2. **Suppliers:**
   1. Supplier ID (Primary Key)
   2. Name of the Supplier
   3. Phone
   4. Email
   5. Address
   6. Product ID(Foreign key)
3. **Customers:**
   1. Customer ID(Primary Key)
   2. Customer First Name
   3. Customer Last Name
   4. Phone
   5. Email
   6. Address
4. **Orders:**
   1. Order ID (Primary Key)
   2. Customer ID (Foreign key)
   3. Customer First Name(Foreign key)
   4. Customer Last Name(Foreign key)
   5. Date
   6. Product ID(Foreign key)
   7. Online Order (Yes or No)
   8. Store Order (Yes or No)
   9. Total Amount
   10. Quantity
5. **Employees:**
   1. Employee ID
   2. First Name
   3. Last Name
   4. Position
   5. Salary

**Types of Reports**

* Monthly Sales Reports
* Inventory Reports
* Customer Purchase History
* Suppliers Orders List
* Profit Margin Report

**Relationship Diagram**

