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AI-generated content may be incorrect.**FPT UNIVERSITY  
CLASS: SE1902  
COURSE: DBI202  
LECTURER: Nguyễn Thị Hồng Nhung**

**PROJECT REPORT**

**Group 1  
Project Name: Grocery Store Management System**

**1. Group Members:**

* **Leader: Nguyễn Hồ Phước An**
* **Members:**
  + **Đinh Công Phúc**
  + **Vũ An Khang**
  + **Lê Thiện Trí**
  + **Phan Đức Thọ**

**2. Task Allocation:**

* **Nguyễn Hồ Phước An: Responsible for creating Triggers, Procedures, and Functions.**
* **Đinh Công Phúc and Vũ An Khang: In charge of designing the ERD diagram.**
* **Lê Thiện Trí and Phan Đức Thọ: Responsible for creating database tables.**

**3. Project Objectives:**

**The Grocery Store Management System project aims to develop an efficient system for managing a grocery store, facilitating product management, order processing, customer management, and other business activities in a convenient and accurate manner.**

**4. Database Structure:**

**The system consists of the following main database tables:**

* **Supplier: Manages supplier information (SupplierID, SupplierName, PhoneNumber, Email, Address, City).**
* **Customer: Manages customer information (CustomerID, FirstName, LastName, Gender, PhoneNumber, Email, Address, City, RegistrationDate).**
* **Employee: Manages employee records (EmployeeID, FirstName, LastName, Gender, PhoneNumber, Email, Address, Position, Salary).**
* **Product: Manages product details (ProductID, ProductName, SupplierID, CategoryID, Price, StockQuantity).**
* **Order: Manages order details (OrderID, CustomerID, EmployeeID, OrderDate, TotalAmount).**
* **OrderDetails: Stores order-specific information (OrderDetailID, OrderID, ProductID, Quantity, Subtotal).**

**5. Database Operations (CRUD):**

* **Create: Add new suppliers, customers, employees, products, and orders.**
* **Read: Retrieve lists and details from database tables.**
* **Update: Modify supplier, customer, employee, and product information.**
* **Delete: Remove data when necessary.**

**6. Expected Outcomes:**

* **Develop a stable and efficient grocery store management system.**
* **Ensure that data is well-structured, easily accessible, and updatable.**
* **Integrate essential features such as product management, invoicing, customer, and supplier management.**
* **Guarantee system security and high performance.**