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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 - CE190747
* **Members:**
  + Đinh Công Phúc - CE190770
  + Vũ Minh Khang - CE191371
  + Lê Thiện Trí - CE191249
  + Phan Đức Thọ - CE191246

**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, City,HireDate,JobTitle,Department, Salary).
* Product: Manages product details (ProductID, ProductName,Description,Brand,Price, StockQuantity,Unit,ImageURL,CategoryID).
* Order: Manages order details (OrderID,OrderDate,ShippingAddressm,ShippingCity,Status,PaymentMethod,PromisedDate,ShippingFees,TrackingCode,EmployeeID,CustomerID,ProviderID).

**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.