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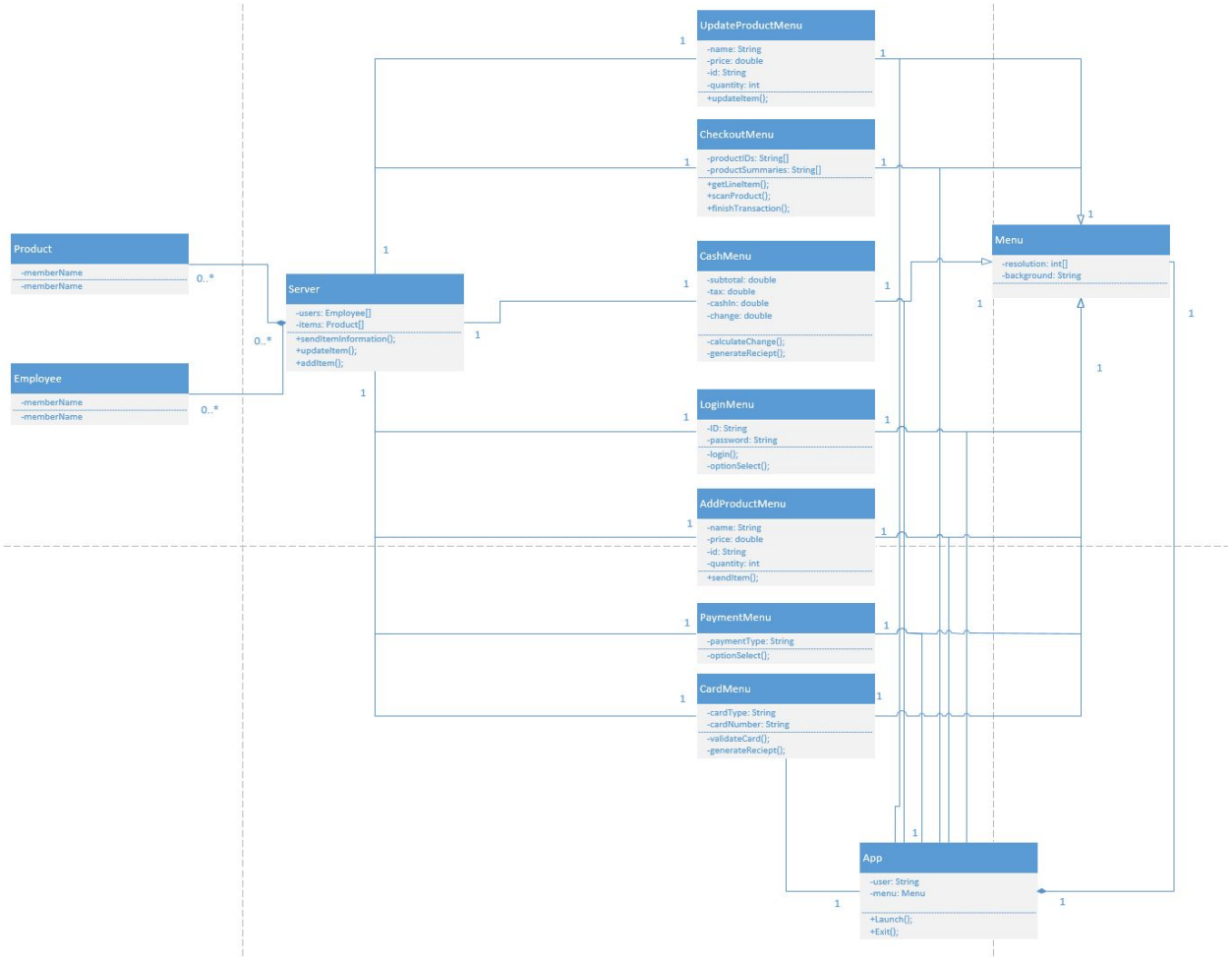
COMP 3700
Iteration 1 - Class and Database Design

This assignment is the next step of the assignment on use case and data analysis.

Task 1. Draw a class diagram for the Store Management System containing major classes (e.g., classes for GUI screens and dialogs, classes for data objects).

Task 2. Write SQL code to create a database for the Store Management System and insert the sample dataset you have prepared in the previous assignment.

1. Task #1



2. Task #2
    a. Creating Database
        i. CREATE DATABASE Store;
        ii. CREATE TABLE Inventory(Product_ID int, Product_Name text, Price decimal, Tax decimal, PRIMARY KEY(PRODUCT_ID));
        iii. CREATE TABLE Orders(Order_ID int, Total decimal, Customer_name text, Payment_type text, PRIMARY KEY(Order_ID));
    b. Inventory
        i. INSERT INTO Inventory VALUES (101, “Bunch of Bananas”, 3.58, .08, 122);
        ii. INSERT INTO Inventory VALUES (102, “Dane’s Bread”, 2.95, .08, 45);
        iii. INSERT INTO Inventory VALUES (112, “Eggs”, 2.62, .08, 176);
        iv. INSERT INTO Inventory VALUES (132, “Milk”, 3.10, .08, 39);
        v. INSERT INTO Inventory VALUES (195, “Pop Tarts”, 2.27, .08, 54);
    c. Orders
        i. INSERT INTO Orders VALUES (12312, 49.93, “Katie”, “Cash”);
        ii. INSERT INTO Orders VALUES (14145, 27.95, “Jack”, “Cash”);
        iii. INSERT INTO Orders VALUES (56754, 13.62, “Bill”, “Credit”);
        iv. INSERT INTO Orders VALUES (23633, 67.10, “John”, “Debit”);
        v. INSERT INTO Orders VALUES (23465, 12.27, “Smith”, “Cash”);