A202 STIA1123 C Assignment 1

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Part 1.1 OOP: Class Diagram

Grocery Store Business

Behavior

calculateBill()

printBill()

States

Product Bought

Amount of Product Bought

Price per product

Customer

Behavior

calculateNetIncome()

printDetailsFinance()

Behavior

calculateTotalInventory()

printDetailsInventory()

States

Name, amounts and value of products in inventory

Inventory Management

Behavior

calculateTotal SalaryEmployee()

printDetailsEmployees()

States

No of employee

Salary of employee

Employee Management

State

Sales

Expenses

Finance

Behavior

calculateCostMarketing()

PrintDetailsMarketing()

States

Advertising method

Cost of marketing

Marketing

Behavior

printDetailsProducts()

Product Description

States

Products name

Characteristics of products

Behaviours

PrintStoreDetails()

States

Products: Fruits and vegetables

Location

Phone number