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Project: Supermarket Billing System

Problem Analysis

Purpose

The main goal of the project is to calculate the bill of the customers in a supermarket. The customers enter the products from file, it will calculate the total and provide bills. This project will calculate the total bill and will also show the due against the cash given by the customers.

Overview of the Problems

For this project a customer will need to input the products from the file. It will add all prices and include vat. It will subtract the discount for valid membership status of the customers. Then it will show the total bill and due after all the procedures.

Solution to the Problems

1. A file can be created which will store the products and prices for each.
2. A customer will enter the products.
3. This code will calculate all the prices for the customers.
4. It also includes vat and subtract discount based on membership.
5. All the inputs for products can be uppercase or lowercase but input for membership status must be in lowercase.

Requirement Specification Document

Purpose

The main object of this document is to illustrate the requirements specifications of the project *Supermarket Billing System.* The document gives the description of the functional requirements of the project and their use cases.

Users

1. *Salesman*: The purpose of the seller is to show the bill of the customer.
2. *Customer*: The purpose of the customer is to see the bill after shopping from a supermarket.

Functional Requirements

1. The system will be able to ask how many products a customer wants to buy.
2. The system will ask for the products. And also ask quantity and prices of the product.
3. This system calculates the total prices.
4. This system will be able to ask membership status of the customer.
5. The system can show the due of the customer which he should get return after payment.

System Use Case Diagram