

Sample Problem 2: Grocery Store Bill Generation Application

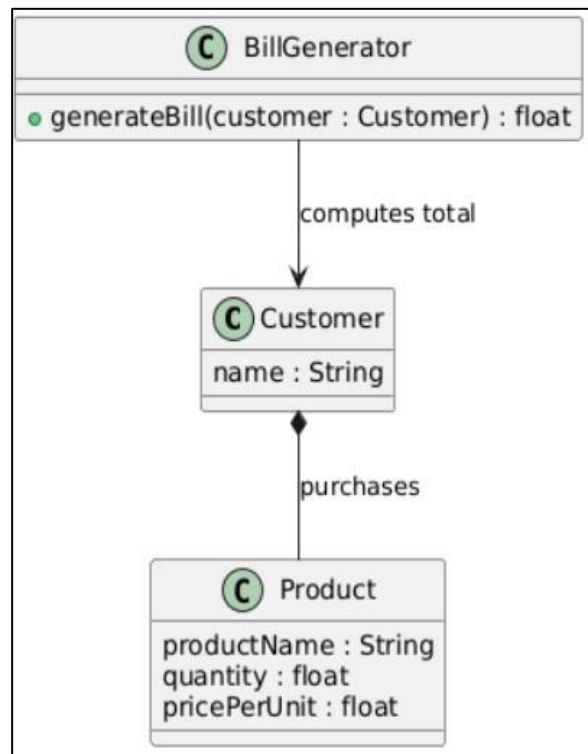
Class Diagram

Diagram Description: Classes: Customer, Product, BillGenerator

Relationships:

A Customer can purchase multiple Product items (Composition).

BillGenerator computes the total for the Customer.

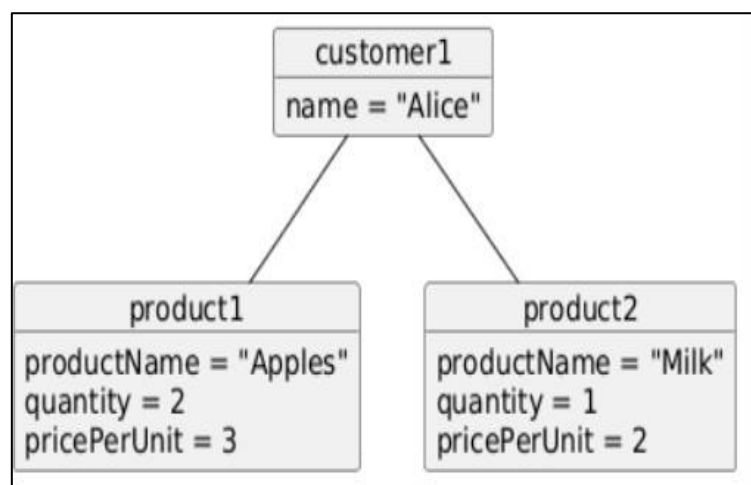


Object Diagram

Example:

Customer: Alice

Products: Apples (2 kg at \$3 per kg) & Milk (1 liter at \$2 per liter)



Sequence Diagram

Scenario: A customer checks out at the grocery store, and the total bill is generated.

Actors: Customer, BillGenerator

