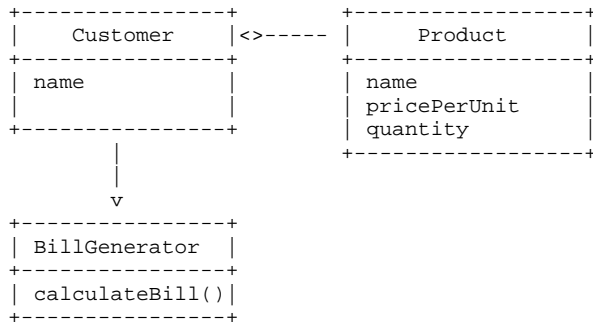


Sample Problem 2: Grocery Store Bill Generation Application

Class Diagram (ASCII UML)



Object Diagram (ASCII UML)

```
Customer: Alice
-----
Products:
- Apples : 2 kg @ $3/kg
- Milk   : 1 liter @ $2/liter
```

Sequence Diagram (ASCII UML)

```
sequenceDiagram
    participant Customer
    participant BillGenerator
    Customer->>BillGenerator: checkout()
    BillGenerator-->>Customer: totalBill
```