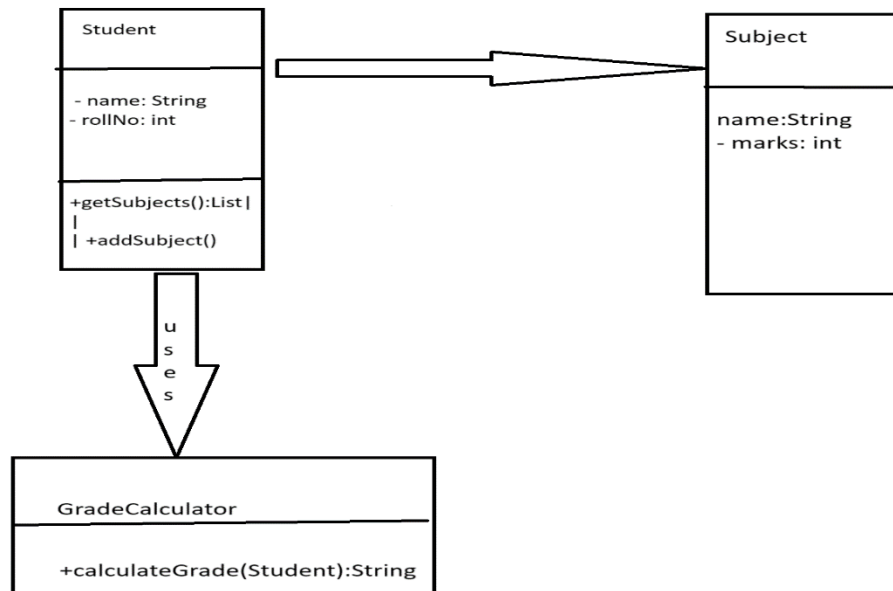
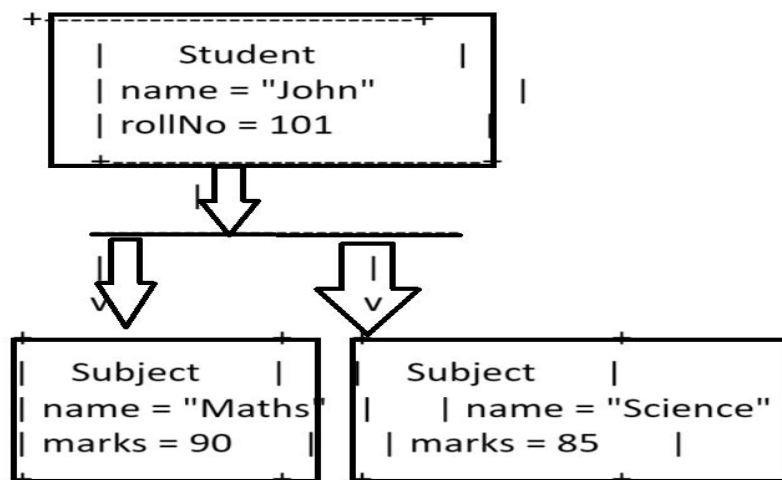


Problem 1: School Results Application

Class Diagram



Object Diagram

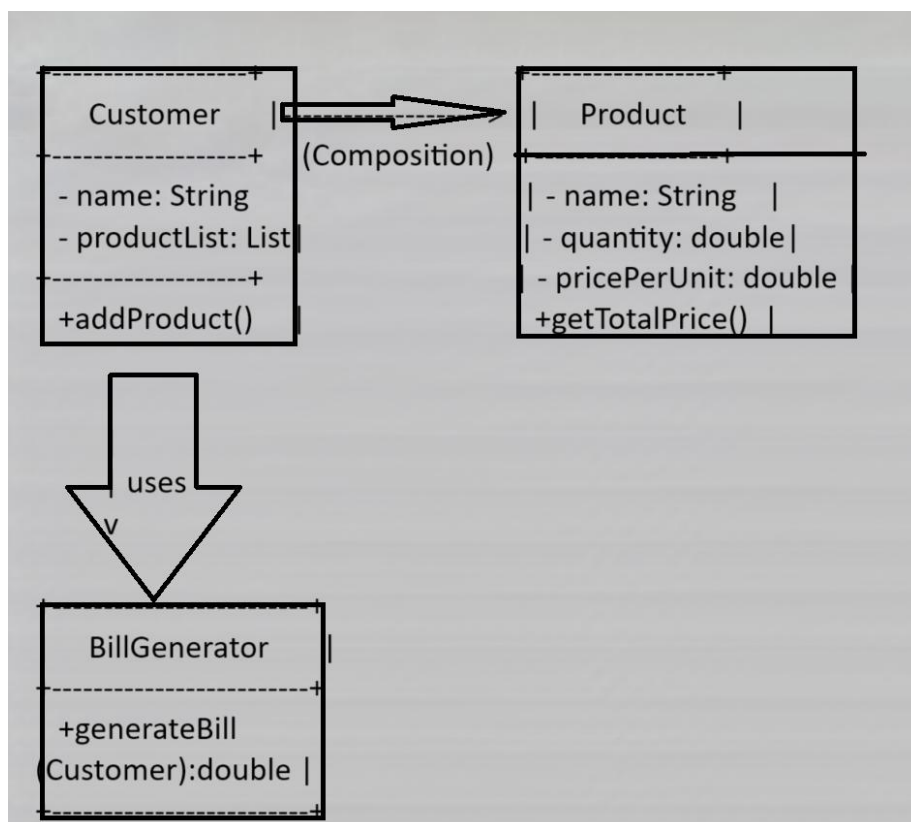


Sequence Diagram

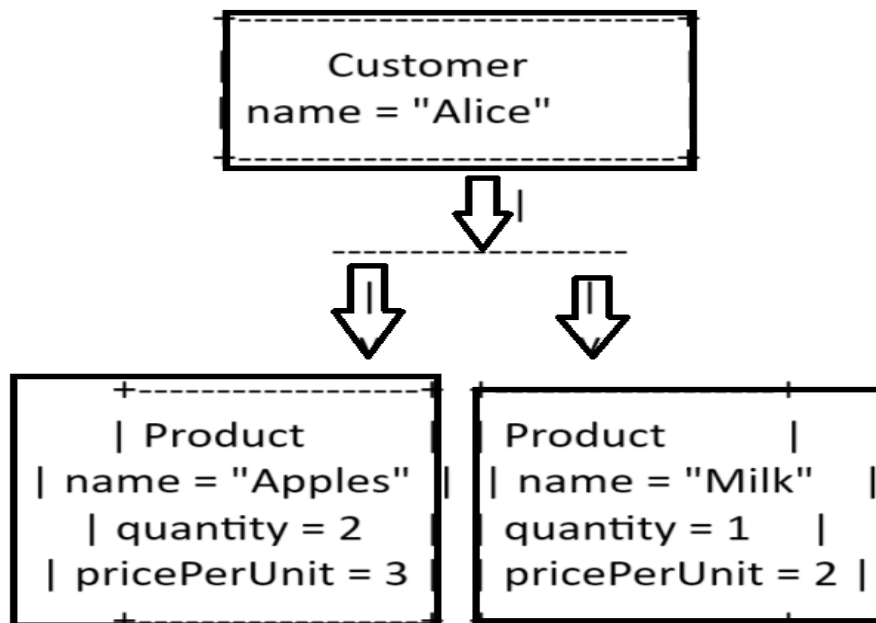
Student -> GradeCalculator : requestGrade(student)
GradeCalculator -> Student : getSubjects()
GradeCalculator -> Subject : getMarks() [for each subject]
GradeCalculator -> GradeCalculator : calculate total & average
GradeCalculator -> Student : return grade

Sample Problem 2: Grocery Store Bill Generation

Class Diagram



Object Diagram



Sequence Diagram

```
Customer -> BillGenerator : generateBill(this)
BillGenerator -> Customer : getProductList()
loop for each Product
    BillGenerator -> Product : getTotalPrice()
end loop
BillGenerator -> Customer : return total amount
```