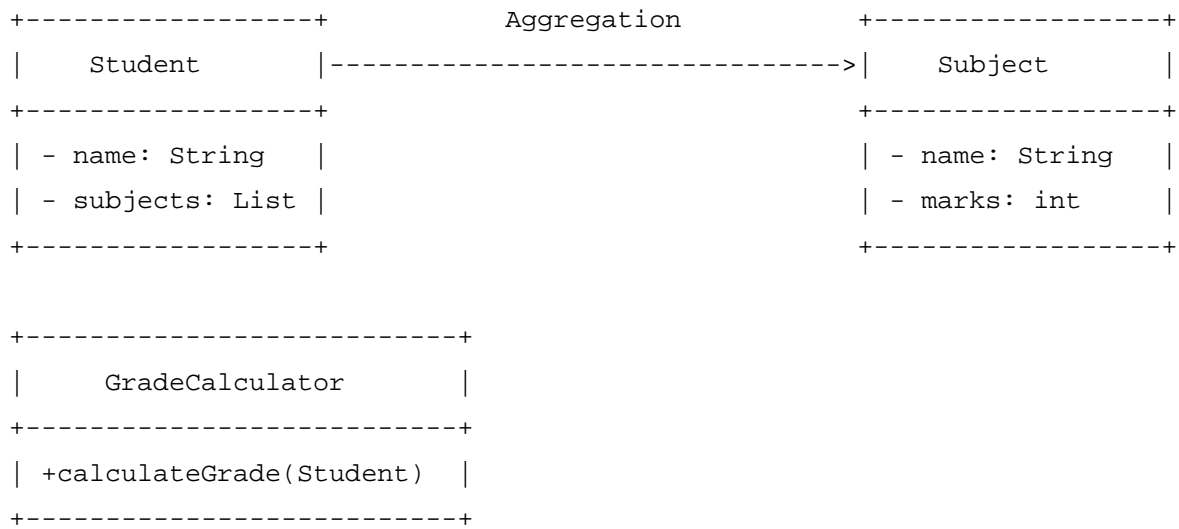
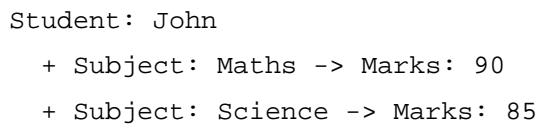


UML Diagrams for Sample Problems

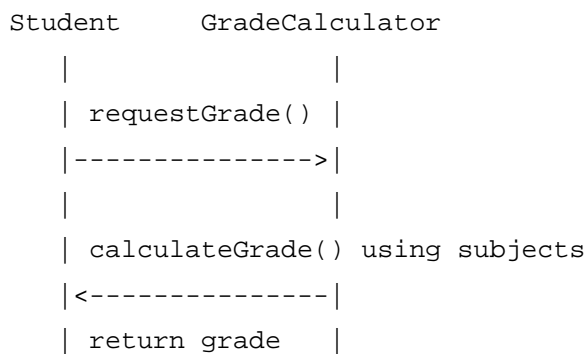
Class Diagram - School Results Application



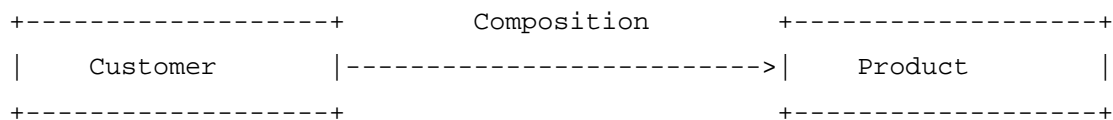
Object Diagram - School Results Application



Sequence Diagram - School Results Application



Class Diagram - Grocery Store Bill Application



UML Diagrams for Sample Problems

```
| - name: String |  
| - products: List |  
+-----+
```

```
| - name: String |  
| - quantity: float |  
| - pricePerUnit: $ |  
+-----+
```

```
+-----+  
|          BillGenerator          |  
+-----+  
| +generateBill(Customer): $    |  
+-----+
```

Object Diagram - Grocery Store Bill Application

Customer: Alice
+ Product: Apples -> 2 kg @ \$3/kg
+ Product: Milk -> 1 L @ \$2/L

Sequence Diagram - Grocery Store Bill Application

```
Customer      BillGenerator  
|              |  
| checkout()   |  
|----->|  
| generateBill() with products  
|<-----|  
| return total |
```