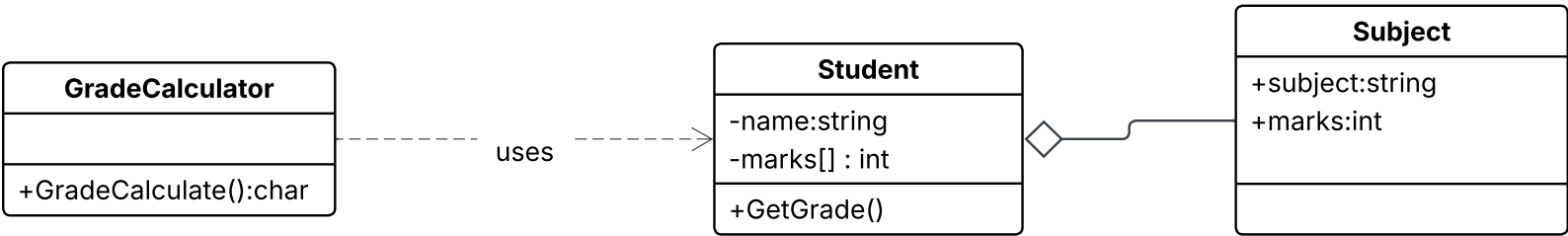# School Results Application

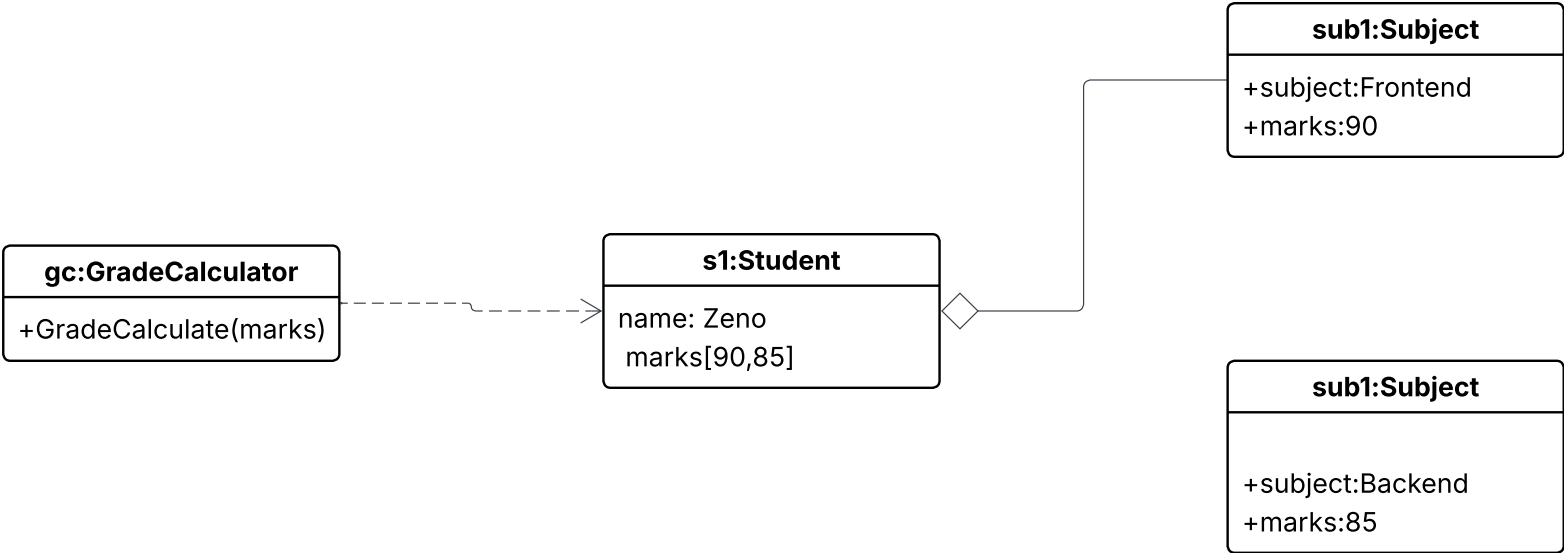Class Diagram
o Diagram Description:
- Classes: Student, Subject, GradeCalculator
- Relationships:
  - A Student has multiple Subject entries (Aggregation).
  - GradeCalculator computes the results for a Student.Text

GradeCalculator

+GradeCalculate():char

uses ---→

Student

-name:string
-marks[] : int

+GetGrade()

Subject

+subject:string
+marks:int

Object Diagram
o Example:
- Student: John
- Subjects: Maths, Science
- Marks: 90, 85

sub1:Subject

+subject:Frontend
+marks:90

gc:GradeCalculator

+GradeCalculate(marks)

s1:Student

name: Zeno
marks[90,85]

sub1:Subject

+subject:Backend
+marks:85

Sequence Diagram
o Scenario: A student requests their grade based on marks in subjects.
o Actors: Student, GradeCalculator

Student

GradeCalculator

SendMarks →

Calculate the Grade

← - - - - **GetGrade** - - - -