Student

-id: int
-name: string
-email: string

+addSubject(subject: Subject): void
+removeSubject(subjectId: int): void
+getSubjects(): List

GradeCalculator

+calculateGrade(student: Student): string
+getAverageScore(student: Student): float

Subject

-id: int
-name: string
-score: float

+updateScore(score: float): void
+getScore(): float

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Student — GradeCalculator — Subject

Request grade calculation →
getSubjects() ←
Return list of subjects →
For each subject: getScore() →
Return subject score ←
Calculate average score
Determine letter grade based on average
Return final grade ←
Request average score →
getAverageScore(student)
Return average score ←
Add new subject
addSubject(subject) →
Confirm subject added ←
Update subject score →
updateScore(score) →
Confirm score updated ←

Student — GradeCalculator — Subject