Assignment

-name
-grade

+Assignment(grade, name)
+getName() : string
+getGrade() : int
+setName(name)
+setGrade(grade)
+toString() : String

Student

-gpa
-creditsNeeded
-name
-id
-creditsEarned

+Student()
+getGpa() : int
+getCreditsNeeded() : int
+getName() : string
+getId() : int
+getCreditsEarned() : int
+calculateGpa()
+calculateCreditsEarned(earned)
+setName(name)
+setId(id)
+setCreditsNeeded(needed)
+addCourse(course)
+toString() : String

Catagory

-weight
-name
-average
-assignments

+Catagory()
+getAverage() : double
+getWeight() : double
+getName() : String
+calculateAverage()
+setWeight(newWeight)
+setName(newName)
+addAssignment(newAssignment)
+toString() : String

Calculator

+Calculator()
+average(list) : double
+grade(list) : double
+gpa(list) : double
+creditsEarned(list) : int
-gpaPoints(course) : double

Course

-name
-prefix
-courseCode
-credits
-grade
-gradeType
-startDate
-endDate
-isFinished
-catagories

+Course(name, prefix, code, star, end, grade, gradeTypr, credits)
+getName() : string
+getCourseCode() : int
+getPrefix() : string
+getTitle() : string
+getCredits() : int
+getGrade() : double
-getGradeType() : int
+getStart() : Calander
+getEnd() : Calander
+setName(Name)
+setCourseCode(Num, number)
+setPrefix(prefix)
+setTitle(title)
+setCredits(credits)
+setGrade(grade)
+setGradeType(gradeType)
+setStart(startDate)
+setEnd(endDate)
+addCatagory(newCatagory)
+calculateGrade()
+isFinished() : boolean
+toString() : String