**Student**

**School**

**Course**

* studentID
* name
* study\_mode
* courseslist

+ addCourse(course)

+ setName( name)

+setStudyMode(mode)

+calculateGPA()

+CheckRequirement():

+countCreditPoints()

+countEnrolledCourses()

**School**

* TotalStudents
* TotalCourses
* students
* AvailableCourses

+ read\_scores(file\_name)

+ getTopStudent()

+ GenerateCoursesReport(file\_name)

+ GenerateStudentReport(file\_name)

+GenerateStudentReportAtHDLevel(file\_name)

+ printCourseStatistic()

**Course**

* courseCode
* Name
* score =
* CreditPoint
* Compulsory
* N\_students
* Average

+ setTotalEnrolledStudent( n\_students)

+ setAverageOfCourse( avg)

+printStats(self)