

Registration
+ Registration(Student, List <course>):</course>
- student: Student - courses: List <course></course>
+ approveRequest(Advisor): void + rejectRequest(Advisor): void

getStudent(): Student

- addRequest(Advisor): void

Grade

Grade(String):

letterGrade: String
gradeOver100: int
gradeOver4: double
getGradeOver4(): double
setGradeOver4(): void

getLetterGrade(): String

main
+ main():
+ main(String[]): void

Course Department · Course(String, String, int): Department(String): · Course(String, String, int, byte): - advisorIDAdvisorMap: Map<String, Advisor> semester: byte - courses: List<Course> courseCode: String courseCodeCourseMap: Map<String, Course> preRequsitieToCourses: List<Course> - maxCourseNumber: byte lecturer: Lecturer transcripts: List<Transcript> courseSections: List<CourseSection> - userNamePersonMap: Map<String, Person> - preRequisiteCourses: List<Course> departmentName: String courseCredit: int advisors: List<Advisor> - studentIDStudentMap: Map<String, Student> courseName: String - students: List<Student> · getPreRequisiteCourses(): List<Course> · addPreRequisiteCourse(Course): void + getAdvisors(): List<Advisor> getCourseSessions(): List - getTranscripts(): List<Transcript> getSemester(): byte getDepartmentName(): String · getCourseCredit(): int + getMaxCourseNumber(): byte getCourseCode(): String + getCourses(): List<Course> · getCourseName(): String - getUserNamePersonMap(): Map<String, Person> getStudents(): List<Student> CourseSection CourseSection(Course, String, String, int): courseSectionCode: String - hour: int - day: String - students: List getDay(): String

Transcript + Transcript(): + Transcript(Student): - courseGradeMap: Map<Course, Grade> - cgpa: double - semester: byte - student: Student - takenCredits: int - completedCredits: int - studentCourses: List<Course> + courseStatusCheck(Student): void + setStudent(Student): void - calculateCgpa(): double + showTranscript(): void

calculativeCompletedCredits(): int

getCourseGradeMap(): Map<Course, Grade>

readTranscript(String): Student

calculateTakenCredits(): int