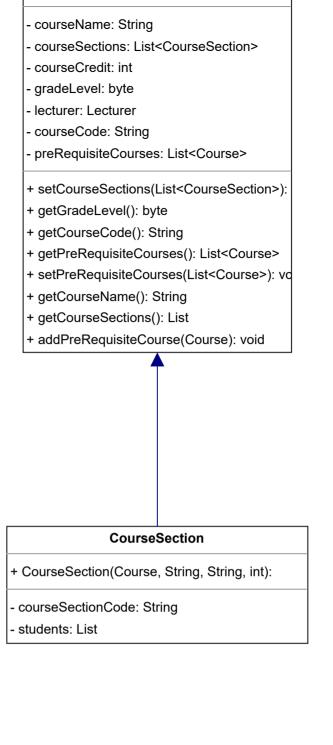
Person {abstract} - Person(int, String, String, String): - Person(String, String): department: Department · ID: int · surname: String name: String password: String userName: String getName(): String setUserName(String): void getPassword(): String getDepartment(): Department getSurname(): String - setPassword(String): void getID(): int getUserName(): String - setDepartment(Department): void login(String, String): boolean Lecturer · Lecturer(int, String, String, String, String): <<interface>> + Lecturer(int, String, String): **IDisplayMenu** · lessonsTaught: List<Course> + printMenu(String): void login(String, String): boolean getLessonsTaught(): List<Course> Student Student(int, String, String, String, String, byte): Advisor - gradeLevel: byte CourseRegistrationSystem transcript: Transcript + Advisor(int, String, String, String): CourseRegistrationSystem(): courseSectionMap: Map<Course, CourseSection> requestList: List<Registration> availableCourses: List<Course> choice: int · requestNumber: int advisor: Advisor input: Scanner studentsAdvised: List<Student> draft: List<Course> hasRequest: boolean studentMenu(Student): void + addRequest(Registration): void loginMenu(Department): void + setRequestNumber(int): void setPassword(String): void - advisorMenu(Advisor): void + printRequests(): void printMenu(String): void - printMenu(String): void + replyRequests(): void getDraft(): List<Course> courseSelectionMenu(Student): void + getRequestList(): List<Registration> getTranscript(): Transcript + getInput(): int + printMenu(String): void addCourse(): void + mainMenu(Department): void ~ login(String, String): boolean getAvailableCourses(): List<Course> exitProgram(): void + getStudentsAdvised(): List<Student> getDepartmentName(): String start(): void - getRequests(): List<Registration> setUserName(String): void getGradeLevel(): byte · login(String, String): boolean setDraft(List<Course>): void setHasRequest(boolean): void · isHasRequest(): boolean showRequestStatus(): void getCourseSectionMap(): Map<Course, CourseSection> · dropCourse(): void · viewAvailableCourses(): void setTranscript(Transcript): void setAdvisor(Advisor): void sendRequest(): void

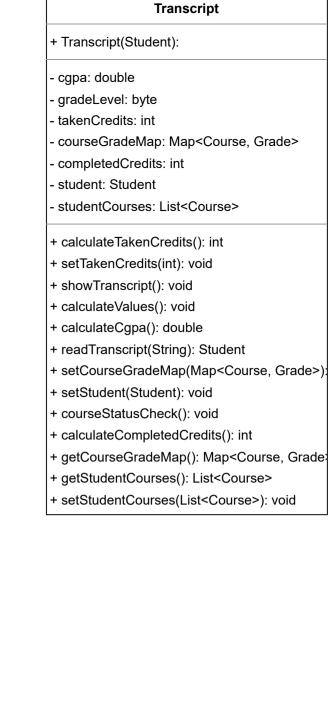
getAdvisor(): Advisor

Department Department(String): students: List<Student> advisorIDAdvisorMap: Map<Integer, Advisor> departmentName: String maxCourseNumber: byte lecturers: List<Lecturer> courseSections: List<CourseSection> sectionCodeCourseMap: Map<String, Course> sectionCourseMap: Map<CourseSection, Course> transcripts: List<Transcript> userNamePersonMap: Map<String, Person> courses: List<Course> courseCodeCourseMap: Map<String, Course> advisors: List<Advisor> studentIDStudentMap: Map<Integer, Student> getDepartmentName(): String - getStudents(): List<Student> - getAdvisorIDAdvisorMap(): Map<Integer, Advisor> getLecturers(): List<Lecturer> getCourses(): List<Course> - getStudentIDStudentMap(): Map<Integer, Student> - getCourseCodeCourseMap(): Map<String, Course> - getCourseSections(): List<CourseSection> - getTranscripts(): List<Transcript> getMaxCourseNumber(): byte getSectionCourseMap(): Map<CourseSection, Course> - getUserNamePersonMap(): Map<String, Person> - getSectionCodeCourseMap(): Map<String, Course> getAdvisors(): List<Advisor>



Course

Course(String, String, int, byte):



JSONReader():

studentRegistrationMap: Map<Student, Registra

JSONReader

· lecturerIDCoursesMap: Map<Integer, List<String

jsonNode: JsonNode

studentIDAdvisorIDMap: Map<Integer, Integer>

- coursePrerequisiteCourseCodesMap: Map<Coվ

mapper: ObjectMapper

· courseSectionCodesMap: Map<Course, List<St

studentIDDraftMap: Map<Integer, List<String>>

· advisorIDCoursesMap: Map<Integer, List<String

readRequests(Department): void

+ start(Department): void

+ writeJson(): void

Registration

Registration(Student, List<Course>):

student: Student

courses: List<Course>

approveRequest(Advisor): void

rejectRequest(Advisor): void

showRequest(): void

+ getStudent(): Student

Grade

Grade(String):

letterGrade: String

gradeOver4: double

gradeOver100: int

getLetterGrade(): String

setGradeOver100(): void

setGradeOver4(): void

+ main():

+ main(String[]): void

main