<<Abstract>>
Person

- personName: String
- personSurname: String
- username: String
- password: String

+getPersonName(): String
+getPersonSurname(): String
+getFullName(): String
+getUsername(): String
+getPassword(): String
+setPersonName(PersonName: String): void
+setPersonSurname(PersonSurname: String): void
+setUsername(username: String): void
+setPassword(password: String): void

Course

- shortName: String
- fullName: String
- description: String
-prerequisite: String

+ getShortName(): String
+ setShortName(shortName: String): void
+ getFullName(): String
+ setFullName(fullName: String): void
+ getDescription(): String
+ setDescription(description: String): void
+ getCourseInfo(): String
+ getPrerequisite(): String
+ setPrerequisite(prerequisite: String): void

Json

- databaseFolder: String

- getStudentFiles(): ArrayList<String>
+ getStudents(): ArrayList<Student>
+ getLecturers(): ArrayList<Lecturer>
+ getAdvisors: ArrayList<Advisor>
+ getCourses(): ArrayList<Course>

Staff

- reputation: String
- officeHours: ArrayList<TimeInterval>
- salary: int
- employmentStatus: String

+ getReputation(): String
+ setReputation(salary: int): void
+ getOfficeHours(): String
+ addOfficeHours(officeHours: TimeInterval): boolean
+ deleteOfficeHours(officeHoures: TimeInterval): boolean
+ getSalary(): int
+ setSalary(salary: int): void
+ getEmploymentStatus(): String
+ setEmploymentStatus(employeStatus: String): void

CourseSection

- dates: ArrayList<TimeInterval>
- sectionName: String
- lecturer: Lecturer
- quota: int

+ getDates(): ArrayList<TimeInterval>
+ setDates(timeIntervals: TimeInterval): void
+ getSectionName(): String
+ setSectionName(sectionName: String): void
+ getLecturer(): Lecturer
+ setLecturer(lecturer: Lecturer): void
+ getQuota(): int
+ setQuote(quota: int): void
+ addDate(timeInterval: TimeInterval): boolean
+ removeDate(timeInterval: TimeInterval): boolean
+ getCourseSectionInfo(): String

TimeInterval

- startTime: String
- endTime: String
- dayOfWeek: String

+ getStartTime(): String
+ setStartTime(startTime: String): void
+ getEndTime(): String
+ setEndTime(endTIme: String): void
+ getDayOfWeek(): String
+ setDayOfWeek(dayOfWeek: String): void
+ getTotalTimeInMinutes(): int
+ getTimeIntervalInfo(): String

Student

- address: String
- phoneNumber: String
- studentYear: int
- entranceYear: int
- isApproved: boolean
- courses: ArrayList<CourseSection>
- transcript: Transcript

+ getAddress(): String
+ setAddress(address: String): void
+ getPhoneNumber(): String
+ setPhoneNumber(phoneNumber: String): void
+ getStudentYear(): int
+ setStudentYear(studentYear: int): void
+ getEntranceYear(): int
+ setEntranceYear(entranceYear: String): void
+ getApproved(): boolean
+ setApproved(isApproved: boolean): void
+ getCourses(): ArrayList<CourseSection>
+ addCourses(course: Course): boolean
+ deleteCourse(course: Course): boolean

Advisor

-students: ArrayList<Student>

+ getStudents(): ArrayList<Student>
+ addStudent(student: Student): boolean
+ deleteStudent(student: Student): boolean

Lecturer

- courses: ArrayList<Courses>

+ getCourses(): ArrayList<Course>
+ addCourse(course: Course): boolean
+ deleteCourse(course: Course): boolean

Transcript

- listGrades: ArrayList<Grade>

+ getGrades(): String
+ addGrade(grade: Grade): boolean
+ deleteGrade(grade: Grade): boolean

Grade

- course: Course
- grade: String

+ getCourse(): Course
+ setCourse(course: Course): Course
+ getGrade(): String
+ setGrade(grade: String): String

System

+ field: type

+ method(type): type