## Department Grade \_laboratorySections: List gradeOver4: Integer sectionCodeCourseMap: Map \_letterGrade: String studentIDStudentMap: Map \_gradeOver100: Integer \_lecturers: List \_courseCodeCourseMap: Map \_init\_\_(self, letterGrade): \_assistants: List setGradeOver100(self): \_labSectionCourseMap: Map setGradeOver4(self): students: List getLetterGrade(self): \_advisors: List getGradeOver4(self): courses: List \_advisorIDAdvisorMap: Map \_departmentName: String

\_transcripts: List

getAdvisors(self):

getCourses(self):

getStudents(self):

getLecturers(self):

getAssistants(self):

getTranscripts(self):

\_maxCourseNumber: Integer

getDepartmentName(self):

getLaboratorySections(self):

getCourseCodeCourseMap(self):

getSectionCodeCourseMap(self):

getLabSectionCourseMap(self):

getStudentIDStudentMap(self):

getAdvisorIDAdvisorMap(self):

**JSONWriter** 

department: Department

\_init\_\_(self):

writeJson(self):

start(self, university):

writeTranscripts(self):

writeRequests(self):

writeStudents(self):

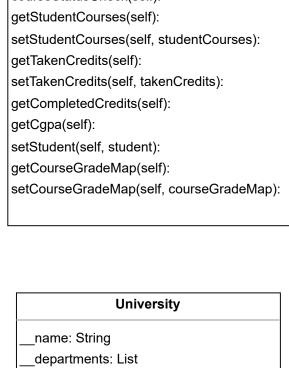
getMaxCourseNumber(self):

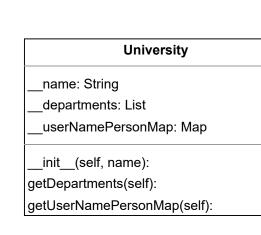
\_init\_\_(self, departmentName: str):

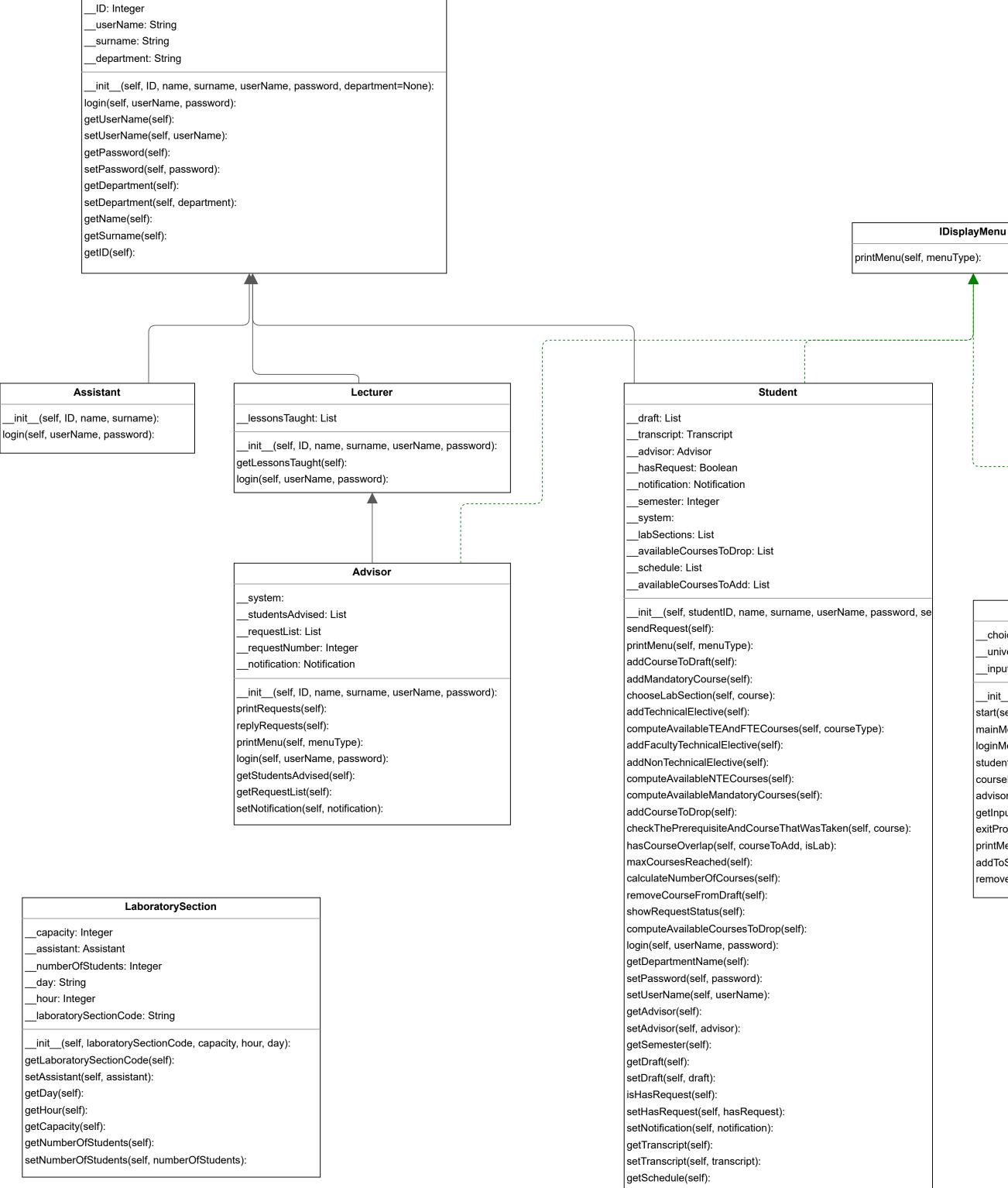
	Notification
recipie	nt: Person
messa	ge: String
init_	_(self, recipient, message):
IN I	otification(self):
senain	ounoution (oon).

	Registration
syste	em:
cour	ses: List
stud	ent: Student
init_	_(self, student, courses):
approv	eRequest(self):
rejectR	equest(self):
addRe	quest(self, advisor):
getStu	lent(self):
getCou	rses(self):

JSONReader	Transcript	
assistantIDAssistantMap: MapadvisorIDCoursesMap: Mapsystem:coursePrerequisiteCourseCodesMap: MapstudentIDAdvisorIDMap: MapstudentRegistrationMap: Mapdepartment: Departmentuniversity: UniversitylecturerIDCoursesMap: MapsectionCodeSectionMap: Mapinit(self): readDepartments(self, university): readJson(self): readJson(self): readAssistants(self): readAssistants(self): readStudents(self): readStudents(self): readStudents(self): readRequests(self): readRequests(self): readAdvisors(self): readAdvisors(self): readAdvisors(self): readAdvisors(self): readAdvisors(self): readAdvisors(self):	semester: Integercgpa: IntegercompletedCredits: Integerstudent: StudentcourseGradeMap: MaptakenCredits: IntegerstudentCourses: Listinit(self, student): calculateValues(self): calculateCgpa(self): calculateTakenCredits(self): calculateCompletedCredits(self): showTranscript(self): courseStatusCheck(self): getStudentCourses(self, studentCourses): getTakenCredits(self, studentCourses): getTakenCredits(self, takenCredits): getCompletedCredits(self): setStudent(self, student): getCgpa(self): setStudent(self, student): getCourseGradeMap(self): setCourseGradeMap(self, courseGradeMap	







Person

\_name: String

\_password: String

Course semester: Byte \_capacity: Integer \_courseCode: String \_laboratorySections: List \_courseType: String lecturer: Lecturer \_courseName: String \_numberOfStudents: Integer \_day: String \_hour: Integer \_courseCredit: Integer \_preRequisiteCourses: List \_init\_\_(self, courseName, courseCode, courseType, courseCre getCourseName(self): getPreRequisiteCourses(self): getCourseCode(self) getCourseType(self): getCourseCredit(self): getHour(self): getDay(self): getLaboratorySections(self): getNumberOfStudents(self): set Number Of Students (self, number Of Students):setLecturer(self, lecturer): hasCapacity(self): getSemester(self):

ConsoleColours

ANSI RESET: String

ANSI\_BLACK: String

resetColour():

paintBlueMenu():

paintRedMenu():

paintYellowMenu(): paintGreenMenu():

paintPurpleMenu():

paintWhiteMenu():

getLabSections(self):

ANSI\_WHITE\_BRIGHT: String

ANSI RED\_BACKGROUND: String

ANSI\_GREEN\_BACKGROUND: String

ANSI\_YELLOW\_BACKGROUND: String

ANSI\_PURPLE\_BACKGROUND: String

ANSI\_WHITE\_BRIGHT\_BACKGROUND: String

ANSI\_BLUE\_BACKGROUND: String

