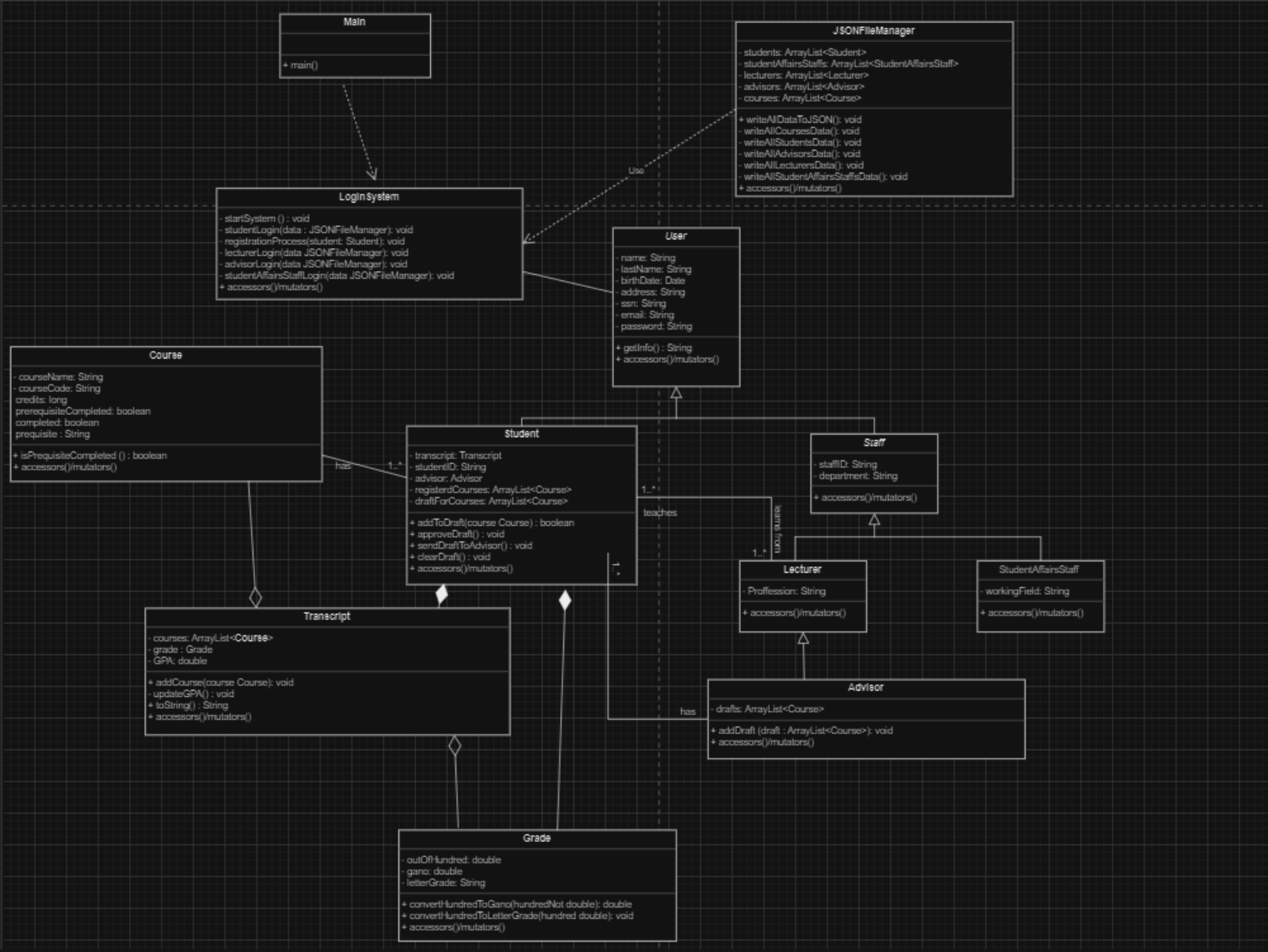
Main
+ main()
JSONFileManager
- students: ArrayList<Student>
- studentAffairsStaffs: ArrayList<StudentAffairsStaff>
- lecturers: ArrayList<Lecturer>
- advisors: ArrayList<Advisor>
- courses: ArrayList<Course>
+ writeAllDataToJSON(): void
- writeAllCoursesData(): void
- writeAllStudentsData(): void
- writeAllAdvisorsData(): void
- writeAllLecturersData(): void
- writeAllStudentAffairsStaffsData(): void
+ accessors()/mutators()
Use
LoginSystem
- startSystem () : void
- studentLogin(data : JSONFileManager): void
- registrationProcess(student: Student): void
- lecturerLogin(data JSONFileManager): void
- advisorLogin(data JSONFileManager): void
- studentAffairsStaffLogin(data JSONFileManager): void
+ accessors()/mutators()
User
- name: String
- lastName: String
- birthDate: Date
- address: String
- ssn: String
- email: String
- password: String
+ getInfo() : String
+ accessors()/mutators()
Course
- courseName: String
- courseCode: String
credits: long
prerequisiteCompleted: boolean
completed: boolean
prequisite : String
+ isPrequisiteCompleted () : boolean
+ accessors()/mutators()
has
1..*
Student
- transcript: Transcript
- studentID: String
- advisor: Advisor
- registeredCourses: ArrayList<Course>
- draftForCourses: ArrayList<Course>
+ addToDraft(course Course) : boolean
+ approveDraft() : void
+ sendDraftToAdvisor() : void
+ clearDraft() : void
+ accessors()/mutators()
1..*
teaches
Staff
- staffID: String
- department: String
+ accessors()/mutators()
worth from
1..*
Lecturer
- Proffession: String
+ accessors()/mutators()
StudentAffairsStaff
- workingField: String
+ accessors()/mutators()
Advisor
- drafts: ArrayList<Course>
+ addDraft (draft : ArrayList<Course>): void
+ accessors()/mutators()
has
Transcript
- courses: ArrayList<Course>
- grade : Grade
- GPA: double
+ addCourse(course Course): void
- updateGPA() : void
+ toString() : String
+ accessors()/mutators()
Grade
- outOfHundred: double
- gano: double
- letterGrade: String
+ convertHundredToGano(hundredNot double): double
+ convertHundredToLetterGrade(hundred double): void
+ accessors()/mutators()