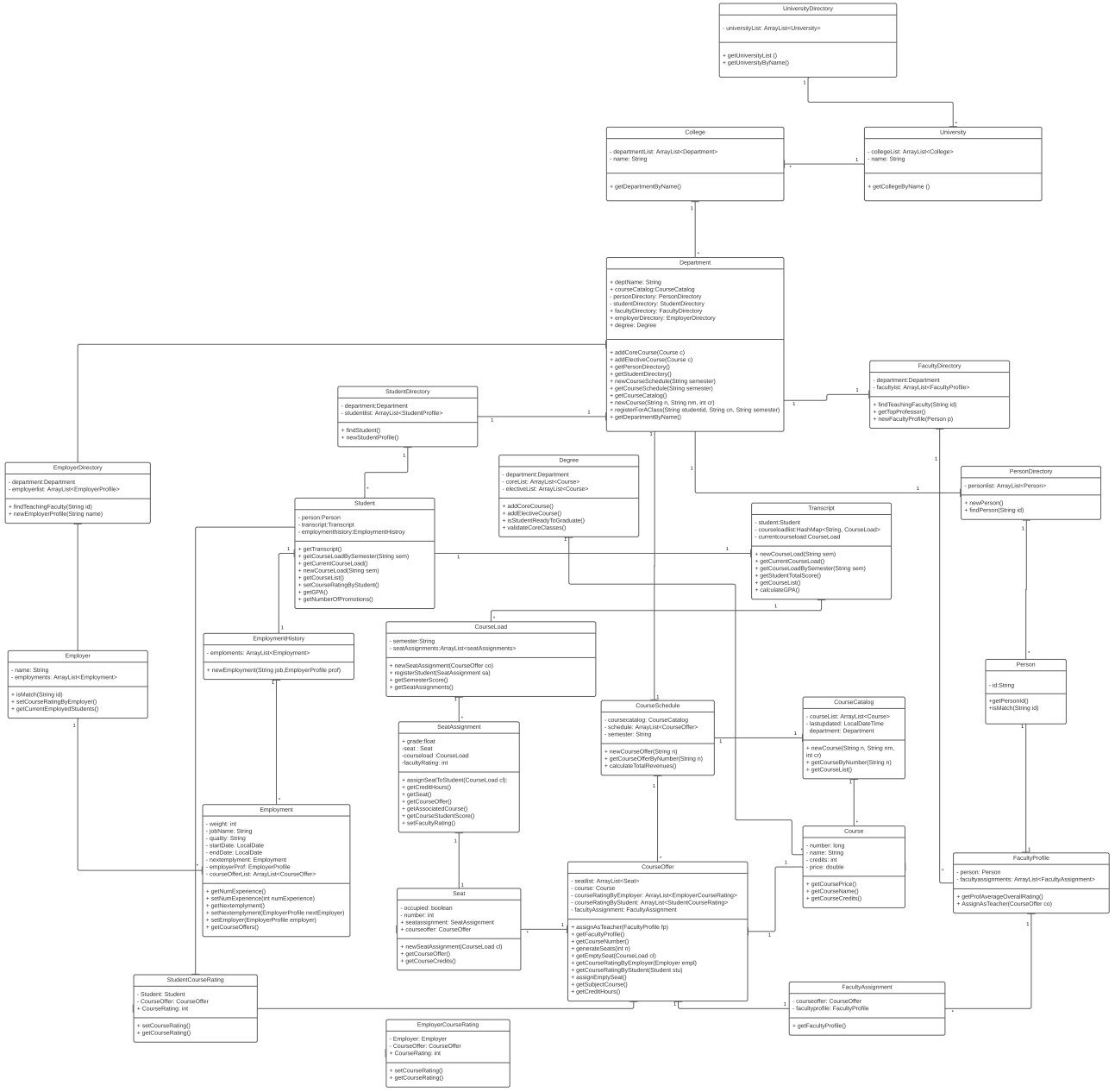
UniversityDirectory
- universityList: ArrayList<University>
+ getUniversityList ()
+ getUniversityByName()
University
- collegeList: ArrayList<College>
- name: String
+ getCollegeByName ()
College
- departmentList: ArrayList<Department>
- name: String
+ getDepartmentByName()
Department
+ deptName: String
+ courseCatalog:CourseCatalog
- personDirectory: PersonDirectory
- studentDirectory: StudentDirectory
+ facultyDirectory: FacultyDirectory
+ employerDirectory: EmployerDirectory
+ degree: Degree
+ addCoreCourse(Course c)
+ addElectiveCourse(Course c)
+ getPersonDirectory()
+ getStudentDirectory()
+ newCourseSchedule(String semester)
+ getCourseSchedule(String semester)
+ getCourseCatalog()
+ newCourse(String n, String nm, int cr)
+ registerForAClass(String studentId, String cn, String semester)
+ getDepartmentByName()
FacultyDirectory
- department:Department
- facultylist: ArrayList<FacultyProfile>
+ findTeachingFaculty(String id)
+ getTopProfessor()
+ newFacultyProfile(Person p)
StudentDirectory
- department:Department
- studentlist: ArrayList<StudentProfile>
+ findStudent()
+ newStudentProfile()
EmployerDirectory
- department:Department
- employerlist: ArrayList<EmployerProfile>
+ findTeachingFaculty(String id)
+ newEmployerProfile(String name)
Degree
- department:Department
- coreList: ArrayList<Course>
- electiveList: ArrayList<Course>
+ addCoreCourse()
+ addElectiveCourse()
+ isStudentReadyToGraduate()
+ validateCoreClasses()
PersonDirectory
- personlist: ArrayList<Person>
+ newPerson()
+ findPerson(String id)
Student
- person:Person
- transcript:Transcript
- employmenthistory:EmploymentHistroy
+ getTranscript()
+ getCourseLoadBySemester(String sem)
+ getCurrentCourseLoad()
+ newCourseLoad(String sem)
+ getCourseList()
+ setCourseRatingByStudent()
+ getGPA()
+ getNumberOfPromotions()
Transcript
- student:Student
- courseloadlist:HashMap<String, CourseLoad>
- currentcourseload:CourseLoad
+ newCourseLoad(String sem)
+ getCurrentCourseLoad()
+ getCourseLoadBySemester(String sem)
+ getStudentTotalScore()
+ getCourseList()
+ calculateGPA()
EmploymentHistory
- emploments: ArrayList<Employment>
+ newEmployment(String job,EmployerProfile prof)
CourseLoad
- semester:String
- seatAssignments:ArrayList<seatAssignments>
+ newSeatAssignment(CourseOffer co)
+ registerStudent(SeatAssignment sa)
+ getSemesterScore()
+ getSeatAssignments()
Employer
- name: String
- employments: ArrayList<Employment>
+ isMatch(String id)
+ setCourseRatingByEmployer()
+ getCurrentEmployedStudents()
Person
- id:String
+getPersonId()
+isMatch(String id)
CourseSchedule
- coursecatalog: CourseCatalog
- schedule: ArrayList<CourseOffer>
- semester: String
+ newCourseOffer(String n)
+ getCourseOfferByNumber(String n)
+ calculateTotalRevenues()
CourseCatalog
- courseList: ArrayList<Course>
- lastupdated: LocalDateTime
- department: Department
+ newCourse(String n, String nm, int cr)
+ getCourseByNumber(String n)
+ getCourseList()
SeatAssignment
+ grade:float
-seat : Seat
-courseload :CourseLoad
-facultyRating: int
+ assignSeatToStudent(CourseLoad cl):
+ getCreditHours()
+ getSeat()
+ getCourseOffer()
+ getAssociatedCourse()
+ getCourseStudentScore()
+ setFacultyRating()
Employment
- weight: int
- jobName: String
- quality: String
- startDate: LocalDate
- endDate: LocalDate
- nextemplyment: Employment
- employerProf: EmployerProfile
- courseOfferList: ArrayList<CourseOffer>
+ getNumExperience()
+ setNumExperience(int numExperience)
+ getNextemplyment()
+ setNextemplyment(EmployerProfile nextEmployer)
+ setEmployer(EmployerProfile employer)
+ getCourseOffers()
Course
- number: long
- name: String
- credits: int
- price: double
+ getCoursePrice()
+ getCourseName()
+ getCourseCredits()
FacultyProfile
- person: Person
- facultyassignments: ArrayList<FacultyAssignment>
+ getProfAverageOverallRating()
+ AssignAsTeacher(CourseOffer co)
CourseOffer
- seatlist: ArrayList<Seat>
- course: Course
- courseRatingByEmployer: ArrayList<EmployerCourseRating>
- courseRatingByStudent: ArrayList<StudentCourseRating>
- facultyAssignment: FacultyAssignment
+ assignAsTeacher(FacultyProfile fp)
+ getFacultyProfile()
+ getCourseNumber()
+ generateSeats(int n)
+ getEmptySeat(CourseLoad cl)
+ getCourseRatingByEmployer(Employer empl)
+ getCourseRatingByStudent(Student stu)
+ assignEmptySeat()
+ getSubjectCourse()
+ getCreditHours()
Seat
- occupied: boolean
- number: int
- seatassignment: SeatAssignment
+ courseoffer: CourseOffer
+ newSeatAssignment(CourseLoad cl)
+ getCourseOffer()
+ getCourseCredits()
StudentCourseRating
- Student: Student
- CourseOffer: CourseOffer
+ CourseRating: int
+ setCourseRating()
+ getCourseRating()
EmployerCourseRating
- Employer: Employer
- CourseOffer: CourseOffer
+ CourseRating: int
+ setCourseRating()
+ getCourseRating()
FacultyAssignment
- courseoffer: CourseOffer
- facultyprofile: FacultyProfile
+ getFacultyProfile()