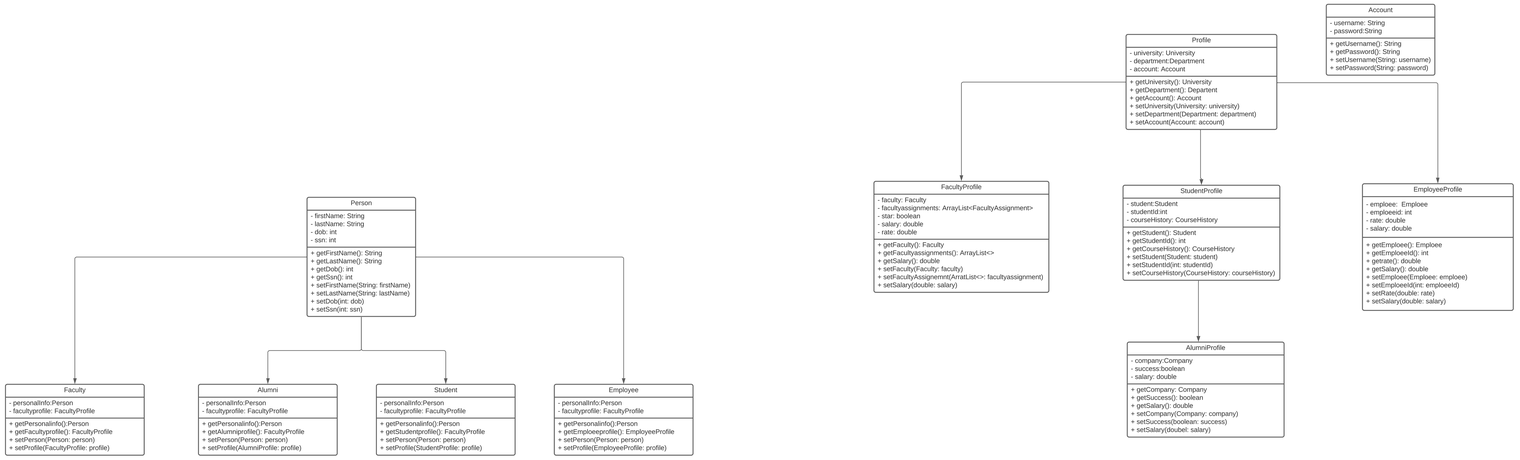
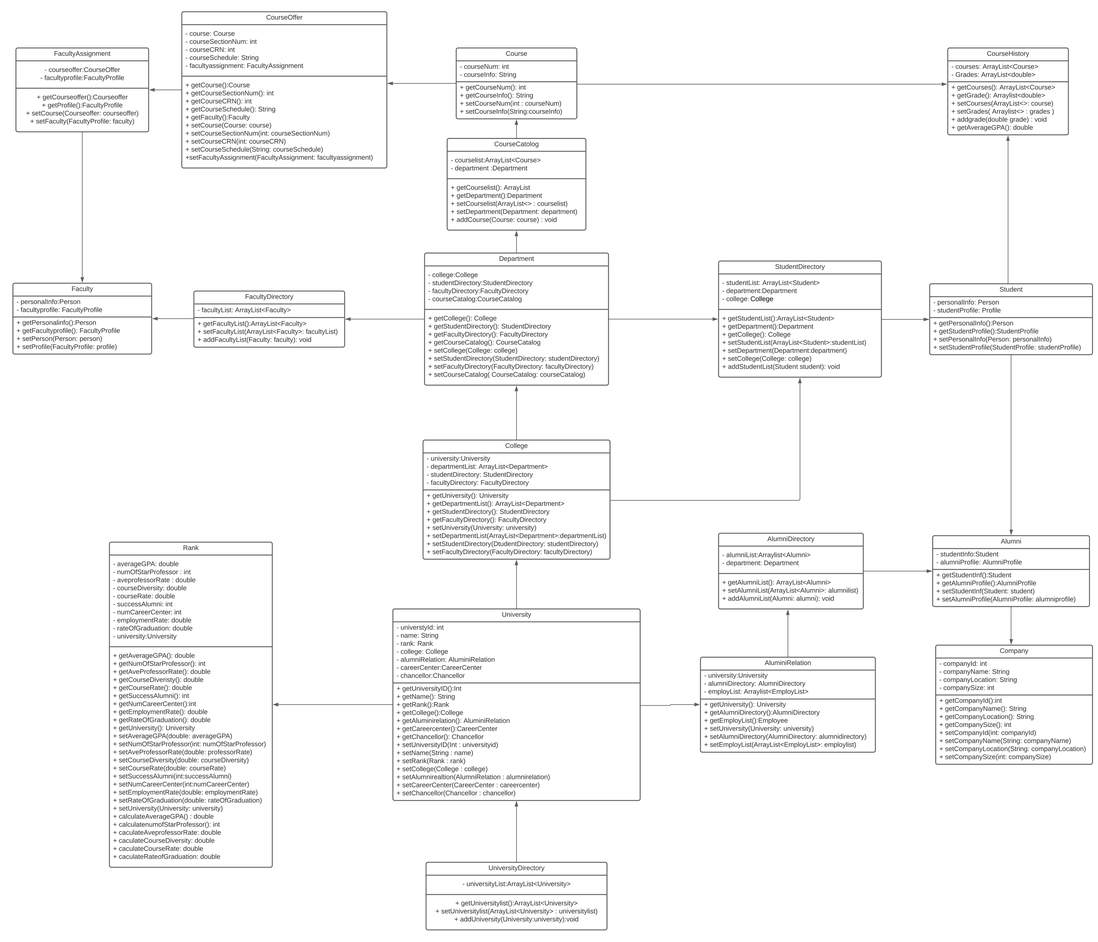

Account
- username: String
- password:String
+ getUsername(): String
+ getPassword(): String
+ setUsrname(String: username)
+ setPassword(String: password)
Profile
- university: University
- department:Department
- account: Account
+ getUniversity(): University
+ getDepartment(): Departent
+ getAccount(): Account
+ setUniversity(University: university)
+ setDepartment(Department: department)
+ setAccount(Account: account)
FacultyProfile
- faculty: Faculty
- facultyassignments: ArrayList<FacultyAssignment>
- star: boolean
- salary: double
- rate: double
+ getFaculty(): Faculty
+ getFacultyassignments(): ArrayList<>
+ getSalary(): double
+ setFaculty(Faculty: faculty)
+ setFacultyAssignemnt(ArratList<>: facultyassignment)
+ setSalary(double: salary)
StudentProfile
- student:Student
- studentId:int
- courseHistory: CourseHistory
+ getStudent(): Student
+ getStudentId(): int
+ getCourseHistory(): CourseHistory
+ setStudent(Student: student)
+ setStudentId(int: studentid)
+ setCourseHistory(CourserHistory: courseHistory)
EmployeeProfile
- emploee: Emploee
- emploeeid: int
- rate: double
- salary: double
+ getEmploee(): Emploee
+ getEmploeeId(): int
+ getrate(): double
+ getSalary(): double
+ setEmploee(Emploee: emploee)
+ setEmploeeId(int: emploeeId)
+ setRate(double: rate)
+ setSalary(double: salary)
AlumniProfile
- company:Company
- success:boolean
- salary: double
+ getCompany: Company
+ getSuccess(): boolean
+ getSalary(): double
+ setCompany(Company: company)
+ setSuccess(boolean: success)
+ setSalary(doubel: salary)
Person
- firstName: String
- lastName: String
- dob: int
- ssn: int
+ getFirstName(): String
+ getLastName(): String
+ getDob(): int
+ getSsn(): int
+ setFirstName(String: firstName)
+ setLastName(String: lastName)
+ setDob(int: dob)
+ setSsn(int: ssn)
Faculty
- personalInfo:Person
- facultyprofile: FacultyProfile
+ getPersonalInfo():Person
+ getFacultyprofile(): FacultyProfile
+ setPerson(Person: person)
+ setProfile(FacultyProfile: profile)
Alumni
- personalInfo:Person
- facultyprofile: FacultyProfile
+ getPersonalInfo():Person
+ getAlumniprofile(): FacultyProfile
+ setPerson(Person: person)
+ setProfile(AlumniProfile: profile)
Student
- personalInfo:Person
- facultyprofile: FacultyProfile
+ getPersonalInfo():Person
+ getStudentprofile(): FacultyProfile
+ setPerson(Person: person)
+ setProfile(StudentProfile: profile)
Employee
- personalInfo:Person
- facultyprofile: FacultyProfile
+ getPersonalInfo():Person
+ getEmploeeprofile(): EmployeeProfile
+ setPerson(Person: person)
+ setProfile(EmployeeProfile: profile)


CourseOffer
- course: Course
- courseSectionNum: int
- courseCRN: int
- courseSchedule: String
- facultyassignment: FacultyAssignment
+ getCourse():Course
+ getCourseSectionNum(): int
+ getCourseCRN(): int
+ getCourseSchedule(): String
+ getFaculty():Faculty
+ setCourse(Course: course)
+ setCourseSectionNum(int: courseSectionNum)
+ setCourseCRN(int: courseCRN)
+ setCourseSchedule(String: courseSchedule)
+setFacultyAssignment(FacultyAssignment: facultyassignment)
FacultyAssignment
- courseoffer:CourseOffer
- facultyprofile:FacultyProfile
+ getCourseoffer():Courseoffer
+ getProfile():FacultyProfile
+ setCourse(Courseoffer: courseoffer)
+ setFaculty(FacultyProfile: faculty)
Course
- courseNum: int
- courseInfo: String
+ getCourseNum(): int
+ getCourseInfo(): String
+ setCourseNum(int : courseNum)
+ setCourseInfo(String courseInfo)
CourseHistory
- courses: ArrayList<Course>
- Grades: ArrayList<double>
+ getCourses(): ArrayList<Course>
+ getGrade(): Arraylist<double>
+ setCourses(ArrayList<> course)
+ setGrades(Arraylist<> : grades)
+ addgrade(double grade) : void
+ getAverageGPA(): double
CourseCatolog
- courselist:ArrayList<Course>
- department :Department
+ getCourselist(): ArrayList
+ getDepartment():Department
+ setCourselist(ArrayList<> : courselist)
+ setDepartment(Department: department)
+ addCourse(Course: course) : void
Faculty
- personalInfo:Person
- facultyprofile: FacultyProfile
+ getPersonalInfo():Person
+ getFacultyprofile(): FacultyProfile
+ setPerson(Person: person)
+ setProfile(FacultyProfile: profile)
FacultyDirectory
- facultyList: ArrayList<Faculty>
+ getFacultyList():ArrayList<Faculty>
+ setFacultyList(ArrayList<Faculty>: facultyList)
+ addFacultyList(Faculty: faculty): void
Department
- college:College
- studentDirectory:StudentDirectory
- facultyDirectory:FacultyDirectory
- courseCatalog:CourseCatalog
+ getCollege(): College
+ getStudentDirectory(): StudentDirectory
+ getFacultyDirectory(): FacultyDirectory
+ getCourseCatalog(): CourseCatalog
+ setCollege(College: college)
+ setStudentDirectory(StudentDirectory: studentDirectory)
+ setFacultyDirectory(FacultyDirectory: facultyDirectory)
+ setCourseCatalog(CourseCatalog: courseCatalog)
StudentDirectory
- studentList: ArrayList<Student>
- department:Department
- college: College
+ getStudentList():ArrayList<Student>
+ getDepartment():Department
+ getCollege(): College
+ setStudentList(ArrayList<Student>:studentList)
+ setDepartment(Department:department)
+ setCollege(College: college)
+ addStudentList(Student student): void
Student
- personalInfo: Person
- studentProfile: Profile
+ getPersonalInfo():Person
+ getStudentProfile():StudentProfile
+ setPersonalInfo(Person: personalInfo)
+ setStudentProfile(StudentProfile: studentProfile)
College
- university:University
- departmentList: ArrayList<Department>
- studentDirectory: StudentDirectory
- facultyDirectory: FacultyDirectory
+ getUniversity(): University
+ getDepartmentList(): ArrayList<Department>
+ getStudentDirectory(): StudentDirectory
+ getFacultyDirectory(): FacultyDirectory
+ setUniversity(University: university)
+ setDepartmentList(ArrayList<Department>:departmentList)
+ setStudentDirectory(StudentDirectory: studentDirectory)
+ setFacultyDirectory(FacultyDirectory: facultyDirectory)
AlumniDirectory
- alumniList:Arraylist<Alumni>
- department: Department
+ getAlumniList(): ArrayList<Alumni>
+ setAlumniList(ArrayList<Alumni>: alumnilist)
+ addAlumniList(Alumni: alumni): void
Alumni
- studentInfo:Student
- alumniProfile: AlumniProfile
+ getStudentInf(): Student
+ getAlumniProfile():AlumniProfile
+ setStudentInf(Student: student)
+ setAlumniProfile(AlumniProfile: alumniprofile)
Rank
- averageGPA: double
- numOfStarProfessor : int
- aveprofessorRate : double
- courseDiversity: double
- courseRate: double
- successAlumni: int
- numCareerCenter: int
- employmentRate: double
- rateOfGraduation: double
- university:University
+ getAverageGPA(): double
+ getNumOfStarProfessor(): int
+ getAveProfessorRate(): double
+ getCourseDiversity(): double
+ getCourseRate(): double
+ getSuccessAlumni(): int
+ getNumCareerCenter():int
+ getEmploymentRate(): double
+ getRateOfGraduation(): double
+ getUniversity(): University
+ setAverageGPA(double: averageGPA)
+ setNumOfStarProfessor(int: numOfStarProfessor)
+ setAveProfessorRate(double: professorRate)
+ setCourseDiversity(double: courseDiversity)
+ setCourseRate(double: courseRate)
+ setSuccessAlumni(int:successAlumni)
+ setNumCareerCenter(int:numCareerCenter)
+ setEmploymentRate(double: employmentRate)
+ setRateOfGraduation(double: rateOfGraduation)
+ setUniversity(University: university)
+ calculateAverageGPA() : double
+ calculatenumofStarProfessor(): int
+ caculateAveprofessorRate: double
+ caculateCourseDiversity: double
+ caculateCourseRate: double
+ caculateRateofGraduation: double
University
- universityId: int
- name: String
- rank: Rank
- college: College
- alumniRelation: AluminiRelation
- careerCenter:CareerCenter
- chancellor:Chancellor
+ getUniversityID():Int
+ getName(): String
+ getRank():Rank
+ getCollege():College
+ getAluminirelation(): AluminiRelation
+ getCareercenter():CareerCenter
+ getChancellor(): Chancellor
+ setUniversityID(Int : universityId)
+ setName(String : name)
+ setRank(Rank : rank)
+ setCollege(College : college)
+ setAlumnirealtion(AlumniRelation : alumnirelation)
+ setCareerCenter(CareerCenter : carercenter)
+ setChancellor(Chancellor : chancellor)
AluminiRelation
- university:University
- alumniDirectory: AlumniDirectory
- employList: Arraylist<EmployList>
+ getUniversity(): University
+ getAlumniDirectory():AlumniDirectory
+ getEmployList():Employee
+ setUniversity(University: university)
+ setAlumniDirectory(AlumniDirectory: alumnidirectory)
+ setEmployList(ArrayList<EmployList>: employlist)
Company
- companyId: int
- companyName: String
- companyLocation: String
- companySize: int
+ getCompanyId():int
+ getCompanyName(): String
+ getCompanyLocation(): String
+ getCompanySize(): int
+ setCompanyId(int: companyId)
+ setCompanyName(String: companyName)
+ setCompanyLocation(String: companyLocation)
+ setCompanySize(int: companySize)
UniversityDirectory
- universityList:ArrayList<University>
+ getUniversitylist():ArrayList<University>
+ setUniversitylist(ArrayList<University> : universitylist)
+ addUniversity(University:university):void