Person name: String socialSecurityNum: String age : int gender: String phoneNum: String + Person() + Person(name : String, socialSecurityNum : String, age : int, gender : String, phoneNum: String) + Person(other : Person) + setAll(name : String, socialSecurityNum : String, age : int, gender : String, phoneNum: String) : void + setName(name : String) : void + setSocialSecurityNum(socialSecurityNum : String) : void + setAge(age : int) : void + setGender(gender : String) : void + setPhoneNum(phoneNum : String) : void + getName() : String + getSocialSecurityNum(): String + getAge(): int + getGender() : String + getPhoneNum() : String + equals(obj : Object) : boolean + toString() : String Extends Extends Student **Employee** gpa: double department : String major: String jobTitle: String gradYear : int hireYear: int + Student() + Employee() + Student(gpa : double, major : String, gradYear : int) + Employee(department : String, jobTitle : String, hireYear : int) + Student(other : Student) + Employee(other : Employee) + setAll(gpa : double, major : String, gradYear : int) : void + setAll(department : String, jobTitle : String, hireYear : int) : void + setGpa(gpa : double) : void + setDepartment(department : String) : void + setMajor(major : String) : void + setJobTitle(jobTitle: String): void + setGradYear(gradYear : int) : void + setHireYear(hireYear : int) : void + getGpa(): double + getDepartment(): String + getMajor(): String + getJobTitle() : String + getGradYear(): int + getHireYear(): int + equals(obj : Object) : boolean + equals(obj : Object) : boolean + toString(): String toString(): String Extends Extends SalariedEmployees HourlyEmployees annualSalary: double + salariedEmployees() + salariedEmployees(annualSalary : double) + salariedEmployees(other : SalariedEmployees) setAnnualSalary(annualSalary : double) : void + HourlyEmployees(hourlyRate : double, hoursWorked : int, unionDues : double) getAnnualSalary(): double + HourlyEmployees(other : HourlyEmployees) equals(obj : Object) : boolean + setAll(hourlyRate : double, hoursWorked : int, unionDues : double) : void toString(): String + setHourlyRate(hourlyRate : double) : void + setHoursWorked(hoursWorked:int):void + setUnionDues(unionDues : double) : void

hourlyRate: double hoursWorked : int unionDues : double

+ HourlyEmployees()

+ getHourlyRate() : double getHoursWorked(): int + getUnionDues() : double + equals(obj : Object) : boolean

toString(): String

Applications

applicants: ArrayList<Person> applicationStatus: boolean

+ Applications()

+ Applications(listOfApplicants : ArrayList<Person>)

+ Applications(singlePerson : Person)

+ Applications(otherApplications : Applications)

+ clearList() : void

+ addApplication(applicant : Person) : void

+ removeApplication(applicant : Person) : void

+ setApplicationStatus(applicant : Person, boolean status) : void

+ displayApplicantInfo(applicant : Person) : void + getApplicantStatus(applicant : Person) : boolean+

+ getApplicationList() : ArrayList<Person>

+ equals(obj : Object) : boolean

+ toString(): String