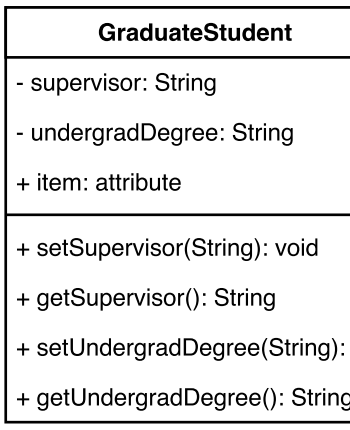
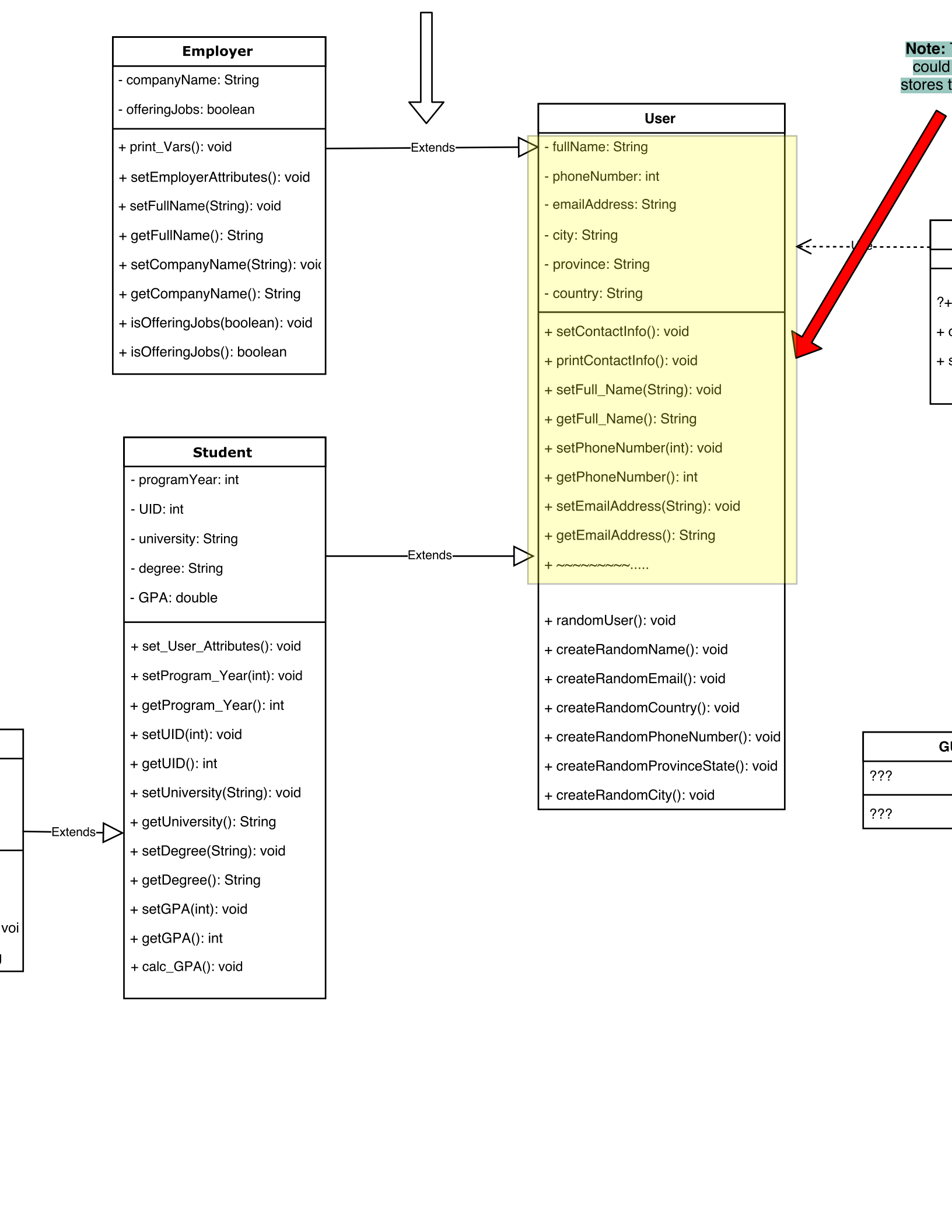
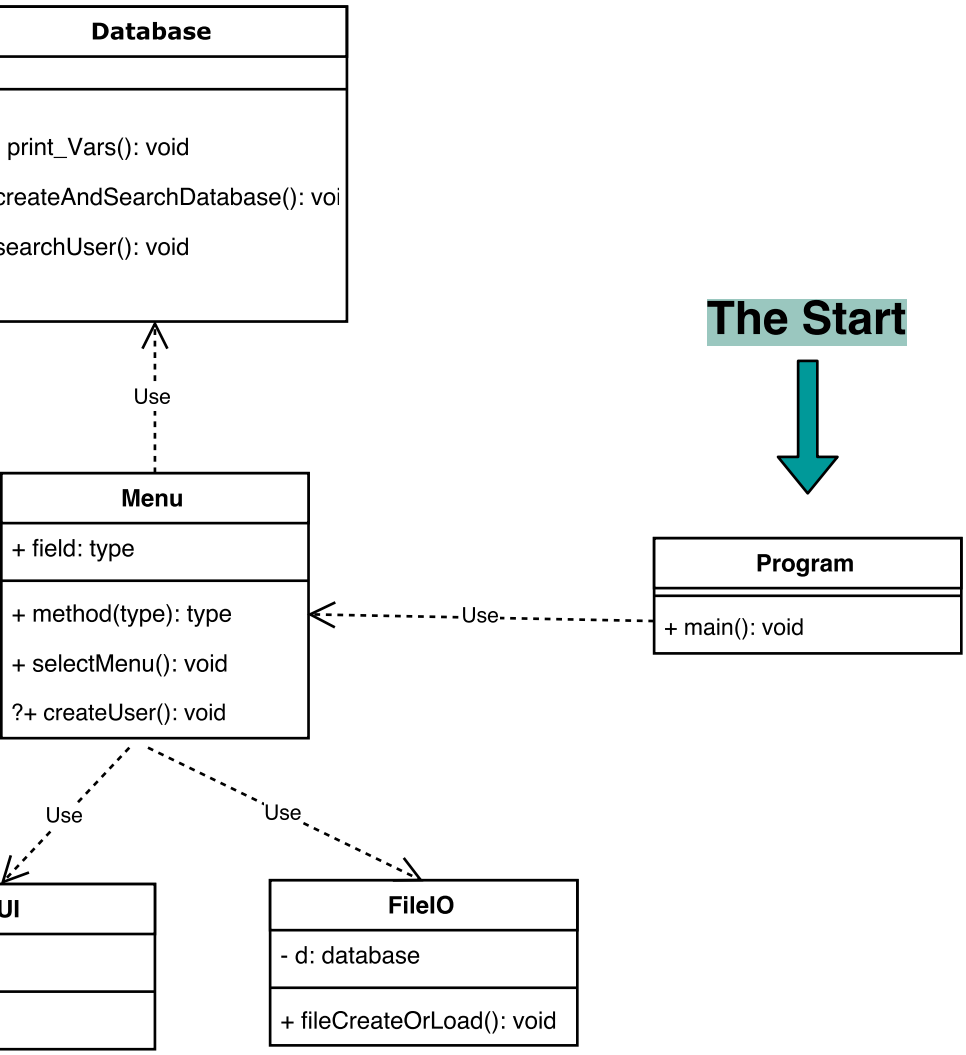
i.e inheritance


GraduateStudent
- supervisor: String
- undergradDegree: String
+ item: attribute
+ setSupervisor(String): void
+ getSupervisor(): String
+ setUndergradDegree(String):
+ getUndergradDegree(): String


Employer
- companyName: String
- offeringJobs: boolean
+ print_Vars(): void
+ setEmployerAttributes(): void
+ setFullName(String): void
+ getFullName(): String
+ setCompanyName(String): voi
+ getCompanyName(): String
+ isOfferingJobs(boolean): void
+ isOfferingJobs(): boolean
Extends
User
- fullName: String
- phoneNumber: int
- emailAddress: String
- city: String
- province: String
- country: String
+ setContactInfo(): void
+ printContactInfo(): void
+ setFull_Name(String): void
+ getFull_Name(): String
+ setPhoneNumber(int): void
+ getPhoneNumber(): int
+ setEmailAddress(String): void
+ getEmailAddress(): String
+ ~~~~~~~~~~.....
+ randomUser(): void
+ createRandomName(): void
+ createRandomEmail(): void
+ createRandomCountry(): void
+ createRandomPhoneNumber(): void
+ createRandomProvinceState(): void
+ createRandomCity(): void
Note:
could
stores t
Student
- programYear: int
- UID: int
- university: String
- degree: String
- GPA: double
+ set_User_Attributes(): void
+ setProgram_Year(int): void
+ getProgram_Year(): int
+ setUID(int): void
+ getUID(): int
+ setUniversity(String): void
+ getUniversity(): String
+ setDegree(String): void
+ getDegree(): String
+ setGPA(int): void
+ getGPA(): int
+ calc_GPA(): void
Extends
Extends
???
???

There seems to be to many vars, setters and getters to be practical. we instead create a hashmap within the user class/object that then he data like name and phone number? With that we would only need one var, setter and getter maybe?