User

− ID : string
− PWD : string

+ User()
+ User(ID : string, PWD : string)
+ getID()
+ getPWD()
+ *show_details()*

Advisor

Student

FileIO

Advisor
− room : string
− phone : string
− advisees : vector<Student*>
− all_students : vector<Student*>
− all_advisors : vector<Advisor*>
+ Advisor()
+ Advisor(ID : string, PWD : string, room : string, phone : string)
+ get_room() : string
+ get_phone() : string
+ get_advisees() : vector<Student*>
+ get_all_stidents() : vector<Student*>
+ get_all_advisors() : vector<Advisor*>
+ add_advisses(advisee : Student*) : void
+ add_all_stidents(student : Student*) : void
+ add_all_advisors(advisor : Advisor*) : void
+ show_details() : void
+ show_datails(advisee : Student*) : void
+ get_current_time() : string
+ create_note(advisorID : string, studentID : string, note : string) : string
+ display_advisor_menu() : void
+ cout_all_advisees() : void
+ display_all_advisees() : void
+ search_for_advisees() : void
+ view_add_notes() : void
+ add_advisee_to_list() : void
+ delete_advisee_from_list() : void
+ move_collection() : void
+ view_other_advisor_advisee() : void
+ display_all_advisors() : void
+ major_amount_average_gpa() : void
+ process_menu() : void

Student
– major : string – totalHours : int – GPA : double – notes : vector\<string> – advisor : Advisor*
+ Student() + Student(ID : string, PWD : string, major : string, totalHours : int, GPA : double) + get_major() : string + get_totalHours() : int + get_GPA() : double + get_Notes() : vector\<string> + get_Advisor() : Advisor* + set_GPA(GPA : double) : void + set_major(major : string) : void + set_totalHours(totalHours : int) : void + add_notes(notes : string) : void + set_advisor(advisor : Advisor*) : void + show_details() : void + polymorphism_details(user : User&) : void + display_student_menu() : void + display_advisor_details() : void + view_student_details() : void + update_student_details() : void + process_menu() : void

FileIO
+ FileIO() + read_Data_students(&Students : vector<Student>) : void + read_Data_advisingNotes(&Students : vector<Student>) : void + read_Data_advisors(&Advisors : vector<Advisor>) : void + read_Data_advisees(&Advisors : vector<Advisor>, &Students : vector<Student>) : void + addingDataToAdvisor(&Advisors : vector<Advisor>, &Students : vector<Student>) : void + <u>add_notes_to_advisingNotes(tempNote : string) : void</u> + write_Data_advisees(&Advisors : vector<Advisor>) : void + write_Data_students(&Students : vector<Student>) : void