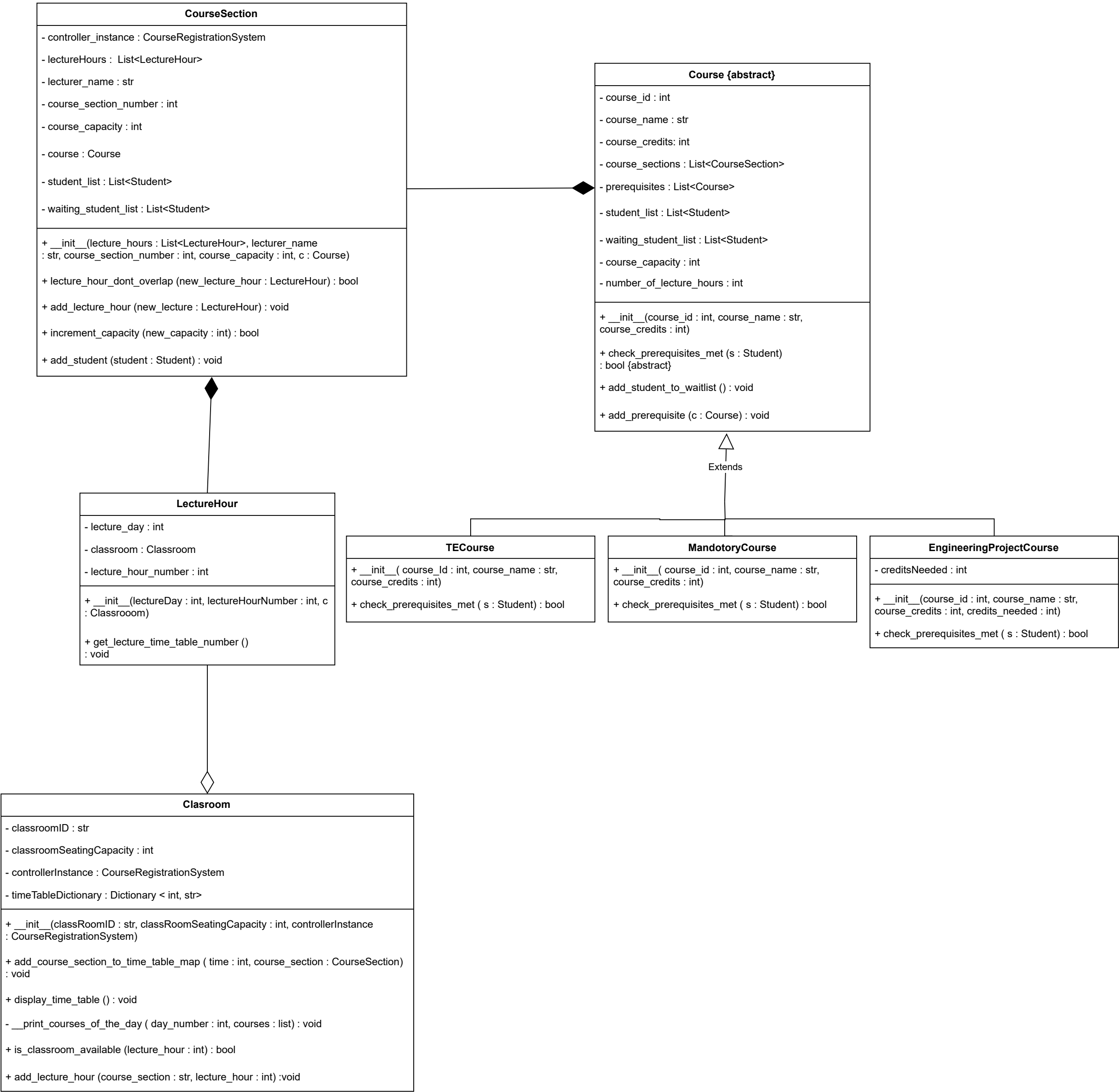
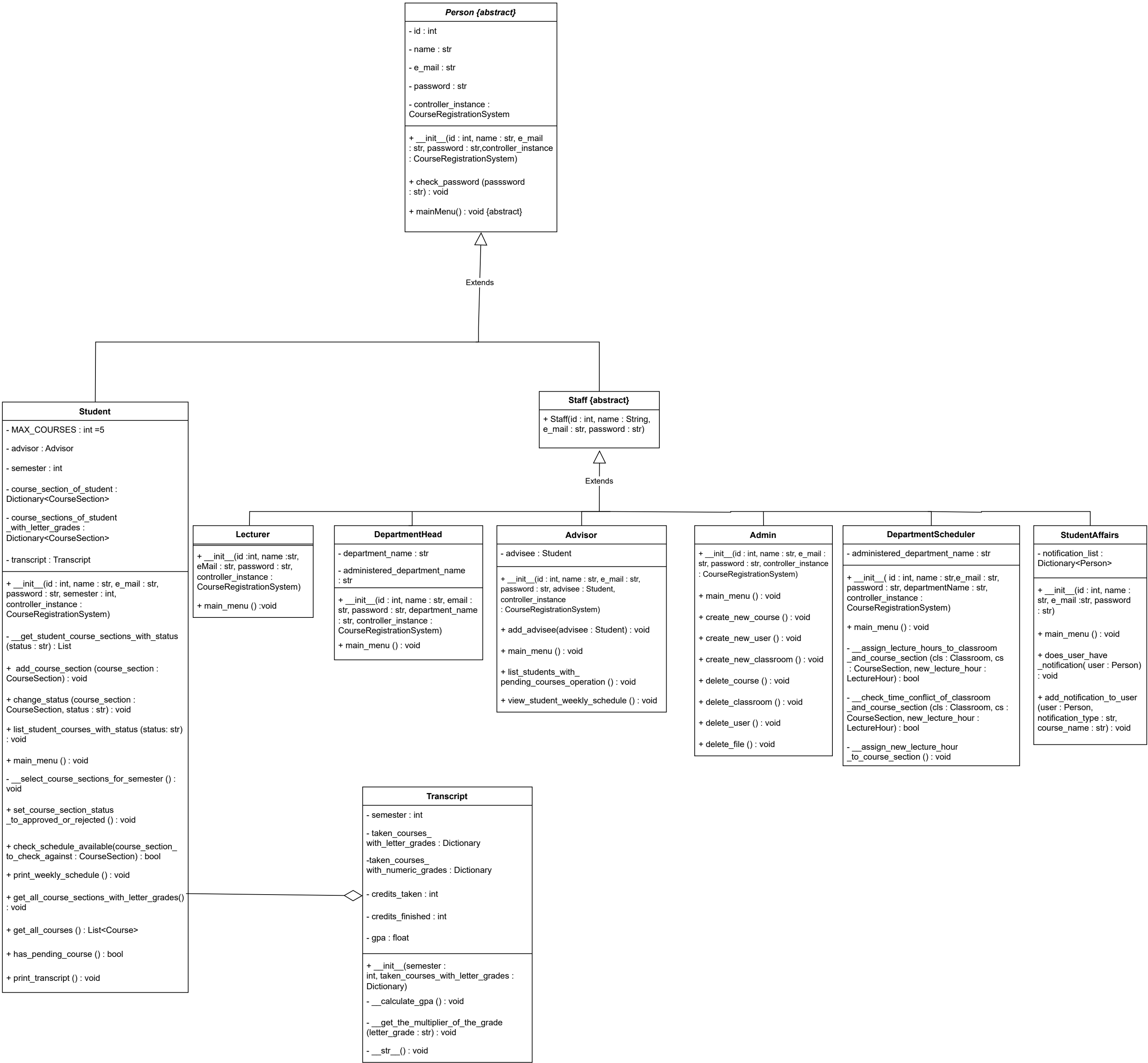


NOTE: FOR SIMPLIFICATION GETTER AND SETTER METHODS ARE OMITTED.





CourseRegistrationSystem
<div>- instance : CourseRegistrationSystem=null</div> <div>- input_scanner : Scanner</div> <div>- all_department_courses_list : List<Course></div> <div>- all_classrooms : List<Classroom></div>
<div>+ __init__()</div> <div>+ get_course_registration_system_instance():void</div> <div>+ main(): void</div> <div>+ select_and_increase_course_section_capacity() : void</div> <div>+ update_classroom_schedule(classroom : Classroom) : void</div> <div>+ update_all_classrooms_schedules(): void</div> <div>- __print_all_department_courses_with_status (student_course_section_map) : void</div> <div>- __print_all_department_courses(): void</div> <div>+ print_all_department_courses(*args : str) : void</div> <div>+ print_all_classroom_with_capacities(): void</div> <div>+ print_all_classes_lecture_hours(): void</div> <div>+ review_classroom_schedule(): void</div> <div>+ review_all_classroom_schedules(): void</div> <div>+ select_a_course_from_all_department_courses (all_student_courses : Course) : void</div> <div>+ select_course_to_assign_new_lecture_hour():void</div> <div>+ select_course_to_assign_new_lecture_hour(): void</div> <div>+ select_courses_section_from_course(course : Course) : void</div> <div>+ select_classroom_from_all_classrooms(): void</div> <div>+ select_lecture_hour_for_classroom(classroom : Classroom) : void</div> <div>+ menu_operation(*args: str) : void</div> <div>+ print_all_given_courses_with_their_capacities() : void</div>

FileOperationsClass
<div>- course_map : Dictionary<int,Course></div> <div>-advisor_map : Dictionary<int,Advisor></div> <div>-student_map : Dictionary<int,Student></div> <div>- admin : Admin</div> <div>- people : List<Person></div> <div>- classrooms : Dictionary<Classroom></div> <div>-controller_instance :CourseRegistrationSystem</div>
<div>+ __init__(controller_instance : CourseRegistrationSystem)</div> <div>+ login_check (user_id :int, password : str) : void</div> <div>+read_json(dirpath : str): void</div> <div>+ map_courses_and_advisor_to_student(student_ dir_path : str) : void</div> <div>+ read_department_scheduler (dirpath : str) : void</div> <div>+ read_department_head (dir_path : str) : void</div> <div>+ read_admin_json (admin_dir_path : str) : void</div> <div>+ map_prerequisite_to_course : course_dir_path : str) : void</div> <div>+ read_classroom_json (dir_path : str) : void</div> <div>+ read_course_json (dir_path : str) : void</div> <div>+ read_advisor_json (dir_path : str) : void</div> <div>+ read_student_json (dir_path : str) : void</div> <div>+ take_json_files (dir_path : str) : void</div> <div>+ update_json () : void</div> <div>+ update_student_json () : void</div> <div>+ update_advisor_json () : void</div> <div>+ update_admin_json () : void</div> <div>+ update_course_json () : void</div> <div>+ update_classroom_json () : void</div> <div>+ update_department_head_json () : void</div> <div>+ update_department_scheduler_json () : void</div> <div>+ update_person_json () : void</div> <div>+ save_file () : void</div>

