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| Course |
| - name : string  - grades : vector<double> |
| + Course(string name)  + Course(Course course)  + setName(string name) : void  + getName() : string  + addGrade(double grade) : void  + deleteGrade(double grade) : void  + getNumGrades() : int  + getGrades() : double[] |

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| FileInputOutput |
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| + studentIDExists(int studentID) : bool  + adminIDExists(int administratorID) : bool  + rightStudentPassword(int studentID, string password) : bool  + rightAdminPassword(int administratorID, string password) : bool  + getStudentFromFile(int username) : Student  + getStudentsFromFolder() : Student[]  + createNewStudentFile(Student student) : void  + replaceStudentFile(Student student) : void  + deleteStudentFile(Student student) : void |

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| Student |
| - studentID : int  - password : string  - name : string  - courses : vector<Course> |
| + Student(int studentID, string password, string name)  + Student(Student student)  + setStudentID(int studentID) : void  + setPassword(String password) : void  + setName(String name) : void  + getStudentID() : int  + getPassword() : string  + getName() : string  + courseIndex(String courseName) : int  + enrollCourse(String courseName) : void  + dropCourse(String courseName) : void  + getNumCourses() : int  + getCourses() : Course[]  + getCourseData() : string[][]  + addGrade(string courseName, double grade) : void  + deleteGrade(String courseName, double grade) : void  + mostGradesForCourses() : int  + calculateGPA() : double |

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| AdminAddRunner |
| - aaw : AdminAddWindow |
| + AdminAddRunner()  + clickedAdd(int studentID, String password, String name) : void  + clickedCancel() : void |

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| AdminEditRunner |
| - aew : AdminEditWindow  - student : Student |
| + AdminEditRunner(Student student)  + clickedSave(String name, String password, String courseData) : void  + clickedDelete() : void  + clickedCancel() : void |

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| AdminRunner |
| - aw : AdminWindow  - students : Student[] |
| + AdminRunner()  + clickedAdd() : void  + clickedDone() : void  + clickedStudent(int studentIndex) : void |

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| AdminStudentRunner |
| - asw : AdminStudentWindow  - student : Student |
| + AdminStudentRunner(Student student)  + clickedGPA() : void  + clickedEdit() : void  + clickedDone() : void |

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| LoginRunner |
| - lw : LoginWindow |
| + LoginRunner() + clickedLogin(String username, String password) : void  + clickedCancel() : void  + loginWrong() : void |

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| StudentRunner |
| - sw : StudentWindow  - student : Student |
| + StudentRunner(Student student)  + clickedDone() : void  + clickedGPA() : void |

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| AdminAddWindow |
| - aar : AdminAddRunner |
| + AdminAddWindow(AdminAddRunner aar)  + clickedAdd() : void  + clickedCancel() : void |

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| AdminEditWindow |
| - aer : AdminEditRunner  - student : Student |
| + AdminEditWindow(AdminEditRunner aer, Student student)  - setupCourseLabels() : void  + clickedSave() : void  + clickedDelete() : void  + clickedCancel() : void |

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| AdminStudentWindow |
| - asr : AdminStudentRunner  - student : Student |
| + AdminStudentWindow(AdminStudentRunner asr, Student student)  - setupCourseData() : void  + clickedGPA() : void  + clickedEdit() : void  + clickedDone() : void |

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| AdminWindow |
| - ar : AdminRunner  - students : Student[] |
| + AdminWindow(AdminRunner ar, Student[] students)  - setupStudentData() : void  + clickedAdd() : void  + clickedDone() : void  + clickedStudent() : void |

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| LoginWindow |
| - lr : LoginRunner |
| + LoginWindow(LoginRunner lr)  + clickedLogin() : void  + clickedCancel() : void |

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| StudentWindow |
| - sr : StudentRunner  - student : Student |
| + StudentWindow(StudentRunner sr, Student student)  - setupCourseData() : void  + clickedDone() : void  + clickedGPA() : void |