User (Abstract)

-userName: String
-password: String
-firstName: String
-lastName: String

+getuserName() String
+getpassword(): String
+getfirstName(): String
+getlastName(): String
+toString(): String

<<interface>>
StudentInterface

+studentViewAllCourses()
+viewAvaliableCourses()
+registerCourses()
+withdrawFromCourses()
+viewAllRegisteredCourses()

<<interface>>
AdminInterface

+createCourse()
+deleteCourse()
+editCourse()
+displayCourse()
+registerCourse()
+adminViewAllCourses()
+viewAllCourses()
+viewRegisteredStudents()
+viewAllStudentCourse()
+sortCourse()
+writeToFileFullCourses()

Student

+

+StudentViewAllCourses(): void
+viewAvaliableCourses(): void
+registerCourses(): void

Admin

+registrationManager: ArrayList(Student)
+courseList: Arraylist(Course)

+getregistrationManager(): ArrayList
+studentAuthenticator(Student): boolean

Course

+courseName: String
+courseID: String
+maxStudents: int
+currentStudents: int
+studentList: ArrayList
+instructorName: String
+courseSection: int
+courseLocation: String

+getCourseName(): String
+getCourseID: String
+getMaxStudents: int
+getCurrentStudents: int
+getStudentList: ArrayList
+getCourseSection: int
+getCourseLocation: String
+print()
+StudentPrint()