Admin Class

- List<Course> courseList
- List<Student> registeredStudents

+Admin()
+createCourse()
+deleteCourse()
+editCourse()
+displayCourseInfo()
+registerStudent()
+viewAllCourses()
+writeFullCoursesToFile()
+viewStudentsInCourse()
+viewCoursesOfStudent()
+sortCoursesByRegistration()
+exitProgram()
+authenticate()

Admin Interface

createCourse()
+deleteCourse()
+editCourse()
+displayCourseInfo()
+registerStudent()
+viewAllCourses()
+writeFullCoursesToFile()
+viewStudentsInCourse()
+viewCoursesOfStudent()
+sortCoursesByRegistration()
+exitProgram()
+authenticate()

Data Class

-courseList: List<Course>

+Data()
+readCsvFile()
+dataSerialization()

Course Class

- String courseId;
- String courseName;
- int maxStudents;
- int currentStudents;
- String instructor;
- int sectionNumber;
- String location;
- List<Student> students

+Course()
+getCourseId()
+setCourseId()
+getCourseName()
+setCourseName()
+getSectionNumber()
+setSectionNumber()
+getMaxStudents()
+setMaxStudents()
+getInstructor()
+setInstructor()
+getLocation()
+setLocation
+getStudents()
+addStudents()
+removeStudents()
+isFull()

User Class

-String username
-String password
-String firstName
-String lastName

+User()
+getUsername()
+getPassword()
+getFirstName()
+getLastName()

Student Interface

+viewAllCourses()
+viewAvailableCourses()
+registerForCourse()
+withdrawFromCourse()
+viewCourseDetails()
+viewRegisteredCourses()
+isAlreadyRegistered()
+getCourseByNameandSectoin()

Student Class

- List<Course> registeredCourses
- List<Course> courseList

+Student()
+viewAllCourses()
+viewAvailableCourses()
+registerForCourse()
+withdrawFromCourse()
+viewCourseDetails()
+viewRegisteredCourses()
+isAlreadyRegistered()
+getCourseByNameandSectoin()