UML Diagram of the CRS Tianhao Gu | September 29, 2021 Directory User username:String # Directory() - password:String + login():void - login:int + adminLogin(admin:Admin,username:String,password:String):boolean + studentLogin(ArrayList<studentsStudent>,username:String,password:String):Student CRS # User() + mainMenu():void # User(username:String, password:String) + adminMenu():void + viewCourses(courses:ArrayList<Course>):void + adminCM():void + getLogin():int + adminRP():void + setLogin(login:int):void + studentMenu():void + studentCM():void + serializeData(log:Data):void Admin Student Course - username:String username:String - name:String - password:String password:String id:String firstName:String max:int # Admin(username: String, password: String, login=0) lastName:String current:int + createCourse(new course: Course,courses:ArrayList<Course>):void registered:ArrayList<Course> - students:ArrayList<Student> + deleteCourse(course to del: Course,courses:ArrayList<Course>):void instructor:String + editCourse(course to edit: Course,property:String,value:String):void # Student() - section:String + registerStudent(students:ArrayList<Student>,username: String, password: # Student(username: String, password: String, location:String firstName: String, lastName:String, login=0) String, firstName: String, lastName: String):void + viewCourses(courses:ArrayList<Course>):void # Course() + viewCourses(courses:ArrayList<Course> ,id:String):void # Course(name:String,id:String,max:int,current:int,students:ArrayList<Stduent>,instructor:String,section:String,location:String) + viewCourses(courses:ArrayList<Course>):void + viewAvailabe(courses:ArrayList<Course>):void + isFull():boolean + register(course: Course):void + viewFullCourses(courses:ArrayList<Course>):void + addStudent(student:Student):void + withdraw(course: Course):void + writeFullCourses(courses:ArrayList<Course>):void + deleteStudent(student:Student):void + viewNames(courses:ArrayList<Course>,id:String,section:String) + viewRegistered():void + getNames():ArrayList<String> + viewRegistered(students:ArrayList<Student>,firstName: String, + comparedTo(c:Course):int lastName:String):void + sortCourses(courses:ArrayList<Course>):void <<interface>> Registrator Data <<interface>> - courses:ArrayList<Course> Comparable - students : ArrayList<Student> <<interface>> <<interface>>

Data(courses:ArrayList<Course>,students:ArrayList<Student>)

Administrator

Serializable