Coorse + searchCourse(s:String): c: Course + createCourse(): Boolean As the app Coorse is designed to afford up to 1000 students, and only one teacher account, the cardinality goes from 101(we asume, as the 101..1001 Marks client told us, that it starts with 100 Teacher User - average: Double - numExercises: int username: String - exerciseMark: Double[] + getCredentials(): String[] - password: String - exercises: List<Exercises> + setAppStatus(a:Application, b:Boolean): Boolean + setAppExpelled(a:Application, b:Boolean): Boolean + seeCourseStatistics(c:Course): List<Marks> 0..1000 TextAnswer We have omitted the setters and getters of the questions, although For every student, there is an object they must exist as the exercise Marks, where everything about the answer: String editor modifies the text of the student is stored questions, the answers... 0..\* Exercise Course mark: Double Student - visible: Boolean Application Unit name: String - randomOrder: Boolean SimpleChoice Question visible: Boolean - expirationDate: Date name: String status: Boolean name: String teacherName: String - startDate: Date id: int expelled: Boolean visible: Boolean 1..\* |- weightQ: Double numStudents: int - weightE: Double - posibleAnswers: String[] email: String 0..\* · isDone: Boolean correct: Boolean - numAnswers: int questionText: String - correctAnswer: int randomOrder: Boolean + showApplication(): s:Student, c:Course + isVisible(): Boolean + isVisible(): Boolean + getCredentials(): String[] + changeVisibility(): Boolean + setStatus(b:Boolean): Boolean + changeVisibility(): Boolean + isVisible(): Boolean + sendApplication(c:Course): a:Application + setExpelled(b:Boolean): Boolean + sendNotification(s:String): Boolean + changeVisibility(): Boolean + isCorrect(): Boolean + solveExercise(e:Exercise): Boolean + createNote(): Boolean + seeCorrectionExercise(e:Exercise): Boolean + isRandomOrder(): Boolean + getWeight(): Double + israndomOrder(): Boolean + createUnit(): Boolean + seeCourseMark(c:Course): m:Mark + changeOrder(): Boolean + changeOrder(): Boolean + createExercise(): Boolean + getNotification(s:String): Boolean + getMark(): Double + getWeight(): Double + getStartDate; Date + getExpirationDate: Date + setDone(): Boolean MultipleChoice + solveExercise(): Boolean + seeCorrection(): Boolean - posibleAnswers: String[] + modify(): Boolean - numAnswers: int Notes - numCorrectAnswers: int - CorrectAnswers: int[] text: String - randomOrder: Boolean visible: Boolean + israndomOrder(): Boolean + isVisible(): Boolean + changeOrder(): Boolean

+ changeVisibility(): Boolean

students) to 1001