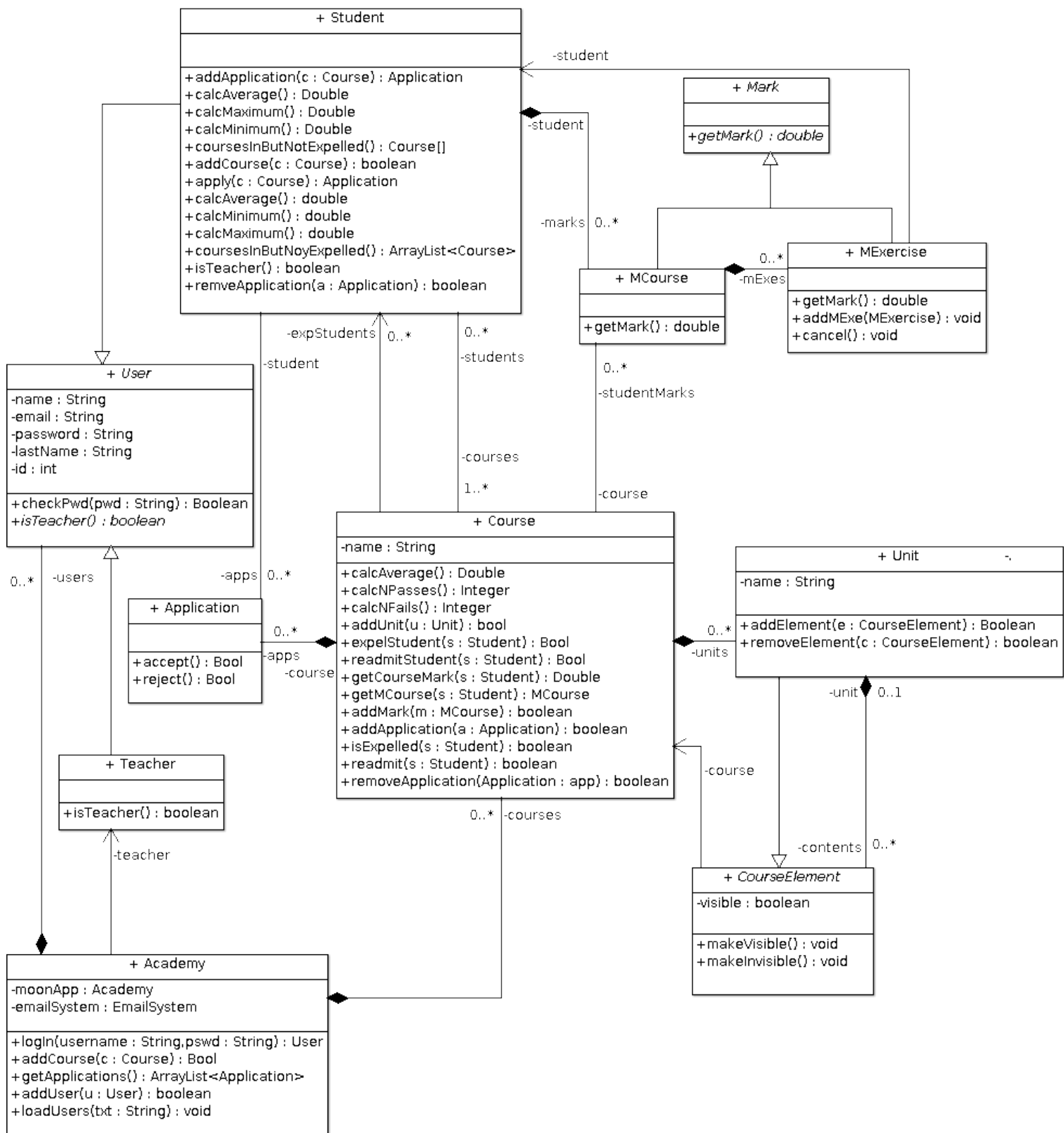


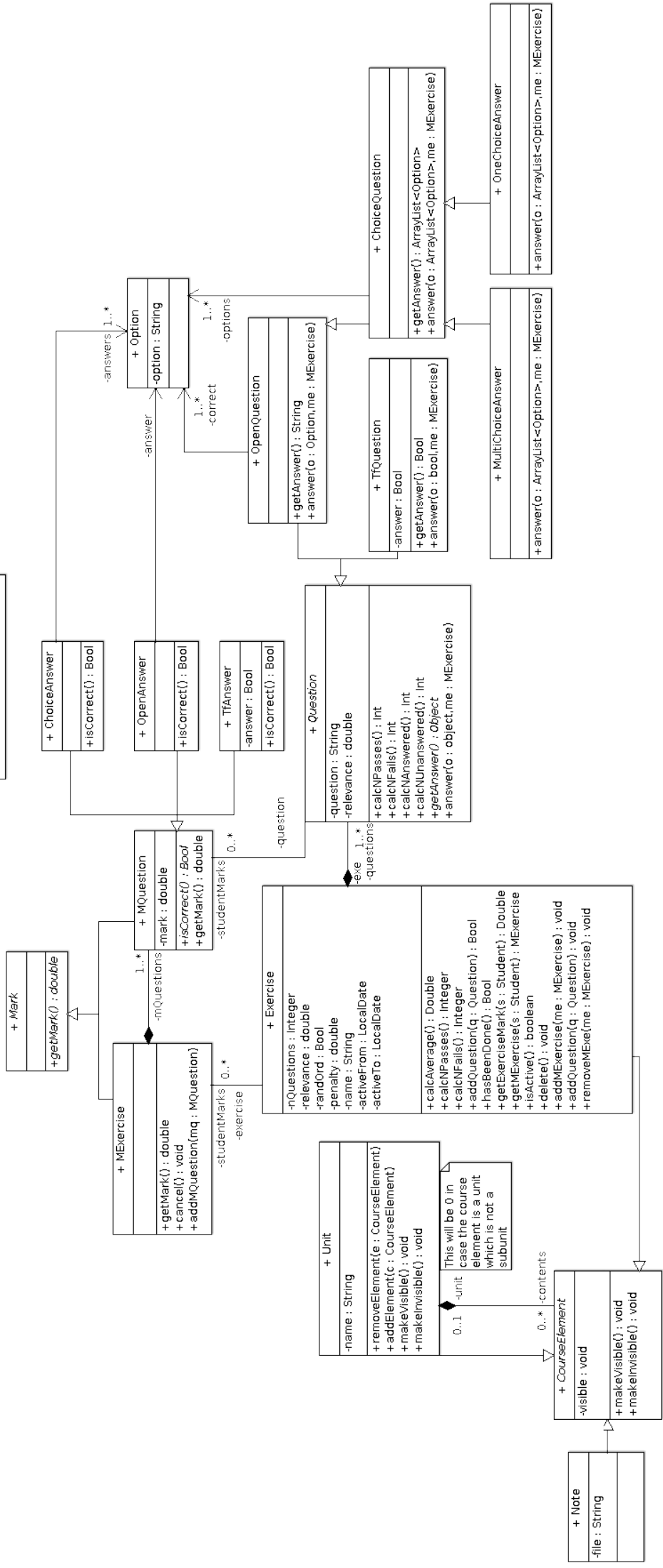
## **PADSOF Documentation**

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All our code is inside src, including the demonstrator and all the junits.  
The demonstrator is a class in moon package.  
Inside each package, there is a testing package called “package.tests”  
which contains the testing of that package.



The implementation will distinguish OneChoice MQuestion from MultiChoice MQuestion using the answer attribute length



## Traceability matrix associated with the teacher's requirements

We had too many methods to put them all in one matrix, so we divided it into 8 different tables.

Requirements\Methods	Stuent.calcAverage	Student.calcMaximum	Student.calcMinimum	Student.coursesInButNotExpelled	User.checkPwd
Log in					X
Accept Students					
Decline Students					
Create course					
Create unit					
Create subunit					
Create exercise					
Create question					
Create note					
Edit visibility of course					
Access student information	X	X	X	X	
Access courses list					
Access to subject statistics					
Access to exercise statistics					
Access to question statistics					
Expel a student from a course					
Readmit a student in a course					

Requirements\Methods	Academy.getCourses	Academy.login	Application.accept	Application.reject	new Course
Log in		X			
Accept Students			X		
Decline Students				X	
Create course					X
Requirements\Methods	course.calcAverage	Course.calcNPasses	Course.calcNFails	course.addUnit	course.expelStudent
Create unit					
Create subunit					
Create exercise					
Log in					
Create question					
Accept Students					
Create note					
Decline Students					
Edit visibility of course					
Create course					
Access student information					
Create unit				X	
Access courses list	X				
Create subunit					
Access to subject statistics					
Access to exercise statistics					
Access to question statistics					
Expel a student from a course					
Edit visibility of course					
Requirements\Methods	course.readmitStudent	Course.getCourseMark	Course.getMCourse	course.setVisibilityStart	course.setVisibilityEnd
Access student information					
Access courses list					
Log in	X	X	X		
Accept Students					
Access to exercise statistics					
Decline Students					
Access to question statistics					
Create course					X
Expel a student from a course					
Readmit a student in a course					
Create subunit					
Create exercise					
Create question					
Create note					
Edit visibility of course				X	X
Access student information		X	X		
Access courses list					
Access to subject statistics					
Access to exercise statistics					
Access to question statistics					
Expel a student from a course					
Readmit a student in a course	X				

Requirements\Methods	new Unit	Unit.addExercise	Unit.addSubunit	new Subunit	Subunit.addSubunit
Log in					
Accept Students					
Decline Students					
Create course					
Create unit	X				
Create subunit			X	X	X
Create exercise		X			
Create question					
Create note					
Edit visibility of course					
Access student information					
Access courses list					
Access to subject statistics					
Access to exercise statistics					
Access to question statistics					
Expel a student from a course					
Readmit a student in a course					

Requirements\Methods	Unit.addNote	new Note	new Exercise	Exercise.calcAverage	Exercise.calcNPasses
Log in					
Accept Students					
Decline Students					
Create course					
Create unit					
Create subunit					
Create exercise			X		
Create question					
Create note	X	X			
Edit visibility of course					
Access student information					
Access courses list					
Access to subject statistics					
Access to exercise statistics				X	X
Access to question statistics					
Expel a student from a course					
Readmit a student in a course					

Requirements\Methods	Exercise.calcNFAILS	Exercise.addQuestion	Exercise.getExerciseMark	Exercise.getMExercise	new Question
Log in					
Accept Students					
Decline Students					
Create course					
Create unit					
Create subunit					
Create exercise					
Create question		X			X
Create note					
Edit visibility of course					
Access student information			X	X	
Access courses list					
Access to subject statistics					
Access to exercise statistics	X				
Access to question statistics					
Expel a student from a course					
Readmit a student in a course					

Requirements\Methods	Question.calcNPasses	Question.calcNFAILs	Question.calcNAnswered	Unit.removeElement(e : Element)
Log in				
Accept Students				
Decline Students				
Create course				
Create unit				
Create subunit				
Create exercise				
Create question				
Create note				
Edit visibility of course				
Access student information				
Access courses list				
Access to subject statistics				
Access to exercise statistics				
Access to question statistics	X	X	X	
Expel a student from a course				
Readmit a student in a course				
Remove Exercises from units				X
Remove Notes from units				X

## **Traceability matrix associated with the student's requirements**

As it had 19 different methods, we divided the matrix in 5 with 4 methods each, so that it was understandable.

	User.checkPwd	Academy.login	Academy.getCourses	Student.addApplication
Usr/pswd log in	x	x		
Apply for a course				x
Access list of all courses		x	x	
Access his visible courses				
Access visible unit in a course				
Access visible subunits in a unit/subunit				
Access visible notes				
See visible exercises				
Solve visible&active exercises				
View exercise marks				
View course mark				
View correct vs. Student answers to questions				
View student statistics				

	Student.calcAverage	Student.calcMaximum	Student.calcMinimum	Course.getUnits()
Usr/pswd log in				
Apply for a course				
Access list of all courses				
Access his visible courses				
Access visible unit in a course				x
Access visible subunits in a unit/subunit				
Access visible notes				
See visible exercises				
Solve visible&active exercises				
View exercise marks				
View course mark				
View correct vs. Student answers to questions				
View student statistics	x	x	x	

	Mcourse.getMark	Unit.getNotes	Unit.getExercises	Unit.getSubunits
Usr/pswd log in				
Apply for a course				
Access list of all courses				
Access his visible courses				
Access visible unit in a course				
Access visible subunits in a unit/subunit				x
Access visible notes		x		
See visible exercises			x	
Solve visible&active exercises				
View exercise marks				
View course mark	x			
View correct vs. Student answers to questions				
View student statistics				

	Subunit.getSubunits()	Mexercise.getMark	New Mexercise	Question.answer
Usr/pswd log in				
Apply for a course				
Access list of all courses				
Access his visible courses				
Access visible unit in a course				
Access visible subunits in a unit/subunit	x			
Access visible notes				
See visible exercises				
Solve visible&active exercises			x	x
View exercise marks		x		
View course mark				
View correct vs. Student answers to questions				
View student statistics				

	Question.getAnswer	New Mquestion	Mquestion.getAnswer
Usr/pswd log in			
Apply for a course			
Access list of all courses			
Access his visible courses			
Access visible unit in a course			
Access visible subunits in a unit/subunit			
Access visible notes			
See visible exercises			
Solve visible&active exercises		x	
View exercise marks			
View course mark			
View correct vs. Student answers to questions	x		x
View student statistics			