

# Reflection on sprint 1

User Story	Task	Exercise	Assigned To	Estimated Effort	Actual spent hours	Status	Notes
<b>Sprint 1</b>							
	Put code in different packages		Tim	0.5	0.25	Done	
	Set up travis CI		Hugo	4	3	Done	Problem was the project not being on the root directory. When we figured this out, the problem was solved.
	Set up Cobertura		Tim	2	2.5	In Progress	Does not work properly with new versions of JUnit. "Data file does not contain instrumentation information for the file"
	Set up FindBugs		Jorien	1	0.5	Done	
	Set up PMD		Job	1	0.2	Done	
	Set up Checkstyle config		Timo	1	0.5	Done	
	Responsibility Driven Design	1.1/1.2	Everybody	3	2	Done	
	Class Diagram	1.4	Hugo	3	2	Done	Classes were made with the information gathered with answering the Responsibility Driven Design questions.
	Code changes (+tests)	1.3	Job, Tim, Timo	9	3	Done	Soundtests? Logger errors in tests. A combination class wasn't beneficial.

	Sequence Diagram	1.5	Jorien	4	2	Done	Sequence diagram was made for only the main files.
	Answering aggregation and composition question	2.1	Jorien	1.5	1	Done	The difference between aggregation and composition was the hardest part of this question. Eventually it worked out.
	Answering parametrized classes question	2.2	Jorien	2	2	Done	The precise definition about Parametrized classes was a little bit vague, however at the end we understood the definition.
	Draw class diagram	2.3	Hugo	2	2	Done	Classes were made using the UMLet tool, than the relations were drawn manually.
	Logging requirements	3.1	Everybody	2	1	Done	
	Design logging	3.2	Timo + Job	3	1	Done	We missed some UML parts that we didn't think of.
	Implement logging	3.2	Timo + Job	8	5	Done	We started with some implementation before the requirements were approved due to time issues.
	Test logging	3.2	Tim	4	1	Done	Still really basic.

# Main Problems Encountered

## Cobertura

Description:

**Cobertura still not working.**

Reaction: We'll try to set it up within travis.

## Tests

Description:

**Some tests are not passing.**

Reaction: Logging and sounds are not initiated in the tests and thus failing. We're not sure how to set up the code to fix this. We're gonna ask our TA for some advice about this. After talking to our TA we're going to implement a singleton pattern. This should also fix our testing problems.

## Adjustments for the next Sprint Plan

Not much to change. Since we have a big overestimation, next time we will appoint less time to code changes.