

Space Invaders : Sprint Reflection 1

Group 22

TI2206 Software Engineering Methods

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Sprint 1 reflection

User Story	Task	Assigned to	Estimated effort	Actual effort	Done
Exercise 1	1.1 - Derive classes, responsibilities, and collaborations	Bryan	2 hours	1.5 hours	Yes
	1.2 - Describe main classes already implemented	Bryan	30 minutes	30 minutes	Yes
	1.3 - Describe less important classes and make changes	Bryan	1 hour	30 minutes	Yes
	1.4 - Draw class diagram of main elements	Bryan	1 hour	1 hour	Yes
	1.5 - Draw sequence diagram to describe main element interactions	Jochem	1 hour	2 hours	Yes
Exercise 2	2.1 - Difference between aggregation and composition	Jochem	30 minutes	30 minutes	Yes
	2.2 - Parameterized classes	Jochem	30 minutes	15 minutes	Yes
	2.3 - Class diagrams for all hierarchies	Jochem	2 hours	1 hours	Yes
Exercise 3 User Story 1	3 - Creating requirements	All	30 minutes	30 minutes	Yes
	3 - Determine classes	Ege	30 minutes	30 minutes	Yes
	3 - Select classes to implement	Dorian	30 minutes	15 minutes	Yes
	3 - Identify class responsibilities	Ege	30 minutes	30 minutes	Yes
	3 - Determine hierarchy, UML	Ege	2 hours	1.5 hours	Yes
	3 - junit tests	Dorian	2 hours	3.5 hours	Yes
	3 - Implementation	Ege/Dorian	4 hours	5 hours	Yes

User Story	Task	Note
Exercise 3	3 - junit tests	Tests could be extended, some tests worked in mvn but not on Travis.

Main Problems Encountered

Problem 1

Description: During the execution of the tests regarding reading and writing to files, some failed on Travis. This led to last minute problems before handing in the final solution to Sprint 1.

Reaction: After investigation and input from other team members, the problem was related to the ..., it could be solved using a `BufferedWriter` and code changes to file creation.

Problem 2

Description: The Github repository was messed up and full of merge conflicts.

Reaction: Git revert was used, and some team members branched from master instead of the develop branch. We will no longer use Git revert and everyone will branch from develop instead of master to solve future problems.

Adjustments for the next Sprint Plan

- The amount of time per task can be distributed more accurate.