

Sprint Retrospective # 4

Context: Tools for Software Engineering
Group: Rubber Duck Debuggers

User Story	Task	Member Responsible for the Task	Task Assigned to	Estimated Effort per Task (per Assignee)	Actual Effort per Task	D O N E	Notes
As a user I would like to have an option menu in which I can put my preferences with respect to privacy and scope of logging of the extension	#43 <u>Implement Settings Options class (Finalize task)</u>	Mitchell	Mitchell	2	5.5	Almost	[1]
			Robin	0	9		
As a user I would like to have that the extension shows me when it is active So that I am aware that my pull request behavior is being recorded	#46 <u>Implement</u> that the icon shows whenever the extension is active (Finalize task)	Robin	Robin	2	6	Yes	[2]
	#44 <u>Implement</u> Status Observer pattern	Robin	Robin	1	4	Yes	[2]
			Maarten	1	1		
As a developer I want to collect sufficient and diverse data So that I can deduce reliable information and useful advice	#48 <u>Implement</u> Event-Element matrix filter	Mathias Youri	Mathias Youri	2	9.5	Partially	[3]
			Robin	1	0		
As a user I want that the system that I'm using has been fully researched well on how to develop it	### Research which semantic elements are needed	Youri	Youri	4	0	--	[4]
As a developer I want the system that I'm developing to have a good architecture	#45, #47 <u>Implement</u> an improved <i>ElementSelectionBehaviour</i> architecture	Mathias	Mathias	3	18	Yes	
			Maarten	1	2		
As a developer I want to be sure that (most of) my code has been covered by tests	#49 <u>Research</u> and initialize automated Coverage tools that will output the results to Travis and GitHub. The tools should run on the original TypeScript code, or source-map afterwards	Mitchell	Mitchell	2	7	Yes	[5]
As a developer I want to have a Logger So that I can reproduce errors when the extension breaks	#33 <u>Implement</u> a global <i>Logger</i> class	Maarten	Maarten	2	5	Yes	

The baseline for the relative estimated effort is "Implement Options class (Finalize task)", as this task only needs some more testing and a few minor changes. All other numbers represent multiples in relative amount of effort. The Actual Effort per Task is measured in hours.

In addition to this document, we've provided a 'Definition of Done' in the Product Planning document in order to be precise on when to consider a task as done. The types of the tasks have been underlined. We'd like to refer the reader to this document, if any of the provided tasks above is not entirely clear yet.

Member	Total expected effort per member	Total actual effort per member ¹
Maarten	4	12
Mathias	5	18
Mitchell	4	12.5
Robin	4	19
Youri	4	9.5 [6]

Notes:

[1]: Issue consists of three parts. All of them have been resolved, except for the testing of the Options class, as a mocked chrome storage is needed within the tests in TypeScript. This is a problem that multiple members discovered and will be solved in the next sprint, with a new issue.

[2]: Issue **#46** was partially moved to **#44** Implement Status Observer pattern. Issue **#44** depended a lot on issue **#43**, so Robin also spent a lot of time creating the dependency he needed (OptionsObserver) in the Options class.

[3]: Because the Options class was not finished on time, the filtering could not yet be done. This will be done in the next sprint. A small proof of concept has already been made however.

[4]: We made a mistake with the planning, this was a leftover from the week before.

[5]: Results:

- From now on there is an html coverage report generated.
- The tool Coveralls has been integrated in Slack as a bot and checks our repo.
- There is a badge in the readme file that indicates the status.

[6]: Youri spent more time on reading all code we made last week than actual coding. By now he is back on track.

Main Problems Encountered

Problem 1

External time-consuming events

There were some events this week that cost some time for some members. Maarten and Mitchell had to grade groups for the Software Testing and Quality Engineering course (Mitchell graded 14 groups and Maarten only 5, also because of a lack of time). Besides, most of our members were off during Pentecost. Also, Youri was very busy with organising the Area FiftyLan event. This affected our workflow mainly in the beginning of the week, as we had less spare time. Later this week we made some longer days and minimized the lack of time.

Adjustments for the next Sprint Plan

For the next sprint we will take care of the following:

- Now that we have a nice test coverage overview, and with the SIG deliverable deadline incoming, we can spend some more time on increasing coverage in important classes.

¹ Please note that these numbers do not indicate the total amount of hours spent on the course per week per member. The total amount of hours spent on the the course also includes meetings, peer reviews, brainstorms etc.

- In the upcoming week there will be a midterm exam for the ATB course, so in the upcoming sprint plan we will take this into account by not assigning too many issues..