Sprint Retrospective, Iteration 3, Version 1.0

Group: Out of Context

Context: TSE

Date: 13-05-2016

User Story	Task	Member responsible for the task	Task Assigned To	Estimated Effort Per task (in points)	Actual Effort Per task (in points)	Priority (A-E)	Done (Y/N)	Notes
As a developer I want the product to be reliable	Test user id tracking	Cas	Lars	3	12	C	Y	There were a lot of problems with getting TypeScript to work.
	Test user window size tracking	Thomas	Arthur	4	5	C	Y	
	Test mouse position logging	Thomas	Arthur	4	5	C	Y	
	Test keystroke logging	Laurens	Thomas	3	4	D	Y	
	Test database connection	Arthur	Cas	4	4	B	Y	There was a problem with some mocking features not being available, which has been solved by Arthur.
As a user I want my settings to be remembered even after I closed the browser.	Store addon user settings locally	Lars	Laurens	8	12	B	Y	Task required more research than expected.
	Make UI connection between settings and preferences	Laurens	Lars	6	0	A	Y	Eventually came down to the same task as the one above.
	Meeting with other teams about what EventTypes will be used in the Database	Aaron	Lars, Arthur, Cas	3	1	B	Y	Thomas was at a funeral so was not present and Laurens was just not present.
As a reseacher I want keystrokes of developers on Bitbucket to be logged.	Implement key stroke logging when on bitbucket tabs	Arthur	Thomas	6	6	C	Y	
As a user I want my privacy to be respected and guarenteed	Talk with the product owner about privacy concerns and what data to hash.	Aaron	Everyone	3	3	B	Y	
As a user I want the tracked data to be stored in a database	Do research on the new Database Scheme and Table relations	Cas	Cas	2	2	A	Y	
	Create interface for database requests	Arthur	Cas	1	2	B	Y	
	Store the mouse positions in the database	Lars	Cas	3	4	B	N	Is created but not accepted due to inconsistencies with the database.
As a developer I have to document the architectural design	Update sub-chapter 'Design goals'	Cas	Thomas	1	0	D	Y	Little changes required
	Update sub-chapter 'Software architecture views'	Arthur	Laurens	1	0	D	Y	no changes
	Update sub-chapter 'Subsystem decomposition'	Lars	Arthur	1	0	D	Y	
	Update sub-chapter 'Hardware/Software mapping'	Cas	Lars	1	1	D	Y	
	Update sub-chapter 'Persistent data management'	Arthur	Laurens	1	0	D	Y	no changes
	Update sub-chapter 'Concurrency'	Laurens	Thomas	1	1	D	Y	
	Check document spelling	Cas	Lars	1	0	D	Y	
Project Skills	Pass two assessments and final test	Arthur	Arthur	2	1	E	N	
	Pass two assessments and final test	Cas	Cas	2	2	E	Y	
	Pass two assessments and final test	Lars	Lars	2	2	E	Y	
	Pass two assessments and final test	Laurens	Laurens	2	2	E	Y	
	Pass two assessments and final test	Thomas	Thomas	2	2	E	Y	

Main Problems Encountered

Problem 1

We put a task in our sprintplan to store mouse positions in the database. We were convinced that after the last meeting, in which all 3 groups together with Aaron (The database manager) discussed the database, we could use the database during this sprint. Unfortunately, the database was not finished yet.
To solve this we arranged an extra meeting to discuss the database again, which caused some extra time. After this, Aaron had other business to solve, which meant he couldn't finish the database, so completing this task became impossible.
The impact on the rest of the sprint is minimal, as the code has already been written.

Problem 2

While testing we encountered quite a difficult problem. When TypeScript is compiled, it compiles to JavaScript which is meant to be run in NodeJS. When a script is imported, like an interface or file with constants, the compiled version uses the function `require`, which only exists in NodeJS. Our code is meant to be run inside Chrome, where the function does not exist. This complicates having a more complex program structure. We haven't really figured out how to fix this, so next week we are going to spend sometime to do this.

Problem 3

During the sprint it became clear that Xml-Http-Requests could not standardly be mocked by the tools we were using.
This was solved after a lot of research by Arthur & Cas after which Arthur found out that building your own function could function as a mock as well. To solve this problem some extra workload was needed.

Adjustments for next sprint

We're looking to improve communication between the teams and Aaron about the database. We've had a meeting about it this week, and we will continue to monitor this as it is an important part of our project.

Last week we said we wanted to test more. We did incorporate that into this sprint and have succesfully improved our coverage.

Workload distribution table

This table does not include time spent in lectures, planning the next sprint, reviewing the previous sprint, reviewing pull requests or any other kind of meetings.

Names	Estimated Total Effort	Actual Total Effort
Cas	24	24
Lars	23	23
Thomas	19	19
Laurens	19	21
Arthur	23	21