Sprint Retrospective, Iteration #5

Group: Out of Context

Context: TSE

Date: 27-05-2016

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)	Task Completed By	Notes	Pull Request Number
As a user, I want to connect all stored data with an identifiable name	Create user in database	Cas	Lars	6	0	A	N	-	Aaron made the database in such a way that it creates the user itself,	
	Test sending of username to API	Cas	Lars	2	0	B	N	-	This was not needed anymore as the task above fell out.	
As a user I want the event positions to be logged (semantic data) (If possible)	Do research on event positions	Cas	Arthur, Lars	3	4	A	Y	Arthur, Cas, Lars	Cas also started doing research on the event positions to be ready for when it is possible to start creating it.	
	Create a logger for event positions	Cas	Arthur, Lars	7	0	B	N	-	There was not enough time left to implement this, but Arthur as made a setup that can used in the next sprints.	
	Test the logger for the event positions	Thomas	Lars	6	0	C	N	-	The task about fell out, so this was not applicable anymore.	
As a user I want sessions/pull requests to be stored in the database	Do research into sessions	Laurens	Arthur, Cas	2	3	A	Y	Arthur, Cas, Lars		#75
	Create a session for a pull request	Cas	Arthur, Cas	3	1	B	Y	Arthur, Lars	Arthur & Lars took over this part as some tasks of Lars fell out. Arthur spent 4 points on this task.	
	Test the session creation	Thomas	Cas	2	2	C	Y	Arthur, Lars	Arthur took over this part.	
	Test the storage of the session	Thomas	Cas	2	0	C	Y	Arthur, Lars	Arthur took over this part.	
As a user I want the keystrokes to be stored in the database	Store logged keystrokes in the database	Thomas	Laurens	2	0	A	Y	Laurens		#50
As a user I want the mouse clicks to be stored in the database	Store logged mouse clicks in the database	Thomas	Laurens	2	0	A	Y	Laurens		
As a developer, I want to enforce the typechecking of messages	Rewrite methods for messages to make use of the forced typechecking of the interfaces	Arthur	Cas	5	6	A	Y	Cas		#67
As a developer, I want to have constants centralized	Centralise some constants	Thomas	Laurens	3	4	E	Y	Laurens		
As a developer, I want to have a structured repository	Put all trackers in a folder	Thomas	Laurens	3	3	C	Y	Laurens		#68
As a developer, I want to reduce the amount of the connections to the tracker	Create a class that moves replicated chrome message logic	Lars	Arthur, Thomas	6	8	D	Y	Arthur, Lars	Lars has co-operated on this task.	
For the meeting with Alberto we need to be prepared	Creating a proper walkthrough for the API	Cas	Thomas	5	0	A	N	-		
	Creating a video of the use of the API	Thomas	Arthur	5	0	A	N	-	This was not necessary anymore as we switched from a video to a live demo.	
	Improving the user interface	Laurens	Cas	4	6	A	Y	Arthur, Cas, Lars	Arthur & Lars have also worked on this. For Lars the amount of actual effort comes on 10 points.	#76
As a developer, I want it to be easy to switch between many requests and bulk request easily.	Strategy pattern	Lars	Laurens	6	14	E	N	-	Annoying bugs in typescript when using interface in a Chrome extenstion	
Project Requirement	Creating a proposal for the interaction design	Cas	Thomas	7	7	B	Y	Thomas		
As a user, I don't want to see unfunctional features	Disabling not functional preference buttons in the UI	Cas	Laurens	3	3	D	N	-	As the entire user interface was redesigned, these not-functional buttons were removed an this task fell out.	
As a developer, I want to have reliable tests	Rewriting tests to become more reliable	Arthur	Laurens	4	1	B	Y	Arthur	Arthur added the reliable tests in one of his PR's.	

Additional	Restructured test folder and documents folder (rewrite the README.md)	-	Cas	-	2	D	Y	Cas		
	Created class diagram	-	Cas	-	5	A	Y	Cas		#79
	Writing test coverage justification	-	Cas	-	2	B	Y	Cas		
	Adding a few tests that were missing	-	Cas	-	1	C	Y	Cas		#78
	Put in the ADD why the folder is called js instead of ts	-	Cas	-	1	A	Y	Cas	Added this section to the document 'Coding Choices'.	
	In the ADD write a subsection for every goal on how we have tried to achieve it until now	-	Arthur	-	2	A	Y	Arthur		
	Write in the ADD how we handle concurrency regarding the AJAX calls for requests	-	Cas	-	1	A	Y	Cas		

Main Problems Encountered

Problem 1

During the sprint Cas had started a lot of git problems, which started from disabling a case-sesitive check on the windows operation system. This problem was kept small by destroying the branch that was affected by this problem, but the error had slept into another branch as we've found out afterwards which was merged into develop as on itself, the branch didn't make the build fail. After the merge, the develop branch got corrupted and as the git of Cas was affected and unusable at that moment, he couldn't fix the develop branch.

Solution 1

To solve the corrupted branch problem, Arthur had to spent a lot of time on fixing git errors which were produced at Cas' laptop. Also, Cas had to destroy everything he had on his computer concerning the project and create a new clean environment which was not affected by the git problem which took some time as the git error remained while trying multiple solutions. In the end, everything is back at how it should be and Cas created a list with checks for himself to let this problem not occur for a second time.

Problem 2

For this sprint we have had to prepare a demo for the meeting that should be taking place at Friday 27th of May in 2016, but which could not take place due to conflicting engagements. Due to this extra work and exams in the same week, we didn't have any time left to create a semantic event logger.

Solution 2

To solve this problem we will have an extra group meeting about this part of the project and we ware planning on giving the build of this the highest priority for the next sprint.

Problem 3

Thomas had two exams during this sprint and was incapacitated due to an accident, therefore he was able to do less work than desired during this sprint.

Solution 3

Thomas has no more exams, and will try not to get hospitalised during the next sprint.

Problem 4

TypeScript interfaces do not work well with Chrome Extensions. Because of this we haven't really been able to implement the strategy pattern that we planned to use for the sending behaviour.

Solution 4

We haven't really been able to figure out how to fix this. One of the partial solutions is to move the interface and all of its implementations into one file, which fixes the interface type not being available to its implementation, however this solution doesn't fix the interface type not being available to other classes which need to use it.

Adjustments for next sprint

Cas will use his personal checks to avoid any further git problem to occur and if it happens again, he will immediately wipe out his environment and inform Arthur about the problem and he will take no further action until he gets a response.

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 and problem solving efforts.

Names	Estimated Total Effort	Actual Total Effort
Lars	26	28
Thomas	26	15
Cas	26	39
Arthur	28	29
Laurens	25	26

Pointing system for Sprint Backlogs per task:

1-4: 30 minutes per point

5-8: 1 hour per point

9-12: 1.5 hours per point

13-15: 2 hours per point

15+ = x^1.598 per point