Proficious

November 10, 2018

Sprint 4 Report

November 6 – November 10

Used Product Backlog Version: v2

Team Members:

- Alexander Greff (greffal1) alex.greff@mail.utoronto.ca
- Saad Syed Ali (alisaad2) saadsyed.ali@mail.utoronto.ca
- Mohammed Osumah (osumahmo) mohammed.osumah@mail.utoronto.ca
- Gyeongwon Choi (choigyeo) gyeongwon.choi@mail.utoronto.ca

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Sprint Objectives

The objectives of this sprint were to (finally) complete the iCare template parser and database query system and to develop report chart types as well as report implementations. We also planned on implementing the GUI for the uploader as well as the GUI for the report system (aka "admin" panel).

Planned Tasks to Complete

User Story	Task Description	Story Points	Dependencies
[…]			
U4	T5: Implement the parser using the template system (T3) for the iCare datasheets which is stored into the data-object from T4 • Takes the JSON mapping files from T3 and goes through each row in a populated iCare excel file and "fills in" the data into the JSON structure	5	T3, T4
[…]			
U6	T8: Implement a base template system that all report types will function on • Use pre-made excel files with different chart types, inject data into them and save them as new files	3	T2
	T9: Develop a system that allows for query retrievals from the database • Add data-retrieval functionality to DatabaseDriver	5	T6
U7	T10: Develop an assortment of chart templates that the report system can use for generating reports • Make an assortment of excel files supporting different chart types	3	T7, T8
	T11: Develop an assortment of report presets to meet some of the client's research questions • Use the report system from T7, the template system from T8	5	T7, T8, T9

	and the database retrieval system from T9 make customized presets that meet some of the client's research questions		
[…]			
U8	T13: Implement the interface designed in T7 to work with the parser and uploader systems (T5 & T6) • Implement functionality of the interface that was designed in T11	3	T5, T6, T7
[…]			
U9	T15: Implement the interface designed in T14 to work with the report system (T7 & T8) • Implement functionality of the interface that was designed in T14	5	T7, T8, T14

Sprint Plan

Sprint 4 Plan (Nov 6 - Nov 10) A = Alex, M = Mo, S = Saad, W = Won **Sprint Velocity:** 1 story point / day Note: backeted dependencies mean "recommended"									
User Stories	Tasks	Dependencies	Story Points	Day 1	Day 2	Day 3	Day 4	Day 5	Completed
U4	T5	T3, T4	2	W:1	W:1				X
U6	T9	T6	5	M:1	M:1	M:1	M:1	M:1	X
U7	T10	T7, T8	3	A:1	A:1	A:1			X
	T11	T7, T8, T9	5				A:1	A:1	
U8	T13	T5, T6, T7	2				S:1	S:1	X
U9	T15	T9, T10, T11, T14	3	S:1	S:1	S:1			X

Note: Saad thinks that we will be able to complete T15 in 3 story points instead of 5 as originally planned.

Sprint Execution

Sprint 4 Execution (Nov 6 - Nov 10) A = Alex, M = Mo, S = Saad, W = Won **Sprint Velocity:** 1 story point / day Note: backeted dependencies mean "recommended"									
User Stories	Tasks	Dependencies	Story Points	Day 1	Day 2	Day 3	Day 4	Day 5	Completed
U4	T5	T3, T4	2	W:1	W:1				
U6	T8	T2	3			A:1	A:2		X
	T9	T6	5	M:1	M:1		M:2	M:1	X
U7	T10	T7, T8	3				A:1	A:2	X
	T11	T7, T8, T9	5					A:1	
U8	T13	T5, T6, T7	3				S:2	S:1	X
U9	T15	T9, T10, T11, T14	5					S:1	

Changes from Planning to Execution:

- Won was able to almost complete T5 this sprint but he still needs 1 more story point to finish testing next sprint.
- Due to technical limitations of the currently implemented report system, Alex decided to completely rework the existing report system (T8). He was still able to complete T10 but was unable to fully complete T11. He will finish this task next sprint.
- Due to Alex having to rework the report system, Saad was unable to complete T15 fully and will use next sprint to finish it.

Sprint Burndown

Sprint 3 Burndown						
Days	0	1	2	3	4	5
Provisial (in story points)	15	15	13	7	7	0
Actual (in story points)	15	15	13	13	10	2