

Sprint Retrospective, Iteration #6

Context Project: Programming Life

Group: desoxyribonucleïnezuur

User Story #	Task #	Done by	Estimated Effort per Task (in hours)	Actual Effort per Task (in hours)	Done (yes / no)	Notes
Create drawing datastructure	Find Brother nodes	Iwan / Martijn	1	6 (Iwan) / 4 (Martijn)	Yes	When we found the most basic way to get more, it became clear that there are even more nodes that we could not found. So we made a bit overcomplicated and overenthusiastic algorithm to find all the nodes.
	Reduce edge clipping by extending edge to the end of the layer	Martijn	5	3	No	Higher priority tasks were introduced during the implementation
Parsing and Caching tomato	Parse and cache genomes	Toine	13	16	Yes	Parsing was not sped up
	Implement and test toposort for full graph	Ivo	0	6	Yes	Unplanned, but done to see whether toposorting would be a viable strategy for increasing speed after parsing
Visual Encodings	Edge thickness and coloring	Toine/Martijn	5	8 (Toine) / 1 (Martijn)	Yes	
	Node coloring	Toine	3	4	Yes	
	Highlight edges	Iwan	3	2	Yes	
	Highlight nodes and center on nodes	Iwan	3	2	Yes	
	Highlight nodes with genome path.	Iwan / Martijn	2	1 (Iwan) / 1 (Martijn)	Yes	
	Highlight panel	Iwan / Martijn	10	10 (Iwan) / 2 (Martijn)	Yes	
	Highlight Edge with genome path.	Iwan	2	0	No	I did not have time to do this.
	Highlight and Center Centernode	Iwan	2	2	Yes	This was the initial reason to make the highlight node method
	Highlight node on amount of genomes	Iwan	3	4	Yes	
Selecting nodes	Create the methods to process this information in the right hand panel	Yannick	3	4	Yes	
	Show proper information in nodes and edges on-click	Martijn	3	3	Yes	
Pan and Zoom	Be able to pan and zoom through the graph	Yannick	5	14	Yes	Took way longer than anticipated. It was quite difficult to fully understand the process that went on with zooming and panning. They influence each other at all times and this had to be accommodated for by trial/error and research
Dynamic moving	Dynamically load and remove data from memory as you pan and zoom through the graph	Martijn/Ivo	40	3 (Martijn) / 6 (Ivo)	No	We didn't have enough time to do this. Next week for sure.
Create panel to show information of nodes and edges	Update/ Improve methods and panel	Yannick	1	2	Yes	
	Create the tab panel to hold this information	Yannick	2	2	Yes	
	Update bookmark window	Yannick	1	1	Yes	
	Fix single-character bookmarks	Toine/Martijn	0,5	0,08333333333	Yes	
	Allow shortcuts for buttons	Yannick	0.5	0.5	Yes	
	Refactor Bookmarks	Martijn	2	2	Yes	
	Clean up/ Refactor the code	Yannick	2	2	Yes	
	Minimize edge crossings	Ivo	20	8	Yes	Was way easier than expected, but is not perfect (and I expect that it is NP-complete to do perfect)
	Prepare for ID meeting	Ivo	8	2	Yes	

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miscellaneous	ID meeting	Everyone	1	1	Yes	
	Process overhead (pull request review and such)	Everyone	10	10	Yes	
	Give a final pull request to the master	Everyone	5	5	Yes	
	Create retrospective and planning for next week	Everyone	10	10	Yes	

Finding Sibling Nodes

Description: The time assigned to this issue was way too little. Furthermore, it also turned out we were finding way fewer nodes than there actually were.

Reaction: Will more accurately assess the time required for certain issues

Minimize edge crossing

Description: We were unsure about the time required for this. Turned out to be quicker than expected

Reaction: No reaction. Certain issues are unpredictable regarding time required.

Adjustments for the next Sprint

We will try to more accurately guess the time certain tasks will consume, based on previous experiences with similar tasks.