

Sprint Reflection

Programming Life Team 1

Final sprint 8

Week 4.9

blue = not in initial sprint plan // added during sprint.

Requirement/Story	Task	Actual time spent					Estimated time hours	Done y/n	Notes
		Chak Shun	Justin	Mark	Marissa	Maarten			
Provide semantic zooming to enable useful visual interpretation at various zoom levels from whole-genome to individual mutations.	Adjust the horizontal placements after collapsing nodes.		5,0				5	yes	Gaps are gone!
	Extend the pointsystem to make the semantic zooming more dynamic.	5,0		3,0	10,0		7	yes	
Put this graph in the context of the evolutionary relationship between bacteria.	Detect whether a mutation is phylogenetically inherited.			14,0			8	yes	Detect groups of phylo leafs based on strains in mutations.
	Combine evolutionary inheritance with the mutation score.			4,0	5,0	2,0	4	yes	
	Highlighting the graph based on the phylogenetic tree highlighting.	5,0		3,0		0,5	3	yes	
	Edge weights based on the amount of genomes going through it.	3,0					2	yes	
Identify mutations and determine the type of variant (insertion, deletion, SNP) uniformly across the samples.	Identify and collapse complex mutations.		15,0			7,0	10	yes	
Put bubbles (mutations) in the graph in the context of well-known references genomes with their gene annotations and integrate with other reference databases.	Create the ability to navigate to a certain gene.	9,0					5	yes	
	Show well known mutations in a minimap.					12,0	5	yes	Does not show current view location properly when there are collapsed nodes.
	Add an overlay in the graph showing the location of genes.	13,0					8	yes	
User interface improvements.	Improve the vertical placement of the nodes.		5,0				2	no	Placement of INDELs is improved.
	Write Help content.				3,0	2,0	2	yes	
	Create a Help dialog.					3,0	3	yes	
	Enable configuring thresholds and weights.				8,0	1,0	5	yes	Setting the importance of mutation types.
	Add keyboard control of main functions.			0,0	4,0	1,0	3	yes	
	Make external data import possible.					3,0	3	yes	Phylotree, gene annotation, known mutations.
	Show information about the current zoomlevel.	3,0				2,0	5	yes	# and % collapsed nodes, level index.
Short screen cam demo of the application.	Write the screenplay.			0,5	0,5		1	yes	
	Record the video footage.	1,0	1,0		1,0		1	yes	
	Record and be voice-over.				?		1	-	Task due and planned on Sat 20-6.
	Assemble the video.					?	2	-	Task due and planned on Sat 20-6.
Writing reports.	Final report (draft).	2,0	2,5	2,5	2,0	1,0	5	yes	
	Emergent Architecture Design (final).	0,0	0,0	0,0	0,0	0,0	5	no	Deadline extension to Wed 24-6.

Main Problems and Adjustments

Problem 1 - Number of tasks (added during sprint)

Description Not all features could be implemented and tested completely during the last sprint.

Effect We had to decide what couldn't be done within the given time and what tasks to drop or implement less complete.

Improvement Don't put things on the sprintplan which will probably not be implemented within the given time.