Sprint Reflection *Programming Life Team 1*   **Week 4.8**   **Sprint 7**

Requirement/Story	Task	Actual time spent					Estimated time hours	Done y/n	Notes
		Chak Shun	*Justin*	*Mark*	*Marissa*	*Maarten*			
As a user I want the program to load the provided input relatively fast, indepent of the size of the input.	Finish refactoring the code to make it work with neo4j.				10,0		12,0	no	Dropped.
Put this graph in the context of the evolutionary relationship between bacteria.	Integrate information about evolutionary relationship into different visual representations.			8,0			12,0	no	
Provide semantic zooming to enable useful visual interpretation at various zoom levels from whole-genome to individual mutations	Implement different visual interpretations based on the percentage of N's, non variable node, SYN and NSY.	10,0	17,0		8,0	15,0	18,0	yes	
Put bubbles (mutations) in the graph in the context of reference genomes with their gene annotations	Visualize the location of the genes.	0,0				0,0	8,0	no	Postponed.
	Integrate information about genes and drug resistance into the visual representations	6,0					10,0	yes	
Improvements based on Interactive Design interviews.	Improve node content pane.					2,5	-	yes	

Main Problems and Adjustments

Problem 1 - Misjudged task complexity

Description The task concerning Neo4j would take a long time to complete in a satisfactory manner.

Effect We dropped the task in favor of implementing more important functionalities.

Problem 2 - Task misplanning

Description We underestimated the time needed for the semantic zoom level task.

Effect We had to postpone the gene annotation task to complete the semantic zoom level task.

Improvement Plan good.