

Sprint Backlog, Iteration #5

User Story	Task	Member responsible for the task	Task Assigned To	Estimated Effort per Task (in hours)	Actual Effort per Task (in hours)	Priority (A—E) (A is highest)	Done (yes/no)	Notes
As the user I want the data to collapse dynamically when zooming (semantic zoom) so that I can better understand the data.	Implement the ability to read/write bubbles from/to the database	Daniël	Daniël	10	10	B	yes	
	Implement the ability to collapse/expand ribbons in the gui while zooming	Daniël	Daniël, Rob	14	16	B	yes	See Problem 1
As the user, when I zoom in on the data, I want the focal point of the zoom to be on wherever my mouse cursor is.	Implement snip identification	Björn	Björn, Hugo, Daniel	16	14	A	yes	
	Implement the storing of snip data into the database	Björn	Björn	6	4	B	yes	
	Implement the identification of repetitive bubbles in the data	Hugo	Hugo, Bjorn, Evan	16	17	B	no	See Problem 2
	Implement the storing of repetative bubbles in the database	Hugo	Hugo	6	6	B	no	See Problem 2
As the user, I want to only zoom horizontally when I scroll	Remove the vertical zooming aspect while scrolling	Rob	Rob, Daniel	10	11	B	yes	
As the user, I want there to be a link between the phylogenetic tree and the graph so that I can better find patterns in the data.	Make the phylogenetic tree only show genomes that appear in the data.	Evan	Evan	4	5	C	yes	This was much more difficult that expected because of the recursive design the tree builder uses.
	Implement zooming in the phylogenetic tree	Evan	Evan	2	2	B	yes	
	Implement the ability to select a single genome in the phylogeny and only view those in the graph	Evan	Evan, Rob, Daniel	14	15	A	no	The functionality is present, but it does not show in the gui. So it isn't fully implemented.
As the user, I want a link between the ribbon and graph views so that when switching between them the position in the genomes remains the same	Implement coordinates that carry over between levels (so if you zoom in on the high level you zoom in on the same spot in the low level)	Rob	Rob, Bjorn	8	9	B	yes	
As a programmer, I want to be able to use tooling without experiencing errors.	Fix Travis tooling configuration errors	Rob	Rob	3	2	B	yes	
	Fix maven configuration errors	Björn	Björn	3	2	B	yes	When Rob fixed the Travis tooling erros it also fixed the mavne configuration errors
As the client i want to see a presentation and demo every week to keep me up to date with how the project is progressing.	Create, practice, and present the client meeting presentation.	Evan	Evan	3	3	B	yes	
As the client I want to be able to view the Architecture design document and understand the design of the project	Update the Architecture Design Document to be current with the projects architecture	Evan	Evan	1	0	A	yes	The Architecture didn't change so there was nothing to update

Context Project: Programming Life

Group: PL3

Problem #1 : Current graph structure

Description: The ribbon graph is currently a single Group object, which makes changing specific items inside the graph impossible. This was a problem when collapsing ribbons.

Reaction: As a workaround for this sprint, we simply redraw the Group when changing from collapsed to expanded versions of the graph. This is not a future proof method however, and in the next sprint(s) we will improve the structure of the Graph so that specific elements from the graph can be accessed and/or modified. For the following week we are going to be restructuring the graph structure and how it works with the ribbons.

Problem #2 : Repetitive bubbles and database storage

Description: For this task to be finished, some work by Daniel regarding bubble identification and storage had to finished first. This turned out to be quite a hassle.

Reaction: It was decided that instead, the planned time for this task should be used for doing research on how to best implement the algorithm for repetitive bubble identification and implementing the algorithm using replacement input data.

Problem #3 : Interaction between the controllers

Description: There is a problem with how the controllers communicate with eachother, so the phylogeny controller was not able to trigger the method that draws the gene in the ribbon controller.

Reaction: Through the restructuring in the following week this problem will be addressed and fixed.