

User Story	Task	Task Assigned To	Estimated Effort per Task (in hours)	Actual effort per task (in hours)	Done (yes/no)	Notes
As a user I want to be able to load the 328 genomes	Remove empty leaves	Jeffrey	10	18	Yes	Loading the data took up several minutes everytime, slowing debugging
As I user I want to visualize the genomes in a clear and concise way	Improve positioning of the ribbon nodes	Matthijs	6	8	Yes	
	Improve the bubble collapsing algorithm	Matthijs	6	6	Yes	
	Draw edges if nodes are offscreen	Matthijs	2	1	No	Turned out to be non-trivial, will be moved to the next sprint

As a user I want to be able to see the strands when zoomed in and mutations when less zoomed in	Update and send ribbon labels to the frontend	Matthijs	5	2	Yes	Creating this functionality turned out to be trivial
	Create backend method for useful minimap	Matthijs	8	4	Yes	Problem turned out to be largely solved by being able to load the full data set
	Make algorithm to recognize mutations (SNP, duplications)	Jeffrey	15	3	No	Not enough time due to the loading of the full data set
As a developer I want to have maintainable code.	Use SIG to improve code quality	Kasper	24		No	SIG was broken and did not return any useful analysis
As a user I want the program to be fast, even	Change constructors from database	Youp	4	15	No	The Spring-framework that we wanted to use

with large datasets						for this task turned out to be hard to use.
	Finish coupling to database	Youp	4	2	No	See above
	Implement caching algorithm	Youp	20	8	No	Due to a miscommunication, the implemented caching method turned out to be nearly worthless
As a user I want a user-friendly program	Make zooming view draggable	Thomas	6	0	No	No time
	Show labels on mouse-over	Thomas	5	3	Yes	
As a user I want to navigate and select genomes from the Phylogenetic	Visualize the phylogenetic tree	Thomas	8	4	No	

tree in an easy way	Collapse the phylogenetic tree and give a heatmap	Thomas	8	1	No	
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## Main Problems Encountered

### Problem 1

Description: The Spring framework turned out to be difficult to get up and running.

Reaction: Unfortunately, the team member was not in Delft during the encountered problems, and solving the problem at a distance proved difficult. The issue was taken up the next time he was present, which unfortunately was on Friday.

### Problem 2

Description: One of the team members was busy with organizing Area FiftyLAN, where some unexpected events required more of his attention than expected.

Reaction: As most of the functionality was not critical, it was simply moved to next week.

### Problem 3

Description: SIG was not working correctly, resulting in us having to change one of the team member's tasks completely.

Reaction: The team member focused on improving code quality without the SIG analysis and improving the colouring of the ribbons (resulting in a start of the metadata parsing).

## Adjustments for the next Sprint

Motivate any adjustments that will be made for the next Sprint.

