

User story	Task	Groupmember responsible	Assignee	Estimated effort (hours)	Priority (1 low - 5 high)
As a client, I want an organized and maintainable codebase, so that future changes require less hours	Refactor Semantic Zoom GUI	Faris	Faris	10	5
	Test Semantic Zoom GUI components	Faris	Faris	10	5
	Refactor Semantic Zoom Bubbles	Casper	Casper	10	5
	Test Semantic Zoom Bubble components	Casper	Casper	10	5
As a user, I want explicit highlight of mutational structures to better understand the data	Highlight convergent evolution	Wouter	Wouter	10.0	5
	Implement/Integrate more mutation bubbles (indel, point mutation)	Wouter	Wouter & Cas	15.0	3
	Finish indel/point mutation bubble algorithm	Cas	Cas	5.0	5
	Create formal algorithm definition for bubble algorithms	Wouter	Wouter	5.0	1
	Implement bubble comparison	Casper	Casper	5.0	3
	Port phylogenetic algorithm to normal grouping algorithm (with toggle feature)	Casper	Casper	15.0	1
	Enable GUI to draw bubble with comparison	Faris	Faris	5.0	3
As a user, I want an intuitive and finished GUI, so that I can clearly navigate and reach all functionality of the application	Refine search functionality and improve interface	Justin	Justin	10.0	2
	Implement 'Jump to Base position' as specified by customers	Justin	Justin	7.0	5
	Make bubbles fade fully when zoomed in far enough	Faris	Faris	1.0	3
	Add Sequences to nodes so they can be viewed	Justin	Justin	2.0	5
As a user, I want to know what genes are encoded in the DNA, so that I can better detect important mutations	Parse and test gene annotation file and potentially extend gfa parser	Cas	Cas	3.0	4

	Implement gene annotations in highlighting	Cas	Cas	10.0	3
As a customer, I require documentation to monitor the development process	Update Architecture Design	Wouter	Wouter	4.0	2
As a user, I want to see metadata when I select a node in the graph	implement metadata on nodes	Justin	Justin	7.0	3
	Implement metadata on Bubbles	Justin	Justin	4.0	2
As a user, I want a bug-free application when I buy something	Fix split-graphs bug for edge pruning	Wouter	Wouter	3.0	5
	Fix graph comparison and node selection in phylo tree	Faris	Faris	6.0	5
	Fix phylo subtree generation	Casper	Casper	3.0	4
As a customer, I want an application that is easy to use	Setup User test experiment	Cas	Cas	10.0	1
As a customer, I want to have a weekly demo to see the progress of my product	Prepare a presentation	Cas	Cas	2.0	1