

Sprint backlog, Iteration #7	ends 09:00, 10-06-2016						
Context group: DART-N							
Group: PL 4							
User Story	Task	Member responsible for task	Member assigned to task	Estimated Effort (hours)	Priority	Actual	Done
As user, the GUI will be self explanatory and it will look good	GUI	Daphne	Daphne	26	B.2		Yes
	- CSS Styling		Daphne	8	B.2.1	6	Yes
	- Loading indication		Daphne	2	B.2.2	1	Yes
	- Recently opened feature		Daphne	6	B.2.3	6	Yes
	- Make legend more clear		Daphne	1	B.2.4	Ricardo, 3	Yes
	- Fix ZoomBox		Daphne	3	B.2.5	10	Yes
	- "Do you also want to load"		Daphne	6	B.2.6	4	Yes
	- Shift + click on the infoList to select multiple		Ties	5	B.2.7	4	Yes
As a user, I want to be able to filter the tree and the graph on certain characteristics of a strain	Metadata - Make all filters useable in the tree and in the graph	Arthur	Arthur	16	A.6	16	Yes
	- Fix bug in filter: buttons are disabled		Arthur	0:10	A.6.1	0:10	Yes
	- Include dates		Arthur	1	A.6.2	0	No
	- Give user the possibility to load own metadata file		Arthur	1	A.6.3	1	Yes
	- Include numerical metadata		Arthur	1	A.6.4	0	No
	- Show all the metadata next to tree (at least what is selected)		Arthur	3	A.6.5	0	No
As a user, I want to be able to use/see extra information about a certain node or sequence	Annotations - Make visible - Refactor	Niels	Niels	10	A.2	11	Yes
	- Search on the name or identifiers, not id	Niels	Niels	1	A.2.1	1	Yes
	Phylogenetic Tree	Arhur	Arthur	10	C.2		Yes
	- Create a 'select all' button	Arthur	Ties	2	C.2.1	Ties, 1:30	Yes
	- Resolve Search Bar bug	Ricardo	Ricardo, Arthur	8	C.2.2	Ricardo, 2	Yes
As a user, I want the nodes of the graph to be placed in a logical and space-efficient manner.	Node placement: don't use the identifiers! Topological sort, give own identifiers and use those. (Calculate pairs (source,sink), select from source to sink	Ricardo	Niek, Ricardo	25	A.1	10	Partly
	- Arrow Edge	Ricardo	Ricardo, Arthur	10	A.1.1	5	No
	- Improve collapsing to better display the 328 graph	Niek	Niek	15	A.1.2	15	Yes
	- Include a visual proof of node size (=add to legenda what size means	Niek	Niek	1	A.1.3	Ricardo, 1	Yes
	- Yellow bubble: show what's in it. E.g.: A vs. C or multiple bases vs. multiple bases	Niek	Niek	2	A.1.4	Ties: 1:30	Yes
As a user, I want to wait as little time as possible while using the application.	Rendering enhancement: only load nodes that are currently on the screen	Ties	Ties, Daphne	20	A.3	22/2	Yes
	- Fix Garbage Collector error	Daphne	Ties, Daphne	15	A.4	5	Issue 159
As a user, I want to compare two genomes.	- Implement this	Arthur	Arthur, Ties	15	A.5	0	Already done
	MVC Design pattern implementation	Niek	Niek	15	B.1	4	No
As a user, I want to have a clear indication of what I am seeing	Focus - highlight everything that was initially focused	Ties	Niek	4	B.1.2	4	Yes
	Controller Testing	Niels	Niels	12	C.1	0	No
Additional hours (These hours are mostly related to bugfixes, which occurred unexpect	Hours	Justification					
Fix CheckStyle, PMD, FindBugs	1.5	Unforeseen task with priority					
Remove / rewrite redundant code + functionality testing	3	Unforeseen task with priority					
Make the metadata loadable from file + load recent functionality to annotations / metadata	5	Unforeseen task with priority					
Update Emergent architecture document	2	Unforeseen task with priority					
Improve the focus and sidefocus, aswell as add original focus	12	The feature did not work yes as we intended, thus needed a lot more work than we thought.					
Several small bugs fixed	8	Unforeseen task with priority					

Problem:	Additional collapsing of complex node structures					
Description:	We attempted to further collapse the more complex structures of nodes, but some structures in the 328 graph seem still too complex (paths of over 1000 nodes) to collapse.					
Solution:	Optimization of the algorithm may solve this partially, but it looks like there is no "clean" manner to collapse every node without messing with the clarity of the graph					
Problem:	Not loading all data files causes faulty behaviour					
Description:	The application now depends on loading four different data files. Whenever one of the four files is not loaded not all functionalities handle unloaded data correctly					
Solution:	Next time perform more manual testing of all features during development and PR					
Problem:	Application is slow due to the replacing of the zoomBox					
Description	After focusing the ZoomBox on what is in the screen, we encountered the problem that continuously replacing it on every scroll movement, the application becomes very slow at the most zoomed in level.					
Solution:	Next week, we will implement a checksum which determines whether the zoomBox should be replaced or not. This will be determined by checking if the difference between the old and new position is sufficient enough to be visible on the screen. This will prevent the ZoomBox from continuously being replaced and will therefore make the application faster again.					