

TI2806 Contextproject

EWI/EEMCS

Sprint plan 7

Programming Life Group 4

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Sprint Plan #7

Programming Life 4

User story	Task	Task assigned to	Estimated number of hours	Priority (scale 1-5; low to high)	Notes
As a user, I want to be able to navigate the phylogenetic tree.	Increase the node and edge sizes (dynamically) in the phylogenetic tree	Jente	3	3	
	Make the tree persistent across sessions	Piet & Jente	12	4	
	Add functionality to support the UI's "jump to" feature	Jente & Piet	10	4	
As a user, I want to be able to load a graph	Color all clusters, or indicate why some are not colored	Gerlof	8	3	
	Step-wise clustering to decrease the amount of redraws	Gerlof & Skip	15	4	
	Implement batchinsertion, for faster startup and less memory usage.	Gerlof & Skip	20	5	Find a way to use the GraphBuilder interface for this
As a user, I want to have a semantic zoom, so that I only see the information relevant at the zoom level	Draw edges to nodes that are not in view at the moment	Gerlof & Skip	5	3	
	Make the interestingness factor extendable and customizable	Gerlof & Skip	10	5	Consider using the Strategy Pattern for this.
	Identify and assign a score to mutations on annotated genes	Skip & Piet	10	4	
	Make clusters bigger and draw more relevant information inside them	Jente	3	4	
As a user, I want to know to which annotations a sequence belongs.	Draw annotations on the top level view	Jente & Piet	20	5	
As a user, I want to work with a pleasant user interface	Set zoom bounds on the views	Owen	5	4	
	Center the top level view	Owen	5	2	
	Apply nice CSS to DNAinator	Piet & Owen	7	3	
	Improve the welcome screen	Jente & Owen	7	4	Accomodate for BatchInsertion and only create a GraphItem with Neo4j db when a db instance is available
	Add a reset-zoom button	Piet	1	4	
	Set a better initial zoom level	Owen	1	2	
	Add jump-to functionality	Owen	5	5	
	Add other controls to interact with the views	Owen	5	4	
As a user, I want to know to which annotations a sequence belongs.	Parse known drug resistance annotations	Owen	5	2	
Justification of priorities					

This week the focus is on getting things right: the functionality has been there for a few weeks now but it has always felt clumsy. This is partly due to an overly boring and uninteresting user interface. The user interface will improve this week, as will the performance to make it feel just that much snappier. The customer has also indicated that while present, the semantic zooming is not yet informative enough. Besides these points, time will also be spent on implementing annotations. This is one of the last must have features and is extremely important to the customer.