

TI2806 Contextproject

EWI/EEMCS

Sprint Reflection 8

Programming Life Group 4

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Sprint Reflection #8

Programming Life 4

User story	Task	Task assigned to	Estimated number of hours	Actual effort	Priority (scale 1-5; low to high)	Done	Notes
As a user, I want to be able to navigate the phylogenetic tree.	Make the tree persistent across sessions	Piet & Jente	10	12	4	Yes	Decided to place this in the database, with which Gerlof helped.
As a user, I want to be able to load a graph	Color all clusters, or indicate why some are not colored	Piet	10	4	3	Yes	Took a shortcut (simple CSS border) in the end to save time for other tasks.
	Step-wise clustering to decrease the amount of redraws	Gerlof & Skip	15	2	4	No	Performance is fixed with another solution by Jente. Last minute bug prevented this from being merged.
As a user, I want to have a semantic zoom, so that I only see the information relevant at the zoom level	Identify and assign a score to mutations on annotated genes	Skip & Piet	15	15	4	Yes	
	Identify and assign a score to nodes with multiple independent evolutions in the phylogeny	Skip & Gerlof	15	12	4	Yes	
	Identify and assign a score to known drug resistance mutations	Skip & Gerlof	15	15	5	Yes	
	Show the importance of a node, based on its interestingness score	Jente & Skip	10	15	4	No	Interestingness scores' distribution is off, so not merged yet.
	Solve nodes and edges moving around between redraws	Jente & Gerlof	10	8	4	Yes	
	Draw a minimap	Jente & Piet	20	20	5	Yes	
As a user, I want to work with a pleasant user interface	Apply nice CSS to DNAinator	Owen	10	10	3	Yes	As good as done, but not merged into master yet
	Add jump-to functionality	Owen & Jente	5	13	5	Yes	
	Add help menu for hotkey bindings	Owen	1	2	4	Yes	
	Update and implement property pane	Owen	10	14	2	Yes	Alternative solution implemented
As a user, I want to know to which annotations a sequence belongs.	Parse known drug resistance annotations	Owen & Skip	10	14	2	Yes	Done by Piet & Gerlof
	Create bubbles for better clustering	Skip	-	30	5	No	Based on feedback from Jasper we decided that we need another algorithm for better clustering. This was insanely hard, and took much of Skip's time.
Problem 1:	Bubbles						
Description	During the meeting 16-06, the customer indicated another way to cluster nodes in the graph. This 'bubbling' is indeed very interesting and fixes many issues we had. As such, we decided to implement this. However, it is also very complicated and due to this, Skip had to refocus his priorities which had to be filled in by other group members.						
Reaction	We shifted tasks around to allow Skip to work on bubbles.						
Problem 2:	Property pane						

Description	The information that should be displayed on the property pane is changing constantly due to interestingness scores. Because of this, a property pane has long been in the making, but was never really finished.						
Reacton	An alternative extendible solution was made by another team member, that allowed items that want to display properties to define additional properties.						