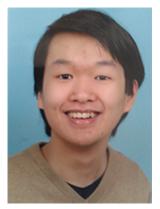
TI2806 Contextproject

EWI/EEMCS Sprint plan 7

Programming Life Group 4

June 5, 2015



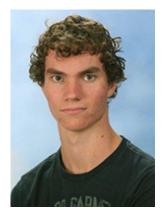
Owen Huang ohuang 4317459



Gerlof Fokkema gfokkema 4257286



Jente Hidskes jhidskes 4335732



Piet van Agtmaal pvanagtmaal 4321278



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Sprint Plan #7 Programming Life 4

User story

As a user, I want to work with a pleasant user interface

As a user, I want to know to which annotations a sequence belongs.

Task

Apply nice CSS to DNAinator

Improve the welcome screen

Set a better initial zoom level

Add other controls to interact with the views

Parse known drug resistance annotations

Add a reset-zoom button

Add jump-to functionality

Task assigned t Estimated number of hours

Priority (scale 1-5; low to high)

4

2

5

4

2

1

5

5

5

Accomodate for BatchInsertion and only create a GraphItem with Neo4j db when a db instance is available

				,	
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		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	
	Set zoom bounds on the views	Owen	5	4	
	Center the top level view	Owen	5	2	

Piet & Owen

Jente & Owen

Piet

Owen

Owen

Owen

Owen

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 uninteresing 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.