Sprint Backlog, Iteration #1

Context group: DART-N

Group: PL 4

User Story	Task	Member assigned to task	Estimated Effort (hours)	Priority	Actual Effort (hours)	Done (Yes/No)	Notes
	Product Vision draft	Niels	12	B.3	12	Yes	
	Product Plan draft	Daphne	10	B.2	12	Yes	
	Product Architecture draft	Niek	8	B.1	10	Yes	
As a DNA researcher, I want to be able to analyse a DNA sequence.	Write the Parser Write a parser that parses the gfa file so that it can be visualized.	Ties, Ricardo	12	A.1	14	Yes	
	Research on how to efficiently store the data in de gfa file.	Ties, Ricardo	16	A.2	8	Yes	
	Testing	Ties, Ricardo	10	A.3	3	No	Partially, still needs more testing for higher coverage
	Documentation Write JavaDoc	Ties, Ricardo	8	A.4	3	No	Partially, not everything is documented
As a DNA researcher, when I analyze a DNA sequence,	Basic GUI Build a GUI that visualizes a graph and enables zooming	Arthur, Daphne	20	C.1	40	Yes	
I want to have the DNA sequence displayed in bubbles and ribbons.	GUI Testing	Arthur, Daphne	10	C.2	2	No	Only user-interaction testing
	Documentation Write JavaDoc	Arthur, Daphne	8	C.3	4	No	Partially, not everything is documented
As a DNA researcher, I want to have semantic zooming, so that the displayed information is detailed and relevant.	Research on several level of semantic zoomin POC: Proof of concept	Niels	10	D	12	Yes	
	Code Review	All	4	E	2	No	Partially
As a DNA researcher, when analyzing DNA, I want to be able to see the phylogenetic tree.	Newick Parser Write a parser that can read a phylogenetic tree from a newick file	Niek	2	F.1	12	Yes	
	Visualization Visualize the phylogenetic tree	Niek	8	F.2	10	No	The visualization is not correct yet

Main problems encountered

Problem 1: Lack of testing and lack of error fixing

Description: We underestimated the main aspects of the sprint backlog, such as creating the GUI and writing the parser. Because of this, we ran out of time for testing and error fixing.

Reaction: We find this a severe problem, since in the beginning of the project we discussed that we would always test our code once it was written. In order to solve it, we have planned extra our for testing next wee

Problem 2: Creation of a jar file

Description: When running the jar file we created, we get null pointers exception

Reaction: We are trying to solve this problem by getting help from our Software Engineering TA. We are planning to have this solved as soon as possible.

Problem 3: GUI Testing

Description: Our GUI isn't fully seperated from our actual parser

Reaction: We plan on cleaning up and seperating the code next week.