Sprint Reflection # 7

Contextproject: Programming life
Group: 2

User Story	Task	Task Assigned To	Estimated Effort per Task (1-5)	Actual	Done	Notes
As a programmer I want our documentation to be up to date so I can see the large lines of the project.	1. Update UML diagrams.	1. Oolbekkink	1. 2	1. 2	1. y	
As a team we want to deliver our deliverables.	1. Deliver Sprintplan8.pdf. 2. Deliver Sprintreflection7.pdf.	1. Nieuwdorp 2. Nieuwdorp	1. 1 2. 1	1. 1 2. 1	1. y 2. y	
As a user I want to highlight paths in the graph of certain strands.	1. Retrieve subgraph from existing Newick tree. 2. Select the strands that you want to highlight 3. Highlight the paths of the selected strands.	1. Boot 2. Boot 3. Nieuwdorp	1. 3 2. 2 3. 3	1. 4 2. 2 3. 3	1. y 2. y 3. y	3. Vennik
As a user I want to see the annotations & known mutations	1. Connect the annotations & known mutations to nodes in the graph 2. Display the loaded annotations in the graph	1. Nieuwdorp 2. Boot	1. 4 2. 4	1. 4 2. 4	1. y 2. y	
As a user I want to quickly locate current view in the overall graph.	1. Draw a position bar at the bottom. 2. Show mutations in the position bar.	1. Vennik 2. Hommes	1. 4 2. 3	1. 4 2. 3	1. y 2. n	2. moved to next iteration.
As a user I want to be able to see the entire graph at once	1. Create more filters. 2. Create filters based on mutations.	1. Vennik 2. Vennik	1. 5 2. 4	1. 5 2. 4	1. y 2. n	2. moved to next iteration.

and use semantic zooming, based on ‘interestingness’.	3. Create filters on base lengths.	3. Oolbekkink	3. 4	3. 4	3. n	3. moved to next iteration.
As a user I want to reset my graph view to the beginning.	1. Create a reset view button in the menu. 2. Reset the view on button click.	1. Hommes 2. Hommes	1. 1 2. 2	1. 1 2. 2	1. y 2. n	2. moved to next iteration.
As a user I want to locate strands in the tree quickly, using a search bar.	1. Create a search method. 2. Create a search bar. 3. Highlight strands that match the searching criteria.	1. Oolbekkink 2. Oolbekkink 3. Oolbekkink	1. 1 2. 1 3. 2	1. 1 2. 1 3. 2	1. y 2. y 3. y	

Main Problems Encountered

Problem 1 : Annotations became a bottleneck

Because annotations were pretty complex in relation to the context, and for a while not very important to the project. Now that we really want to start with semantic zooming the annotations are more important. A few things start to depend on them and the need to figure out the difference in coordinate systems, the binding and the visualisation is high. Because this required a lot of research and it was complex to implement. We now have a clear vision of the final product, and in the last few weeks of the product we’ll work towards that, so this problem won’t occur anymore.

Relection:

During this sprint a few bottlenecks appeared. Because the conversion of the coordinate system of the annotations and resistances to our reference space remained unclear other tasks that were dependent of this had to be pushed forward. We've requested help for the coordinate system and we now have a clear view on how to do this. Also some features that didn't have a high priority or were follow ups on other features were pushed forward. Because of these bottlenecks we feel that this was the most cumbersome sprint and we'll have to work extra hard in the following weeks to catch up. We don't want to let the code quality of functionalities suffer from a difficulty with the context of the project. We've learned from this that it's important to try and identify these unclarities/difficulties early on.