Reflection on Iteration #2

Context project: Programming life
Group: 2

User Story #	Task #	Task Assigned To	Estimated Effort	Actual Effort	Done (y/n)	Notes
As a team we want to deliver our deliverables.	1. deliver sprintplan3.pdf 2. deliver sprintreflection2.pdf 3. deliver productplanning.pdf 4. deliver final productvision.pdf	1. Boot 2. Boot 3. Nieuwdorp 4. Boot	1. 1 2. 1 3. 1 4. 1	1. 1 2. 1 3. 1 4. 1	1. y 2. y 3. y 4. y	
As a team we want to create and maintain our documents.	1. Review and redact the product vision based on received feedback. 2. Review and redact the arch. design based on received feedback. 3. Create a product planning	1. Nieuwdorp 2. Hommes 3. Nieuwdorp	1. 4 2. 3 3. 3	1. 4 2. 3 3. 3	1. y 2. y 3. y	
As a user I want to be able to see the genome graph with edges between the nodes.	1. Draw edges between the nodes.	1. Vennik	1. 3	1. 3	1. y	
As a user I want to have a clear & efficient view of the genome graph	1. Use an algorithm to filter out the crossed lines. 2. Show % of ATCG per node on high-level view 3. Enlarge the scrollbar for bigger graphs	1. Vennik 2. Nieuwdorp 3. Hommes 4. Hommes 5. Hommes	1. 5 2. 4 3. 3 4. 2 5. 3	1. 0 2. 4 3. 3 4. 2 5. 3	1. n 2. y 3. y 4. y 5. y	1. Moved to sprintplan #3

	4. Research if a dropdownmenu is better than the menu used for nodes and edges loading 5. If so, implement a dropdown menu					
As a user I want to see the DNA-sequence that belongs to each node.	1. Display DNA-sequence on node.	1. Vennik	1. 3	1. 4	1. y	Had to implement state pattern.
As a user I want to see a detailed view of the phylogenetic tree.	1. Show the names as nodes 2. Add edges between nodes	1. Boot 2. Boot	1. 2 2. 2	1. 3 2. 3	1. y 2. y	1. Nodes are currently block nodes
As a user I want to be able to navigate between the phylogenetic tree and the genome graph.	1. Create a link from the phylogenetic tree to the genome graph 2. Create a link from the genome graph to the phylogenetic tree	1. Boot 2. Boot	1. 2 2. 2	1. 2 2. 2	1. n 2. n	Moved to sprintplan #3. Incomplete and relies on workspace story.
As a user I want to simply load all relevant files in a certain directory.	1. Create a workspace for data files 2. Create a scanner for the files in the workspace 3. Create a select menu for selecting which node, edge and nwk files to use for displaying	1. Oolbekkink 2. Oolbekkink 3. Oolbekkink	1. 3 2. 3 3. 3	1. 3 2. 3 3. 3	1. n 2. n 3. n	Moved to sprintplan #3

Main Problems Encountered

Problem 1 : Pull requests were pending for too long

Since we want a dynamic production environment, it is important to keep the branches as much in sync as possible. To achieve that, we need to quickly review pull requests to merge them to the master as soon as possible. This iteration it took too much time

before all pending pull requests were reviewed and approved. We are therefore laying more focus on making time to handle pending pull requests.

Problem 2 : Two days without meetings

This week we had no lectures scheduled for Monday and Tuesday. During these days we didn't have SCRUM meetings and we therefore did not communicate about each others progress. We feel that this held us back a little.

Problem 3 : No TA-meeting

Our product has gone past it's elementary design and now lies the focus on deciding how our key features are going to fit our customer's needs. We feel that this week we could've used some more feedback from our TAs and that can be seen in our sprint plan for next week. It contains a user story about "important parts" that needs to be elaborated, which will happen after next TA meeting.

Relection:

With the problems and proposed resolutions from the last iteration still fresh in our minds we set to work on another iteration. We had a well defined strategy and knew when we had meetings. Our issues were well defined and had a good estimation of how much time each task would take. This is probably the last iteration were the main focus lays on basic functionality of the program and not on implementing features that will be of great importance to the researchers that eventually will work with our program. So the complex aspects were the programming itself and not the context we're working in. This made it easy for everyone to work on our tasks without too much verification from other team members. This lead to everyone working pretty individualistic which had a negative side effect. Namely the fact that pull requests stayed open for a pretty long time. This is also an effect of the missed meeting days on monday and tuesday. (see Problem 2) We have discussed this matter and to prevent large merge conflicts we decided to give open pull requests priority over own work. We do not want to cut back on our review policy, as this would cause a lot more delay in the long run. Other difficulties were the other deadlines for this week (Product planning and Product vision), during our last TA meeting the coordinators gave us the advice to focus less on the overhead of the project and more on the content. We followed this device and this resulted in non-exhaustive documents. We will try to balance the overhead and core problem better by letting them flow from each other. For the coming iterations the challenge lays in understanding the context and designing the product to the envisioned user. If we can keep up the planning, communication and workflow for this iteration we should be able to deliver a great product.