Sprint Retrospective, Iteration #7

Context Project: Programming Life

Group: Byzantine Generals (PL1)

User Story	Task	Task Assigned To	Esmitated Effort per Task (in manhours)	Actual Effort per Task (in man-hours)	Done (yes/no)	Notes
As a DNA researcher, I want to be able to quickly navigate to interesting positions So that these positions can easily be found and researched	Implement jumping to specific base	Ali + Samuel	6 + 3	12 + 3	yes	See problem 1
	Implement navigation based on metadata	Ravi + Samuel	12 + 3	15 + 4	no	See problem 1
	Enable highlighting of metadata (genes)	Samuel D. Sital	11	0	no	See problem 2
As a developer, I want to have clean code and tested modules So that the application can more easily be improved upon	Refactor large modules	Kamran Tadzjibov	12	5	no	Due to other problems not finished
	Write tests for untested modules	Ravi Shivam Autar	8	4	no	Due to other problems not finished
As a DNA researcher, I want the vertical height to have a meaning So that more information can be read off the graph at a glance	Position the core branch in the middle	Ali Smesseim	14	20	partly	See problem 3
	Smoothen out collapsed lines	Adam el Khalki	12	12	yes	
As a DNA researcher, I want to select lineages and multiple genomes in phylogenetic tree So that multiple genomes can be highlighted	Allow selection of parent nodes in the phylogenetic tree	Samuel D. Sital	6	0	no	See problem 2
	Allow selection of lineages in the phylogenetic tree	Samuel D. Sital	6	0	no	See problem 2
	Color the lineages in the phylogenetic tree	Samuel D. Sital	3	0	no	See problem 2
As a DNA researcher, I want to have a user-friendly application So that the application is more easy to use	Write a tutorial	Kamran Tadzjibov	4	0	no	See problem 4
	Implement keyboard shortcuts	Kamran Tadzjibov	4	0	no	See problem 4
	Conduct interviews to measure interaction design	Adam + Samuel	4 + 4	0 + 0	no	See problem 4
As a DNA reseacher, I want to have even larger datasets visualized So that DNA information can be researched more efficiently	Adjust bubble collapser for larger datasets	Kamran + Samuel	10 + 6	20 + 0	yes	See problem 1 and 2
	Adjust positioner for larger datasets	Adam el Khalki	12	16	yes	

Main Problems Encountered

Problem 1

Computing time

Description:

We did not account for the time it took to position the nodes and to collapse the bubbles. This very much increased the time it took for completing the tasks.

Reaction:

First of all, we now know that certain parts take long to compute, so we can account for that. Secondly, some effort has to be put into speeding up the calculations.

Problem 2

Ill team member

Description:

Samuel was seriously ill for his sprint. This caused his tasks to be neglected and/or be performed by another team member.

Reaction:

His condition hasn't improved yet, so the task load will be relieved for this team member for the next sprint.

Problem 3

Positioning rigidity

Description:

Since we depend on another library for positioning the nodes, we cannot fully control what the end result will be. This makes it hard to position the core branch in the middle.

Reaction:

Positioning the core branch in the middle is deemed too hard to complete, since there are more important tasks that still need to be finished, we will not put effort in this the next sprint.

Problem 4

Interaction design

Description:

The interaction design part of the project wasn't worked on, because of the aforementioned problems.

Reaction: Interaction design will be done next week.

Problem 5

Tasks neglected

Description: A lot of tasks were neglected, because of the many problems of this sprint.

Reaction: We will focus on a smaller set of tasks next sprint. Since we don't have much time any more, only the most important tasks will be performed.