

Sprint Retrospective, Iteration #3

User Story	Task	Member responsible for the task	Task Assigned To	Estimated Effort per Task (in hours)	Actual Effort per Task (in hours)	Priority (A—E) (A is highest)	Done (yes/no)	Notes
As the user, I want the tasks from the previous weeks to be finished as soon as possible	Finish phylogenetic tree visualization	Daniël	Daniël	9	12	A	yes	There were some problems trying to make the visualization better looking by vertically shifting the root nodes, so that part was left out as it did not add functionality.
	Finish low level graph visualization	Hugo	Hugo	15	18	A	yes	Took a bit longer, because I had to figure out how exactly certain things are handled in JavaFX, such as positioning of multiple elements inside Panes, drawing paths and tweaking distances between elements so that they don't overlap
As a user I want to see a logo of this application	Design a logo for the application and it shows up while starting the app	Björn	Björn	4	7	C	yes	It took more time than expected. The were huge discussions regarding the positioning of certain elements inside the logo. So I had to constantly make changes to keep everybody happy.
As the user I want to have a main toolbar where I can open a file or close the application	Make a toolbar on top of the screen and make it react on user input	Björn	Björn	4	N/A	B	no	Because of the bad estimation of the loading percentage bar. I could not complete this.
As the user I want to see a loading percentage bar with the logo when I start the application so I know that it is loading.	Make loading percentage bar show up when starting the application. This bar has to get updated when it gets closer to completion	Björn	Björn	7	14	B	yes	To show the loading bar and logo was easy. But together while having heavy tasks perform in the background was a huge problem. It required multi threading. I did not take that into account when estimating the effort. Because of that, it took way longer than I estimated.
As a developer I want to see the travis report and see no errors or warnings if possible.	Fix ALL checkstyle problems in the code AND that there are no more warnings in the travis report	Evan	Evan	4	8	B	yes	There were a lot of checkstyle errors and other formatting errors that I changed to make the code more readable. I also added commenting to a lot of methods. Because of this it took a lot longer than I originally planned for.
As a member of team Thunder Wolf Squadron, I want to see all activities related to the entire Context Project in one place	Create Google Agenda containing all lectures and deadlines and meetings	Rob	Rob	2	2	B	yes	
As a user, I want to be able to see the current location in the graph and scroll horizontally	Replace the current PannableCanvas with a Zoomable Scrollpane	Daniël	Daniël	6	8	B	yes	Simply adding a ScrollPane was easy but some extra time was invested in making zooming work and finding and implementing the right controls to move the graph around.
As a user, I want to be able to open one of my recently opened files again in a simple way	Write/read recent file names to a text file so that the user can select one of them.	Rob	Rob	4	N/A	C	no	Due to a higher time need on the bigger data set, and the lack of a toolbar in the GUI, this could not be implemented this week
As a user, I want to have semantic zooming	Start implementing the collapsing of segments into ribbons	Evan	Evan	6	11	B	no	Coming up with a way to parse things into bubbles was the hardest part and the implementation was not completed so I cant say that it was Done. I actually think there is a better way to do it now that will help with future implementations.
As a customer, I want a clear overview of this weeks features and the plans for next weeks.	Make and practice presentation	Evan	Evan	3	3	C	yes	
As a user, I want a working Ribbon view with basic zooming	Fix displaying of the ribbon when zooming	Rob	Rob	2	4	B	no	Due to time and the switch to a scrollpane at a very late time in the sprint, not enough time could be spent to fix this bug.
As a user, I want to be able to input large datasets.	Run a first test with the 328 genome dataset, and analyze which parts are too slow and find out how to improve this with possible solutions	Rob	Rob	3	12	C	yes	Pre-processing would have taken too long on the 328 genome data set, therefore adjustments needed to be implemented to the pre-processing immediately.

Context Project: Programming Life
Group: PL3

Problem #1 : Collapsing bubbles was not implemented

Description: The logic behind parsing bubbles and collapsing them is more difficult than I had originally expected. So it took a long time to come up with a way to do it, and I didn't have time to finish the implementation
Reaction: Because this is an important part of the project, I am going to 1 - consult with other group members to get their ideas on the topic. 2 - Probably have someone else work with me to speed up the progress of implementation.

Problem #2 : Splash screen

Description: Like said above, it is not possible to perform heavy task while updating a loading bar at the same time. Multi threading was needed, listeners on threads had to be added and GUI operations must be performed on the Java FX Application Thread.
Reaction: Because of the bad estimation, the toolbar could not be finished in time. I also think that I will have to inform the group about multi threading so that we will make better estimations next time when combining heavy tasks and GUI updates at the same time.

Problem #3 : 328 Genomes test

Description: We wanted to run a first test with the 328 genomes data set, however the program was so slow, that we could not even see all parts of the pre-processing how long they would take (Estimation was 30 hours to finish pre-processing).
Reaction: We needed not only think about possible solutions, but also implement them, so we could see for each step in the pre-processing how long it would take. Now the preprocessing only takes 6 minutes insted of 30 hours, which is fast enough in our opinion (for now)