

# Sprint Retrospective, Iteration #5

Context Project: Programming Life  
Group: Byzantine Generals (PL1)

User Story	Task	Task Assigned To	Esmitated Effort per Task (in man-hours)	Actual Effort per Task (in man-hours)	Done (yes/no)	Notes
As a DNA researcher, I want to have semantic zooming So that the information displayed is always relevant	Implement the better segment positioning algorithm	Ali Smesseim	20	22	yes	
	Fix bugs and improve the bubble detection algorithm	Ravi Shivam Autar	25	20	yes	
	Classify the level of the bubbles	Kamran Tadzjibov	15	25	no	See problem 1
	Show the correct level at the client	Samuel D. Sital	17	4	no	Depended on the previous task, therefore not finished. Samuel was reassigned to another task
As a DNA researcher, I want to see the higher level structure of the graph in the minimap So that the context doesn't get lost when zooming in	Calculate the ribbon based on the segment positions	Adam el Khalki	14	12	yes	
	Integrate the ribbon in the minimap	Adam el Khalki	11	12	yes	
As a DNA researcher, I want to display large datasets (database is required for this) So that the datasets can be analyzed	Update the database with the newly calculated node info	Ali Smesseim	5	4	yes	
	Expose the database functions to the code	Samuel D. Sital	8	8	yes	
	Use the database functions in the code	Samuel D. Sital	10	8	yes	

## Main Problems Encountered

### Problem 1

Description:

The bubble classification algorithm works mostly, but still has some cases where it does not work. Therefore, it was not included in the demo.

Reaction:

As the bubble classification algorithm seems to be almost finished, we will continue to work on that. Additionally, we will try to simplify the current algorithm so that it detects simpler bubbles (for we believe that the algorithm works). This serves as a plan B in case the actual algorithm does not work.