

# Sprint Retrospective, Iteration #8

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

| User Story   | Task  | Task Assigned To  | Esmitated Effort per Task<br>(in manhours) | Actual Effort per Task<br>(in man-hours) | Done<br>(yes/no) | Notes |
|--|---|-------------------|--|--|------------------|-------|
| As a DNA researcher,<br>I want to have visual encodings for different classes of mutations<br>So that changes in phenotype can more easily be understood | Identify different types of mutations             | Kamran Tadzjibov  | 12   | 12                                       | yes              |       |
|  | Visually distinguish different types of mutations | Ali Smesseim      | 15   | 14                                       | yes              |       |
|  | Filter based on mutation type                     | Ravi Shivam Autar | 22   | 24                                       | yes              |       |
|  | Implement navigation based on metadata            | Adam + Ali        | 10 + 5                                     | 13 + 7                                   | yes              |       |
| As a DNA researcher,<br>I want to see information about the genes<br>So that the genes can be understood better  | Enable highlighting of metadata (genes)           | Kamran + Ali      | 12 + 5                                     | 15 + 5                                   | yes              |       |
|  | Show gene annotations on the nodes                | Adam + Ravi       | 15 + 3                                     | 15 + 5                                   | yes              |       |
|  |   |                   |  |  |                  |       |
| As a DNA researcher,<br>I want to have a user-friendly application<br>So that the application is more easy to use  | Conduct interviews to measure interaction design  | Samuel D. Sital   | 10   | 10                                       | yes              |       |

## Main Problems Encountered

### Problem 1

Description:

Reaction:

### Bugs

This sprint a lot of new features were implemented. These feature were not thoroughly tested, and therefore contained some bugs.

The remaining time will be spent on polishing the application and fixing the bugs.

### Problem 2

Description:

Reaction:

### Alternative positioning

We have also developed an alternative positioning algorithm. Whether or not this works on TB328 has to be researched.

We will research the alternative positioning algorithms, and if it works, integrate it in the main application.