

# Sprint Backlog, Iteration #6

| User Story   | Task   | Member responsible for the task | Task Assigned To  | Esmitated Effort per Task (in manhours) | Priority (A—E) (A is highest) |
|--|--|---------------------------------|-------------------|---|-------------------------------|
| As a DNA researcher,<br>I want to highlight specific genomes and lineages<br>So that the subjects I'm interested are distinct                        | Implement genome highlighting                                | Adam el Khalki                  | Adam el Khalki    | 6                                       | B                             |
|  | Implement lineage highlighting                               | Adam el Khalki                  | Adam el Khalki    | 12                                      | B                             |
|  |  |                                 |                   |   |                               |
| As a DNA researcher,<br>I want to have a fast application<br>So that even larger datasets can be analyzed  | Increase the performance of the web app                      | Ali Smesseim                    | Ali Smesseim      | 16                                      | B                             |
|  | Decrease the memory usage of the server                      | Ali Smesseim                    | Ali Smesseim      | 8                                       | E                             |
|  |  |                                 |                   |   |                               |
| As a DNA researcher,<br>I want to be able to quickly navigate to interesting positions<br>So that these positions can easily be found and researched | Implement jumping to specific base                           | Kamran Tadzjibov                | Kamran Tadzjibov  | 8                                       | B                             |
|  | Implement navigation based on metadata                       | Ravi Shivam Autar               | Ravi Shivam Autar | 16                                      | D                             |
|  |  |                                 |                   |   |                               |
| As a DNA researcher,<br>I want to have semantic zooming<br>So that the information displayed is always relevant                                      | Classify the level of the bubbles                            | Kamran Tadzjibov                | Kamran & Ali      | 20 + 4                                  | A                             |
|  | Integrate the bubbles into the web app                       | Adam el Khalki                  | Adam el Khalki    | 10                                      | A                             |
|  |  |                                 |                   |   |                               |
| As a DNA researcher,<br>I don't want to see graphical quirks and noises in the graph<br>So that the graph is easier to understand                    | Remove simple bubbles from the graph                         | Ravi Shivam Autar               | Ravi Shivam Autar | 6                                       | B                             |
|  | Only zoom horizontally (opt. by selection from minimap)      | Ravi Shivam Autar               | Ravi Shivam Autar | 6                                       | C                             |
|  | Base the horizontal distances on segment size                | Samuel D. Sital                 | Samuel D. Sital   | 10                                      | D                             |
| As a DNA researcher,<br>I want to see the phylogenetic tree and interact with it<br>So that the graph can be interacted with using phylogeny         | Integrate the phylogenetic tree into the web app             | Samuel D. Sital                 | Samuel D. Sital   | 6                                       | B                             |
|  | Trigger actions (e.g. highlighting) upon proper interactions | Samuel D. Sital                 | Samuel D. Sital   | 12                                      | C                             |
|  |  |                                 |                   |   |                               |

Context Project: Programming Life

Group: Byzantine Generals (PL1)