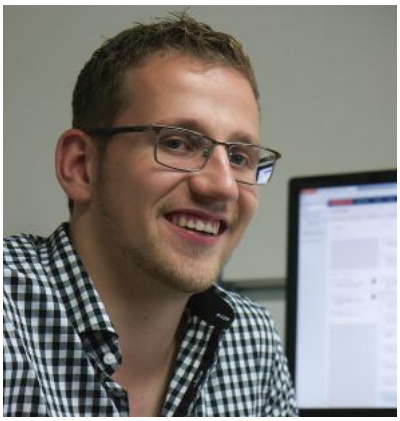
# LifeTiles



**Jos Winter**

**Joren Hammudoglu**

**Rutger van den Berg**

**Albert Smit**

**Arjan Langerak**

## Sprint goal

## Sprint backlog

| User Story | Task | Assigned to | Estimated effort | Actual effort | Finished | Notes |
|---|---|---|---|---|---|---|
| As a user I want to be able to see as much interesting information as possible | Only draw sufficiently interesting nodes. This varies per zoom level. | Rutger | 4h | 0h | no | Other tasks had higher priority |
| | MiniMap (50% done) (Scrollbar colors indicating interestingness) | Joren | 8h | 24h | yes | Took longer because obtaining and overriding a scrollpane scrollbar in JavaFX is not API. |
| | • Annotations (a list to go to both drug and gene related annotations)<br>• Snap to annotation<br>• Bookmarks (user annotations) | Albert, Jos | 8h<br>8h | 16h<br>16h | yes | Parsing of genomes and visualization of annotations is implemented. List of bookmarks is also implements, no user created bookmarks |
| | Tree colors stay the same after filtering | Albert | 4h | 0h | no | Won't fix, low priority. |
| | Loading indication | Joren | 4h | 0h | no | No, low priority |
| | Undo filter | Rutger | 4h | 2h | yes | Was very simple. |
| | Color legend for graph | Rutger | 2h | 0h | no | Other tasks had higher priority |
| | Zoom on mouse location | Arjan | 2h | 0h | no | problems with vertical height fitting |
| | Settings for what 'interesting' feature is more important | Joren | 4h | 0h | no | Because of dependency on annotations, which was not finished in time. |

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|---|---|---|---|---|---|---|
| | Switch bar chart to logarithmic scale so that smaller differences are easily visible. Includes option to switch between linear and logarithmic. | Jos | 4h | 0h | no | Won't fix, low priority. |
| | Make large nodes with all sequences smaller (horizontally) | Jos | 4h | 6h | yes | Large nodes with all sequences are now drawn as gray segments with the base size as text in the segment. Process took more time than expected. |
| | Fit the graph vertically in the view | Arjan | 8h | 2d | no | Turns out, this is really hard since objects can´t be resized so correct height for all tiles need to be calculated and code is not setup to support this easy. |
| | Sequence highlighting | Rutger | 4h | 0h | no | Other tasks had higher priority |
| | Selective edge drawing | Arjan | 4h | 0h | no | dropped edges, don´t improve visuals |

## Main Problems Encountered:

### Problem 1

Description:

Finishing the final report and the emergent architecture design document took more time than expected.

Reaction:

Did cost a lot of time which we could not use for the remaining tasks.