

Facilitator: Hugo Ekstrand

Participants: Hugo Ekstrand, Love Gustafsson, Elias Ersson, Isak Gustafsson

Date: 2021-09-23

Meeting Agenda

Group meeting for group C7

§1 Objectives

- Can property be integrated into everyone's code now.
- Performance is becoming bad; how do we fix it?

§2 Reports

Hugo Ekstrand:

- Worked on ITool refactor and implementing the property system into tools.

Love Gustafsson:

- Worked on the LayerManager and the transform for ILayers.

Isak Gustafsson:

- Tests for IO and an IO method for the resource folder.

Elias Ersson:

- Implented ToolProperties in view so that a tool's e.g. size may be changed in runtime.

§3 Discussion Items

- Is there any issues with properties?
- Performance will be improved by only redrawing areas on the canvas which has been changed. But how to inform view what has been drawn?
 - Should ITools keep track of which pixels have been drawn.
 - Should ILayer?
 - Or should the LayerManager do it?
- We discussed layer manager:

§4 Outcomes and assignments

Outcomes:

1. There are issues with properties. It appears it doesn't always update the tool.
2. We decided that ILayer should keep track of changes and LayerManager should inform the view of the area to update.

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3. We made a sketch of how ILayerManager should look and looked more closely at its responsibilities and what it should allow the controller/view to access.

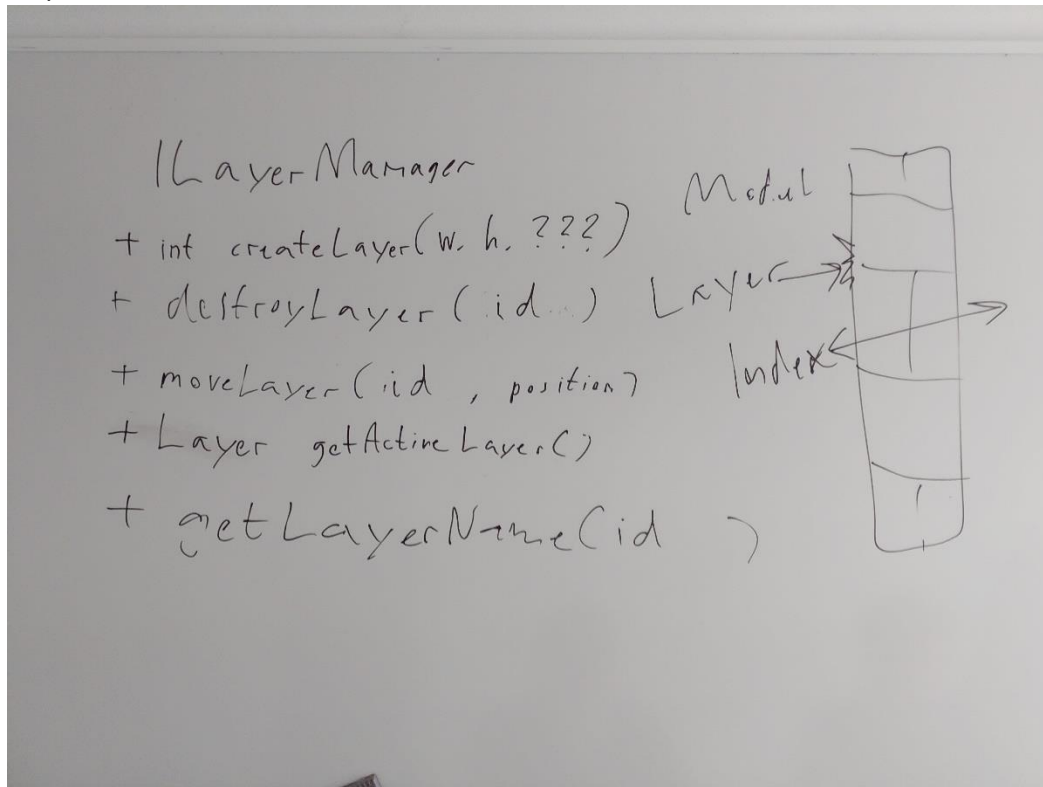


Figure 1. A sketch of the ILayerManager class and how the interface's customer should only be able to access ID:s/indexes of its composing ILayers.

Assignments:

Hugo Ekstrand:

- Will write some more tests for IToolProperty and IPattern.

Isak Gustafsson:

- Will integrate image importer into GUI so that an image can be imported by the user.

Everyone else will continue with what they were working last time.

§5 End of Meeting

Next meeting is with a supervisor on Friday 2021-09-24 13:00 at M1203B.