

#Meeting Agenda

Group: 20

Date: 10/10/18

Chair: Anthony T

Secretary: August S

Participants: August S, Henrik T, Hampus E, Anthony T

Objectives (5 min)

Discuss how to refactor code in order to follow SRP better.

Are there other design patterns we can make use of?

Other current design issues?

Report

- Henrik continued his work on the select tool. It is now possible to select an area.
- August worked on property testing and line tools. He also refactored code and created a new class which removes the previous use of "instanceOf".
- Hampus has been working on save/load functionality.
- Anthony made the layers arrangeable.

Discussion items (35 min)

Discuss how to refactor code in order to follow SRP better.

- ImageModel has too many responsibilities
- Tools don't take enough responsibility
- New class in model?

Are there other design patterns we can make use of?

- Facade?
- Singleton?
- Strategy?
- Mediator?
- Factory maybe in the future

Other current design issues?

- Circular dependency between tools and imagemodel.
- Tools

Outcomes and assignments (5 min)

Discuss how to refactor code in order to follow SRP better.

- We need to define the purpose of several classes better or atleast reflect over the current one. ImageModel is one class that does too much and therefore we need to divide it. There is also a design flaw

with some tools not doing enough/being treated differently. The consequence is other classes doing work which they shouldn't. We think a new class is needed for "administration" of the model. This class should serve as the commander which delegates tasks based on requests.

Are there other design patterns we can make use of?

- We have discussed several patterns but we are not yet sure of what will be optimal. We will hopefully get clarity on the next supervisor-meeting and while working on refactoring.

Other current design issues?

- We have circular dependency between tools and ImageModel, this will be eliminated by not letting the tools execute the actual task. Instead they should help by returning "the answer" on what to do.
- Exactly what a tool is and what course of action it should follow is not well defined enough. For example, does the zoom function have to be an actual tool in the implementation model? If there is another way that makes more sense, implementation wise, then we should consider it.

August will continue working on line tool, testing and refactoring.

Henrik will continue working on the select tool but also focus on non-programming work (SDD etc).

Hampus will continue implementing save feature but also focus on optimization and refactoring.

Anthony will work on testing and non-programming work.

Everyone has to contribute to the SDD.

Wrap up

Unsolved issues for next meeting:

- N/A

Next meeting: Sunday 14/10-2018