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# THESIS MONTHLY PROGRESS REPORT

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# Contents

0.1	Progress During December . . . . .	2
0.2	Milestones for current month . . . . .	3

## **0.1 PROGRESS DURING DECEMBER**

### **In General:**

- Started restructuring the codebase.
  - Dividing Code elements to smaller components.
  - Father Components as Classes, kid components as React functional components.
- Working on the integration of spectacle-editor editing functionalities in Slides app.

### **How Does Slides App work:**

- Set an Element called Canvas, an interactive area, where user can modify his presentation, and two sidebars, one for general functions for the whole presentation(save, import, export, etc), and one specific for editing each slide.
- In the Canvas, render the current slide and all of the Components (Text, Image, etc) that it consists of.
- These information are all stored in the Redux store.
- If user adds, deletes or changes something in this Canvas area, an action is emitted to update the Redux state.
- To help editing of the slide, I add functionalities like, snap-lines, drag-n-drop, resize.
- When user wants to go to next slide, canvas render it and can be edited.
- The whole application is built around the transactions with the Redux store.

## **0.2 MILESTONES FOR CURRENT MONTH**

- Continue restructuring codebase, this is very demanding and important so that the code is readable and maintainable from other people in the future.
- Continue the integration of the spectacle-editor.

### **Still pending for the following months:**

- When the above is achieved and editing and moving text is working properly, I will do the same for: images, code-blocks. Investigate if there is interest in adding scientific plots in presentations (plot.ly integration ). Also integration with Markdown and  $\text{\LaTeX}$  would be possible.
- Try to save presentations locally and load them back.
- Try exporting PDF of the presentation.