
THESIS MONTHLY PROGRESS REPORT

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0.1 PROGRESS DURING OCTOBER

In General:

- Investigation of Open Source Alternatives for Slides (Presentations) creation.
- Preparation of the new Slides Application. (Full Stack, with React Front-end and the newest technologies available).
- Acquire CERN web site -> cern.ch/slides, to host our application.
- Private GitHub Repository with often commits here : [iPresent](#).
- Polled CERN Users to ask what features they need while making Slides. Responses can be found: [here](#)

About Slides Application, many projects were evaluated.

Firstly, Kreator.js project was considered.

It is a project built on top of reveal.js with very poor UI, functionality and very old technologies.

Not a good idea to work on top of it and improve it, because it was very difficult, I would have to use very old unmaintained technologies, so, this idea was abandoned.

Research about something better or start from scratch using reveal.js.

I found Spectacle which is a very powerful, modern, maintained, OpenSource React library which provides React Components like (Slide, Deck, Text, Image, Code, etc) and is able to translate React code to beautiful Presentations.

This is so important, because I was about to use React to build this application and this library provides the best interface for React.

That was a big breakthrough.

I started creating the Frontend of the Application, but the State between the Components started to become more and more complex so I used Redux, a state management tool for React.

After this, I also realized I will need Backend, Authorisation and Storage for my application and all these should be taken into account from the beginning. So, I took this React Full Stack boilerplate project and integrated my Frontend in it.

Current State of tools and repositories

1. Libraries: react-rnd (drag and resize boxes), redux (state management), semanti-ui (frontend design), spectacle (react presentation components)

2. Frameworks: React, React Full Stack boilerplate project is the base of the application.
3. Languages: Javascript ES6
4. Repository: iPresent.

0.2 MILESTONES FOR CURRENT MONTH

- Clarify User requirements and more desired features.
- Clarify how and where to store presentations.
- Clarify how people will be authorised and authenticated.
- Develop basic features of every Slides Presentation Software.