Project proposals
⇢ Building a reveal.js editor

- The reveal.js allows for browser based presentations

- Using HTML 5, CSS 3 and JavaScript

- Extensible plugin architecture

- Touch support

- Customizable transitions
- Vertical slides
- Code highlighting by virtue of highlight.js
- Code animations

- Slides overview

- Auto animations across slides

- Touch support

- Fragments

- Configurable slide transition styles

- Configurable backgrounds and transitions
- PDF handouts (Do you really need those??)
- Custom events supporting own extensions
- Markdown support
- Mathjax based math support

reveal.js observations

- Low level HTML / JavaScript editing

- Direct editing unsuitable for non-programmers

- Alternative: Slides editor (commercial)

Authoring tool project goals

- Creating an XML editor providing a restricted feature set

- Generating reveal.js presentations based on profiles

- Support for images, animations, source code and math.

Project proposals
⇢ Authoring journey descriptions

Principle

- Defining suitable assets and related RelaxNG schema

- Implementing an editor by means of CSS

- XSLT transformation to HTML 5 / CSS 3 / Javascript

Required / to be acquired skills

- Web design featuring prototype development

- RelaxNG schema design

- XSLT

Overview

Project proposals
- ➡ Gitlab pages integration of Docbook

Principle

- XSLT transformation docbook to webhelp.

- Abstraction by using docker

- Publishing to gitlab pages on release / tag events.

Project proposals
- ➠ Codingbat reloaded

Codingbat: Desired features

- Training exercises providing automated feedback

- Multiple language support: SQL, XML Schema, Java™ OO, ...

- Target language independent authoring interface

Project proposals
    ⇢ XML based exercise compilations

Desired features

- Exercise definitions for E-learning contexts.

- Reusable asset definitions.

- Animated presentation of solutions.

- Step by step explanations