

Overview

Project proposals

- ➡ Building a reveal.js editor

reveal.js authoring tools: Principle

- 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

- 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

- 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

Project proposals

- ➡ Gitlab pages integration of Docbook

- **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