reStructuredText to LectureDoc^2 (`rst2ld`)

rst2ld enables the conversion of lecture slides authored in reStructuredText to LectureDoc2 format.

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Getting Started - Setup a Project

1. create a directory in which you want to store your slides; e.g., `mkdir slides`
2. change to the directory: `cd slides`
3. initialize git: `git init`
4. add the *LectureDoc2* and *restructuredTextToLectureDoc2* projects as submodules:
   - `git submodule add https://github.com/delors/LectureDoc2`
   - `git submodule add https://github.com/delors/reStructuredTextToLectureDoc2`

Getting Started - Optional

1. add a script to (automatically) generate slides (e.g., https://github.com/Delors/Lectures/blob/main/generate-htmls.zsh)
2. add `docutils.conf` (e.g., https://github.com/Delors/Lectures/blob/main/docutils.-conf) when necessary ; i.e., if you have mathematical (`.. math::`) expressions in your slides and want to refer to a specific version of MathJax.
3. add a `docutils.defs` (e.g., https://github.com/Delors/Lectures/blob/main/docutil-s.shared.defs) when you want to create a lecture material and want to (re)use a large number of usefull definitions across multiple documents.

   (You need to explicitly import the document in each presentation using: `.. include::` `docutils.defs` - adapt the path if necessary).
4. add `.gitignore` file with `\*.rst.html` if you don't want to archive the generated web pages

Generating PDFs

In general, PDFs are generated by converting the HTML files to PDFs using a browser. As of 2024, Safari has the best support for printing HTML to PDF (don't use the `Export as PDF...` feature; use `Print` → `PDF`). Chrome works in most cases reasonably well, Firefox often fails miserably.

A script (https://github.com/Delors/Lectures/blob/main/generate-pdfs.zsh) for generating PDFs using Safari (tested on Mac OS 26 (Tahoe)) is available. This script requires that LectureDoc is found in the `LectureDoc2` subfolder. This script basically automates Safari by simulating user input. Hence, don't use your Mac while the script is running.