

# DIY eBooks Using Open Source Tools

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# Session Overview

- Purpose
- Design and development decisions
- Open resources to create eBooks
  - Utilize Sigil to create an EPUB file
- Demo
- Implementation and evaluation
- Q&A

# Poll

- How many of you have heard of EPUB?
- Consumed an EPUB?
- Created an EPUB?

# Why EPUB?

- Mobile native format
  - Keyword searching
  - Glossaries
  - Highlighting
  - Zooming
- Wider audience

# What is the Purpose?

- Replacement of current textbook
- Supplement
- Stand alone resource for field work
- Online vs. offline
- Dynamic vs. static
- Relationship to LMS



# Create/Gather Content

- Use existing materials
  - Keep copyright in mind!
- Search for materials
  - OER Resources (see resource)
- Build from scratch





# Design

- Organization
  - Decide on scheme (chapters, sections, topics)
  - Outline
  - Keep all materials in one folder
- Time commitment



# Poll

- How many of you have used styles and formatting in a word processor?

# Format Content

- Text in word processor
  - Organization/Accessibility
    - Apply heading styles
    - Alt text for images
    - Bulleted lists, tables
  - Insert placeholder for images/audio/video
  - Font style
    - San serif
    - Text size is controlled by the user

# Prepare Media

- Resize images
- Trim audio/video clips
- Save as recommended file types
  - Audio: mp3
  - Video: mp4
  - Images: jpegs and png



**MPEG Streamclip**



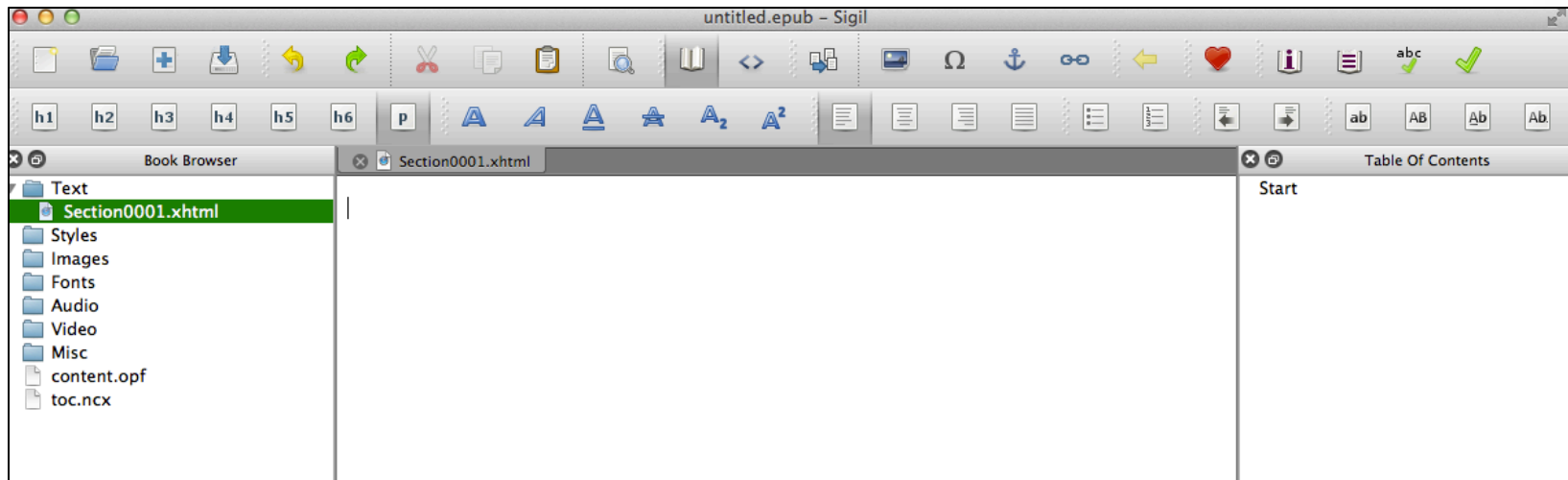
**HandBrake**

The open source video transcoder

# Develop

- Now you are ready to start developing your eBook!

# SIGIL



# Demo

- Open Sigil (brief what is Sigil)
- Open Office Copy/Paste Text(have all text on 1 doc)
- Show how formatting transferred – briefly mention tools in sigil to adjust formatting (headings, code view, lists) Tabs!
- Edit Spacing
- Spilt sections into different documents (rename HTML files to show)
- Add images/audio/video (mention CC)
- Add Anchor tags to footnotes
- Build TOC
- Add Metadata
- Add Cover
- Save

# Implementation

- Student must have an app on a device or Radium installed on their computer
- How will students receive the EPUB ?
  - Public (on a website or Apple/Google store)
  - Private download (through LMS or password password protected website)
- Digital Rights Management (DRM) is not supported with Sigil

# Evaluation

- Survey students
- Reflect on design/development process
- Refresh cycle



# Q&A

# Contact

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