



EPUB 3

today and tomorrow

SMART on ICT 2012 International Open Forum

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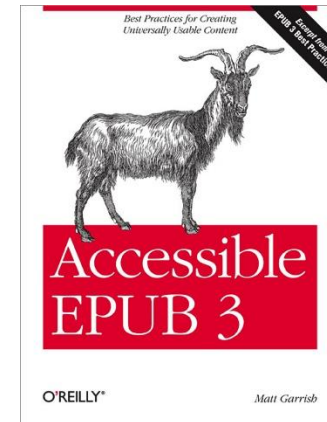
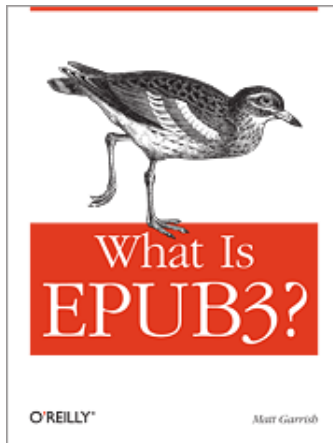


2013: Delivering on the Promise of EPUB 3 as Portable Documents for the Open Web Platform

- Best practices documentation, samples, training
- Standards evolution
- Tools
- Collaboration with other stakeholders
- 2013-14: additional focus on textbooks and e-learning



EPUB Best Practices Documentation





Standards: modular Development of New EPUB Capabilities

- Fixed-layout Metadata
- Adaptive layout
- Dictionaries
- Indexes
- Advanced/Hybrid Layout
- Annotations
- Lightweight content protection?

March 2012: Fixed Layout

<http://idpf.org/epub/fxl/>





September 2012: Adaptive Layout

- Adaptive print-fidelity layout
 - Magazines, textbooks, cookbooks, travel books, et al
- CSS Regions
- CSS Exclusions
- Page templates in CSS (-epubx-)
- Adobe in-design CS6 (“Liquid Layout”)
- Accessibility
 - Migration from Fixed Layout?

<http://idpf.org/epub/pgt/>





ePUB

of our papers had been picked up by the AP and had spread worldwide. We did interviews for newspapers and radio stations all across the country and at least one radio station in Canada.

With all the exposure it wasn't long before we were made aware that the record of 120 hours had been broken already. A few emails and phone calls later and we found out that two State Farm agents from Texas held the last record certified by Guinness of 118 hours. That was quite a downer. We had followers counting on us to break the record and we had figured everything on a faulty premise.

We resolved to just keep at it and hope for the best. We received lots of encouragement from friends, family and fans and we couldn't let them down. After

"To anyone we inspired, thanks."

many miles and a few adventures (which can be found here) we finished our crazy trip at four corners. We beat our expectations by a long shot, hitting all 48 contiguous states in 106 hours and 43 minutes. Even though we had five more hours of driving to get home, we were ecstatic.

After we wrapped up we found out how many people had heard about our Great American

Road Trip. We had as

many as 25,000 hits on this site in a day from dozens of countries from every continent except Antarctica. We were mentioned in magazines ranging from a Christian Magazine to Car and Driver. We continued to do interviews and we found news articles in Chinese, German, and many other languages. We were astounded.

So many people connected with our trip in so many ways and we have been an inspiration to many to hit the road or follow their dreams. Some of those we inspired were inspired to beat our record and accomplished just that. The trip was great, the sense of accomplishment was wonderful but knowing we might have made a difference in someone's day, let alone life, is better than any record.

To anyone we inspired, to all those that enjoyed our journey, to our families and to our friends, thank you.





ePUB



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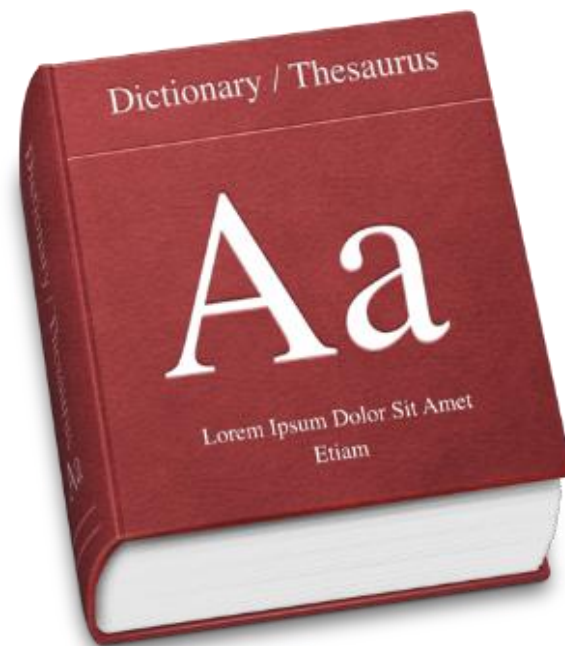
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ePUB

Dictionaries & Glossaries

- Typical “system-level” dictionary not sufficient
 - Children and levels of reading/understanding
 - Language learning
 - Specialized fields (law, medicine, etc.)
 - Glossaries, Dictionaries, Bilingual Dictionaries, Thesauri: publisher opportunities
1. Read “as any other book”
 2. Integrate as a lookup service
 3. Semantics allowing accessibility and usability



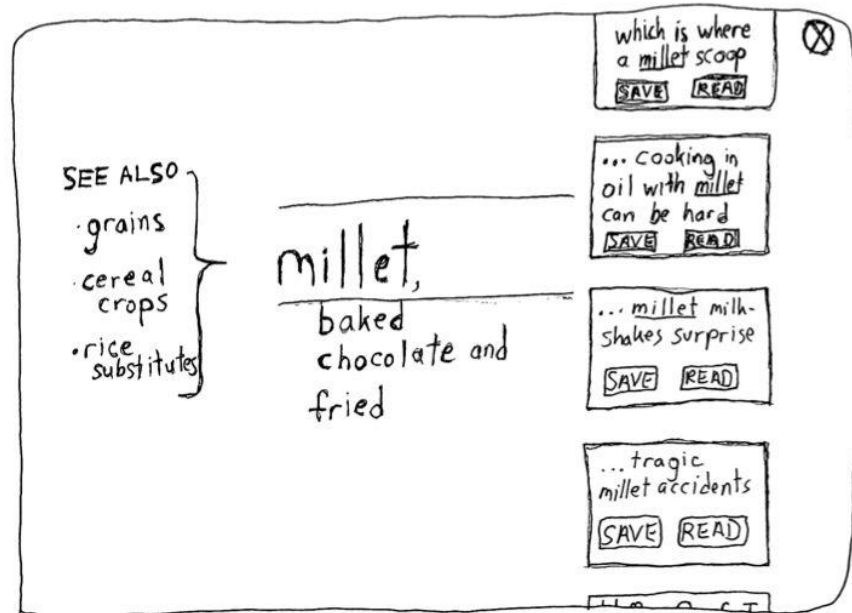
<http://code.google.com/p/epub-revision/wiki/DictionaryMainPage>



Indexes

“... offer readers an interaction with content that is enhanced, more powerful, and more specific than simple search.”

<http://code.google.com/p/epub-revision/wiki/IndexesMainPage>



Linking & Annotations

- Interoperable annotations
 - <http://www.openannotation.org/>
 - W3C Open Annotation Community Group
 - NISO Working Group
- Inter-publication linking

Advanced Hybrid Layouts

- Multiple Renditions
 - Multiple root files (package documents)
- Rendition selection
 - ... by language, device characteristics, etc
- Rendition mapping
- Panel-by-panel navigation and hotspots

<http://idpf.org/charters/2012/layout/ahl.html>

Lightweight Content Protection?

- Developed RFP and presently evaluating solution proposals
- Interoperability is key motivator
 - ... as is the reduction of single-vendor dependencies
 - Would not prevent DRM-free from being the ultimate goal
- “Lightweight” as in
 - Implementation
 - User experience
 - Intrusion
- Could reframe as Radium feature

- Development expected to start late 2012
- In parallel with ISO TS standardization
- Primary Focus on errata, clarifications and reference updates



Tools: IDPF Open Source Activities

- EPUBCheck 3.0 validation
 - <http://validator.idpf.org>
 - <http://code.google.com/p/epubcheck/>
 - Looking to add preflight & accessibility checking
- EPUB 3.0 samples project
 - <http://code.google.com/p/epub-samples/>
 - Evolving to Reading System compliance test suite
- Radium reference system



<Radium>

- Open source implementation of EPUB 3 via browser
- Launched Feb, 2012, initially as Chrome extension
- Initial goal was a reference system showcase/testbed
 - Nearing complete EPUB 3 feature support
 - Two Radium-based pilots already live
- Looking to productize / SDK-ize

<http://readium.org/>



EPUB 3 Conformance Testing

- Instigated by need to verify Radium conformance
- Call for participation will be made this week with initial deliverable based on EPUB 3 samples open source project
- Testing EPUB 3 specific feature support as well as other Open Web Platform support
- *Will enable “rating” and comparisons of Reading System conformance levels*

Tools: what's missing?

- Authoring
 - Authoring tools for all types of workflows
 - Better validation tools, QA
- Consumption
 - Conformance measures
 - Ubiquity on all platforms

- Engagement with related organizations
 - Deepening collaboration with W3C to advance underlying Web Standards
 - Contributing to NISO effort to standardize annotations & bookmarks
 - Working towards ISO-level standardization of EPUB
 - Working with DAISY to advance accessibility support in ecosystem
 - Collaborations w/ BISG inc. EPUB 3 Support “Grid”
 - Fostering integration with eLearning standards (IMS Global) to promote EPUB adoption in education market

Get involved!

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- Membership and operations issues
 - membership@idpf.org
 - All issues around invoicing, contact information, etc.
- George Kerscher – Board President (DAISY Consortium)
 - kerscher@montana.com