

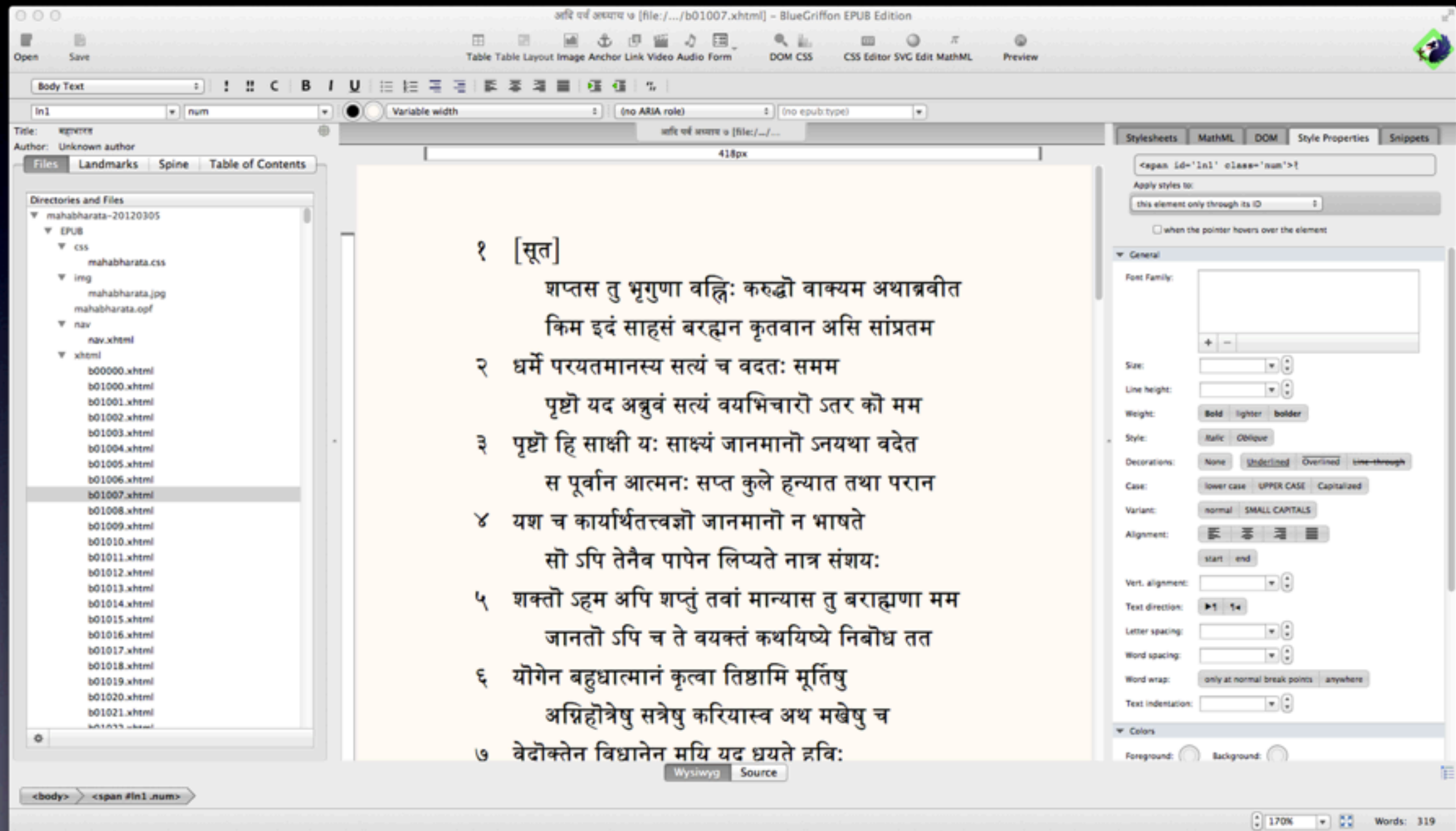
The Good and the Bad in EPUB3

Relationship with W3C

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BlueGriffon Epub Edition



<http://bluegriffon-epubedition.com>

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BGEE Requirements

- No proprietary pivot format, EPUB only
- EPUB2 and EPUB3
- Conformance to standards
- No direct XML manipulation, UI for everything

EPUB 3, the specs

- Based on several XML dialects
- Important changes between EPUB2 and 3
- Profile of CSS with a few EPUB-specific extras
 - Drafts temporarily considered as RECs
 - Lack of unitary tests
 - Rather important inconsistencies or underspecifications

Non-normative references

Publications 3.0	CSS 3 Fonts HTML5	WD WD
Content Documents 3.0	HTML5 CSS 3 Fonts CSS 3 Ruby CSS 3 Speech CSS 3 Text CSS Writing Modes Accessibility Features of SVG	WD WD WD, obsolete WD WD WD Note
Adaptative Layout	CSS Regions CSS Exclusions CSS 2D Transforms	WD WD WD

XML files #1

- OPF
 - useless manifest?
 - too many TOCs
 - ID/IDrefs
 - Heavy usage of namespaces
 - Properties to avoid parsing

XML files #2

- Very complex refinable metadata with chaining mechanism based on ID/IDREF
- URI management is painful
- Complex management of property vocabularies

XML files #3

- Compatibility between EPUB versions is a myth
- iBooks & iBooks Author have fragmented this even more

Content documents #1

- No default rendering for elements in the epub namespace
- EPUB3 refers to html5 but this was a WIP
- Extra Schema for html5 that editing tools don't use
- Is really `epub:trigger` needed?

Content documents #2

- Meaningful `<link>` classes (*AltStyleTags*)
- CSS profile based on WDs that were not implemented yet!
- Extra properties and values
- Adaptative Layout...
- Ruby...

EPUB...

- Should be, IMHO, about packaging Web Standards only
- Should use only html5, allow both serializations?

Other resources

- JavaScript, for interactive books
- SVG for vectorial graphics
- MathML for scientific documents
- WhateverML for whatever documents ?

Files Landmarks Spine Table of Contents			
Href	Title	Hidden	
wasteland-content....	I. THE BURIAL OF THE D...		
wasteland-content....	II. A GAME OF CHESS		
wasteland-content....	III. THE FIRE SERMON		
wasteland-content....	IV. DEATH BY WATER		
wasteland-content....	V. WHAT THE THUNDER...		
wasteland-content....	NOTES ON "THE WASTE ...		

TOCs

File path: EPUB/cover.xhtml

Id: cover

Media type: application/xhtml+xml

Properties:

Fallback: (no fallback)

Media overlay: (no media overlay)

Cancel OK

Manifest, fallbacks and friends

Prefix	URI
+	-
Metadata and Properties	
Name	Value
▼ Title	Children's Literature
Id	t1
Title type	main
Rendering order	1
▼ Identifier	http://www.gutenberg.org/ebooks/25545
Id	id
Language	en
▼ Title	A Textbook of Sources for Teachers and Teacher-Training Classes
Id	t2
Title type	subtitle
Rendering order	2
▼ Creator	Charles Madison Curry
Id	curry
File as	Curry, Charles Madison
▼ Creator	Erle Elsworth Clippinger
Id	clippinger
File as	Clippinger, Erle Elsworth
Date	2008-05-20
Subject	Children -- Books and reading
Subject	Children's literature -- Study and teaching
Source	http://www.gutenberg.org/files/25545/25545-h/25545-h.htm
Rights	Public domain in the USA.
Last modification	2010-02-17T04:39:13Z
+	-

Metadata

Convergence

- EPUB is one of the best examples of aggregation of all Web Standards in one single instance
- Voice, sound, sync, fallbacks...

W3C+ ?

- HTML5 as a REC
- CSS Regions, Exclusions, Page Templates, Grids, Flexbox, Writing Modes, Text, Fonts and improved Paged Media as RECs
- Better ArchiveAPI for zips
- ...

EPUB 3+ ?

- Get rid of proprietary XML dialects
- EPUB Object Model Core Level 1
- Tests and retests

Thank you !

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