Overview of oXygen XML Editor 17

George Bina

oXygen XML Editor 17

Release notes available online at

http://www.oxygenxml.com/ whatisnew17.0.html

Useful information

- Yes, we will record the webinar!

- Ask questions anytime in the Questions panel
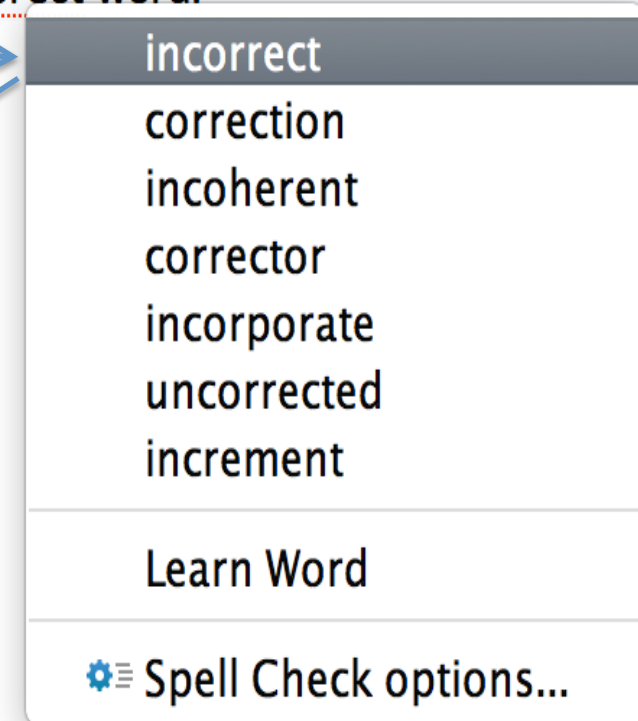
- Use #oXygenXML for webinar related tweets

Automatic error fixes

- ## What are Quick Fixes?

This is an incorect word.

This is an incorect word.

| incorrect |
| correction |
| incoherent |
| corrector |
| incorporate |
| uncorrected |
| increment |
| Learn Word |
| ⚙ Spell Check options... |

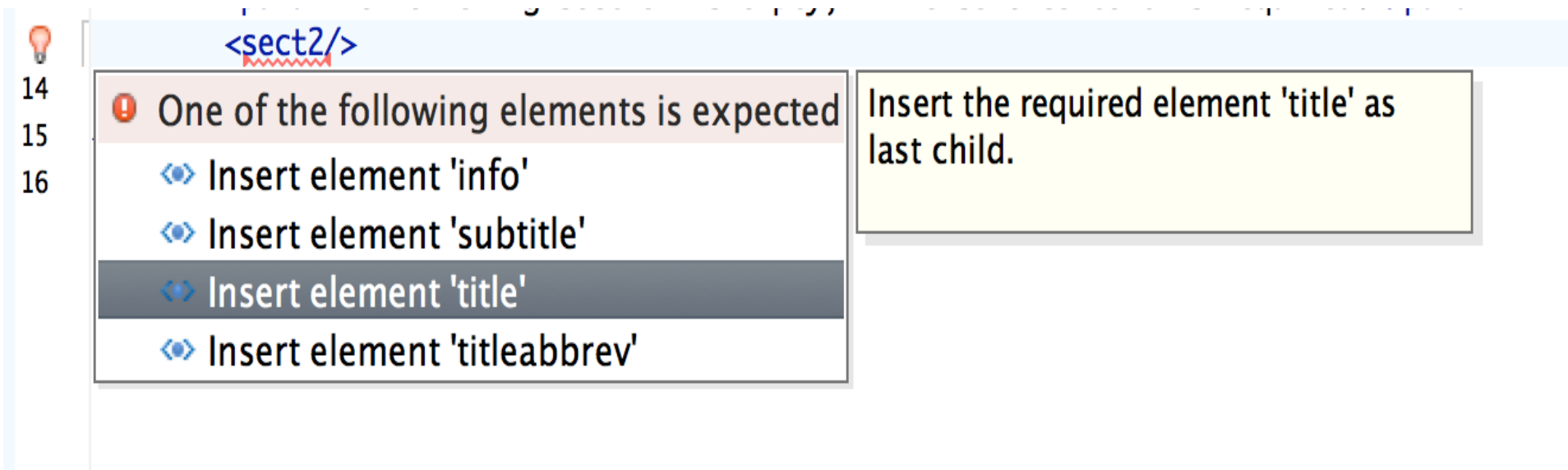This is an incorrect word.

Quick Fixes in oXygen

- ## Already available in oXygen 16
  - XSLT
  - Ant scripts
  - XML validated with XML Schema

- ## New in oXygen 17
  - XML validated with Relax NG
  - XML validated with Schematron

Fixing Relax NG validation errors

QF examples:

– Add required content

– Remove invalid content

Schematron Quick Fixes

- Part of "Guided XML Authoring"
- Custom fixes within the Schematron schema
- SQF initiated by Nico Kutscherauer/data2type
- Quick-fix for XML - W3C Community Group

  https://www.w3.org/community/quickfix/

SQF really helps!

TEI community,

Since it hasn't yet been mentioned, I thought it worthwhile to highly recommend oXygen 17's new feature providing support for Schematron Quick Fixes (http://www.schematron-quickfix.com).

Some of you may recall an earlier discussion on normalizing Unicode, and the Schematron pattern I offered. That was fine insofar as it identified and located the problem, but it offered no fixes. SQF does just that. Tonight I put together a very simple but powerful SQF that allows a user with two mouse clicks in oXygen to change the errant text of an element into normalized Unicode. I wrote three more SQF patterns to fix editing that was previously took around a minute per change (to look up a value, copy, return where I was originally, and paste it). I think the potential benefit to TEI projects, especially in communicating choices and options to project participants, is quite impressive.

Kudos to Syncro Soft! (See their demo video here: http://www.oxygenxml.com /demo/Schematron_Quick_Fixes.html)

Best wishes,

jk
--
Joel Kalvesmaki
Editor in Byzantine Studies
Dumbarton Oaks

AutoCorrect

- teh → the

- (c) → ©

- xml:lang aware

More about Quick Fixes

W3C community group

https://www.w3.org/community/quickfix/

SQF

http://www.schematron-quickfix.com/index.html

http://schematron-quickfix.github.io/sqf/spec/SQFSpec.html

Webinar

May 27

oXygen XML Editor 17 - XML Quick Fixes

See all events at:

http://oxygenxml.com/events_programme.html

Process XML with XSLT and XQuery

XSLT and XQuery are the best XML processing languages...

...but we cannot just apply transformations, because we need to:

- preserve attributes order
- preserve DOCTYPE declarations
- preserve entities
- etc.

XML Refactoring

Apply XQuery Update based operations

- in a "safe" mode, preserving attributes order, DOCTYPE declarations, etc.

- configure parameters easily

- on a set of files (scope)

- present a preview of changes about to be made

XSLT support is planned for the next release

XML Refactoring

More about XML Refactoring

Webinar

June 3

[oXygen XML Editor 17 - Refactoring XML Documents](#)

See all events at:

http://oxygenxml.com/events_programme.html

Improved user interface

- Retina/HiDPI support

- Dark color theme – Graphite
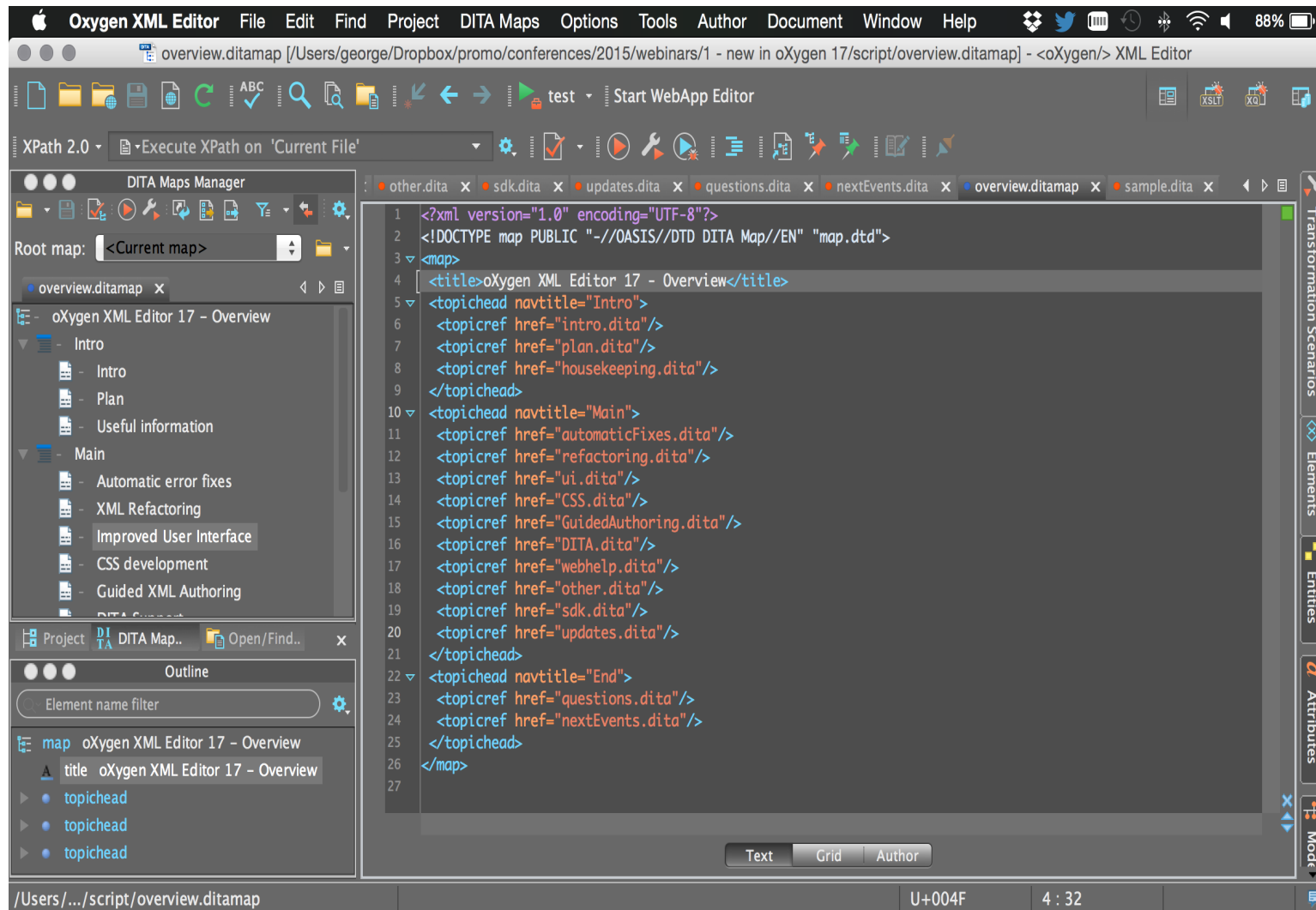
- Configurable toolbars

Retina/HiDPI support

Graphite color theme

Configurable toolbars

- Down to action level

- Preview toolbars

Toolbar Structure	Preview
☑ **My Toolbar** (Add actions here)	
▼ ☑ **Author** (Available only for Author mode)	
☑ [Tags display mode]	
☑ [Profiling]	
☐ Refresh References	
▶ ☑ **Author Styles** (Available only for Author mode)	
▶ ☐ **Bookmarks**	
☑ **DITA** (Author Custom Actions 1)	**B** *I* U ...

More about UI improvements

Webinar

May 20

[oXygen XML Editor 17 - UI Improvements](#)

See all events at:

http://oxygenxml.com/events_programme.html

CSS development

- ## CSS Inspector

- ## LESS editor

CSS Inspector

```
                                                          -colors.css:118
*[class~='topic/draft-comment']{
    background-color:color(153 , 255 , 153);
    border-left-color:green;
    border-right-color:green;
}


                                                     -topic-body.css:119

*[class~='topic/draft-comment']{
    display:block;
    padding-top:0.5em;
    padding-right:0.5em;
```

Element | :before | Computed | Path

Guided XML Authoring

- Inline hints
- Inline actions

Inline hints

A **task** topic tells users how to accomplish a task. Try to limit a task topic to a single procedure.

Use an imperative verb form for the task title to help users distinguish between topics that tell *how* to complete the task and other topics that might only provide conceptual information about the task.

Enter task title

The short description of a task should describe in a couple of sentences *why* the reader is performing the task.

Enter short description

The context section allows you to provide short background or high-level information about the task or its larger workflow. You can also mention here any warnings or general pitfalls with regard to the task.

About this task:

Enter paragraph content

Use a numbered step procedure (`steps`) to describe the actions that the user must perform in a specific order. Alternatively, use a bulleted step list (`steps-unordered`) to describe actions that the user can perform in any order.

Each step describes an action that a user must follow to accomplish a task. Enter the instructions as a direct command in the required `cmd` element. A step can also optionally contain different information, sub-steps, step example, choices or a step result.

1. **Enter step action**

Inline actions

Hints and actions

Guided authoring implementation

Made possible by version 17 new additions:

- HTML content form control

- Define actions in CSS

- before(n) and after(n) pseudo-elements

CSS layers

- One main style

- Enable/disable alternate styles

  9 * 2^8 = 2304 possibilities

Styles ▾   **B** *I* <u>U</u>   ⤴ ▾   🖼   §   ▾

Basic
✓ Pure
Cursive
Century
Facet Design
Roboto
Trip Journal
Papyrus
<Old – Compatibility Mode>

+ Full width
+ Print ready
+ Colored revision changes
+ Codeblock syntax highlight
+ Show table column specifications
+ Hide draft comments
+ Hints
+ Inline actions
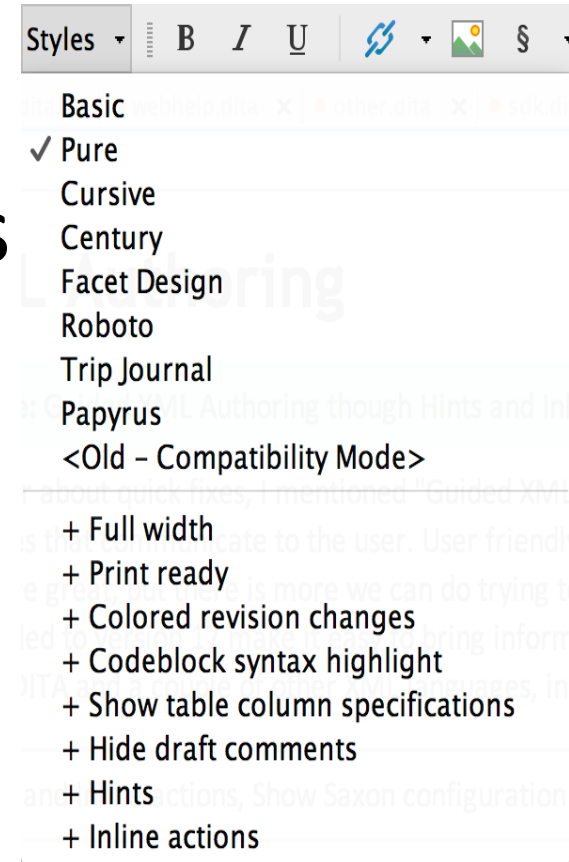
DITA Support

- Responsive view

- DITA-OT 2.0

- DITA-CSS integration

- Better DITA validation

- Updated DITA Metrics report

More about DITA

Webinar

June 10

[oXygen XML Editor - DITA Support](#)

See all events at:

http://oxygenxml.com/events_programme.html

WebHelp output

- Optimized page loading time

- Embeddable

- Context sensitive help

- SEO

- RTL support

- Japanese search

Other useful additions

- XQuery/XPath formatting

- CSS absolute positioning of blocks

- Detect DITA-OT plugins parameters

- Ignore whitespace in Find/Replace in files

- Dynamic content conversion

SDK

- Many extension points

- JavaScript operation for defining custom actions

- WebApp SDK
  - Adaptive (desktop-friendly & mobile-friendly)
  - Framework actions available
    - Toolbar
    - Contextual menu
  - API for providing additional actions to the web editor

More about the SDK

Webinar

June 17

[oXygen XML Editor - XML Authoring on the Web](#)

See all events at:

http://oxygenxml.com/events_programme.html

Updated components

- Processors
  - Saxon, XML Calabash
- New frameworks
  - JATS, XLIFF, ISO StratML
- XML databases
  - Exist, MarkLogic
- Eclipse 4.5
- SVN Client

Next events

- Webinar May 20 UI Improvements
- Webinar May 27 XML Quick Fixes
- Webinar June 3 Refactoring XML Documents
- **Meetup** June 5 oXygen Users Meetup London
- **Conference** June 6-7 XML London 2015
- Webinar June 10 DITA Support
- Webinar June 17 XML Authoring on the Web

Thank you!

Questions?

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