

# Authoring with the TEI

Creating a schema and letting  
oXygen loose on it

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# Introduction

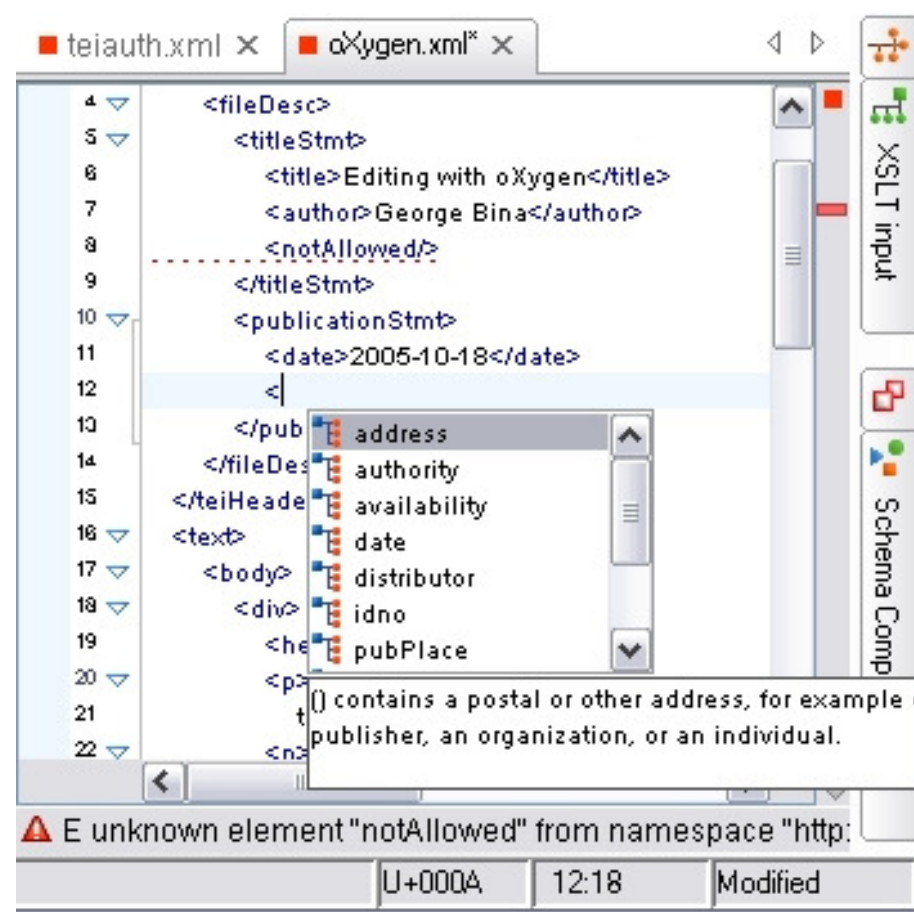
- TEI schemas/DTD were always complex as they require **customization**.
  - oXygen support is **generic**, with no assumptions on the schemas.
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# oXygen support for the TEI

user	• <b>Edit</b> TEI documents
	• Make sure they are <b>TEI valid</b>
	• Get <b>PDF</b> and <b>HTML</b> from XML
developer	• <b>Visualize</b> the schemas
	• Check the (custom) schemas to be <b>valid</b>
	• Customize/ <b>debug</b> the XSLT stylesheets

# Edit TEI documents

- Guided by the schema
- Documentation as you write
- Continuous validation
- Spell checking
- Attributes view
- Outliner
- Folding



# Edit TEI documents (cont)

- Automatic detection of formatting options
  - Hard line wrap as you edit
  - Smart editing
  - Format and indent
  - Tagging content (surround with tag)
  - XML re-factory actions
  - Contrast control
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# Make sure they are valid

- Validates against
    - **Relax NG**
    - **XML Schema**
    - **DTD**
    - Others (Schematron, embedded Schematron in Relax NG or XML Schema and NRL)
  - **Continuous validation**
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# Get PDF and HTML from XML

- Built in transformation scenarios for TEI
  - Easy configuration for custom scenarios
  - Easy configuration of XSLT parameters by presenting **documentation** for the XSLT parameters
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# Visualize the schemas

- **Diagrams** for Relax NG and XML Schema
  - **Full model** view – follows schema document structure
  - **Logical model** view – compiled schema, follows the instance representation
  - **HTML documentation** for XML Schema
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# Development

- Develop schemas
    - **Relax NG**
    - **XML Schema**
    - Others (Schematron, NRL)
  - Develop stylesheets (XSLT 1.0 and XSLT 2.0):
    - **Debugger**
    - **Profiler**
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# Live demo

- Documentation as you write
  - Hard line wrap as you write
  - Insert block through content completion
  - Abbreviations (code templates)
  - Contrast control
  - Documentation for XSLT parameters
  - Outliner – updated in real-time
  - Folding – powerful actions
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## Live demo (cont)

- Bookmarks
  - Model view
  - Attributes view
  - Schema diagrams
  - Transforming to PDF and HTML
  - Auto-detect formatting options
  - More...
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