

Session 2: Introduction to the TEI

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Outline

- The role of the TEI in digital editing and publishing
- Parts of a TEI document
- Creating a TEI document in <oXygen/>
- TEI flavors (P5; All, manuscript description)
- Root element and namespace
- <teiHeader>
- <text>

The role of the TEI

- Reuse, multipurposing
- Convert to different document types
 - XHTML, PDF, plain text
- Convert to different views, e.g., a manuscript edition as
 - Continuous reading (single manuscript)
 - Critical apparatus ~ interlinear collation
 - Graphic (non-textual) representation
- Interchange and interoperability (shared tools)
- *Guidelines or standard?*
- Your problems aren't (entirely) new or unusual
- Customizations, broad and narrow
- Funding imperatives

What do you do with a TEI document?

- Transform (XSLT) to *final form* (XHTML, PDF, etc.)
- Explore and query (XQuery)

How to manage a TEI project

- Choose (configure) a TEI schema
- Prepare project encoding guidelines
 - What do you need to do?
 - Do you need (or just want) to do it in a particular way?
 - There may be different ways to do *almost* the same thing
 - There may be different ways to do *exactly* the same thing
 - Nobody uses every element in the TEI in any project

Schemas

- XML must be *well-formed*
- XML may be *valid*
 - Valid = valid against a particular schema
- Schema
 - Grammar or blueprint for a document
 - What element and attributes are allowed, where, and with what content or type of content?
 - Schema languages
 - Relax NG, W3Schema, DTD
 - Constraint language: Schematron
- TEI is a set of schemas

TEI flavors

- TEI all
- TEI Lite
- Manuscript description
- Customization, broad and narrow
 - Can you do *what* you need?
 - Can you do it *the way* you want?
 - Can you do things you *shouldn't* be allowed to do?
 - *Enabling vs enforcing* schemas

Now let's do something ...

- Start <oXygen/>
- Create a new TEI P5 All document
- What does <oXygen/> do for you

Root element

- <TEI xmlns="http://www.tei-c.org/ns/1.0">
- Namespaces
 - Namespace declaration (pseudo-attribute)
 - Inherited
 - Namespace prefixing (not covered in this workshop)
- title
 - Book title
 - Royal title
- body
 - TEI body
 - HTML body
- Schema associations (<?xml-model ... ?>)

<teiHeader>

- <fileDesc>
 - <titleStmt>
 - <publicationStmt>
 - <sourceDesc>
- Minimal content
 - <titleStmt><title> ... </title></titleStmt>
 - <p> (= "paragraph") for the other two
- Structured content

Structured <titleStmt>

- Required: <title>
- Optional
 - <author>, <editor> (of source document)
 - <principal> (creator of electronic document)
 - <meeting>
 - <respStmt>
 - <resp>TEI markup</resp>
 - <name>[your name]</name>

<publicationStmt>

- Minimal: <p>
- Optional
 - <publisher>, <distributor>, <authority>
 - <pubPlace><address> ...
 - <orgName>, <street>, <settlement>, <country>, <postCode>
 - <date when="2013-09-05">
 - Date ranges and less precise dates are also supported
 - <idno type="ISBN">
 - <availability><p>[License info]</p></availability>

<text>

- <front>, <body>, <back>
- <div type="chapter">
- Headers
 - <head>
- Verse and verse-like things
 - <lg type="stanza">, <l>
- Prose
 - <p>
- Drama
 - <speaker>, <sp speaker="hamlet">

Common in-line elements

- <hi rend="italic">
- <name type="person" ref="#ab">
 - <persName ref="#ab">
 - <placeName ref="#varna">

Hands-on practice

- Create a new document in <oXygen/> (TEI P5 All)
- Edit the <teiHeader> element to add metadata for your project
 - <titleStmt>: add other elements
 - <publicationStmt> and <sourceDesc>: delete <p> elements and add structured content

That URL

- <http://www.tei-c.org/release/doc/tei-p5-doc/en/html/index.html>