

TEI BY EXAMPLE



MODULE 8: CUSTOMISING TEI, ODD, ROMA

Ron Van den Branden

Edward Vanhoutte

Melissa Terras

Centre for Scholarly Editing and Document Studies (CTB) , Royal
Academy of Dutch Language and Literature, Belgium, Gent, 9 July 2010

Last updated September 2020

Licensed under a Creative Commons Attribution ShareAlike 3.0 License

TABLE OF CONTENTS

7. Summary..... 1

7. Summary

This tutorial started from a sample encoding project: the encoding of Lewis Carroll's novel *Alice's Adventures in Wonderland*. An analysis of this mini-project's needs identified following encoding goals:

- Encoding of structural elements: the document, title page, document title, chapters, headings, (sub)divisions, paragraphs, quotations, citations, page breaks, figures, line groups.
- Encoding of names for persons, places and animals in the story, with an additional requirement for an experimental analysis of the ontological status of their referents.

Throughout this tutorial, a TEI customisation was developed step-by-step from which TEI schemas can be generated that fit these needs. After selection of relevant TEI modules and elements, selection of element-specific and attribute class attributes, and the addition of new elements and attributes, this is the final version of the ODD file for our **TBEcustom** customisation:

```
<TEI xmlns="http://www.tei-c.org/ns/1.0">
  <teiHeader>
    <fileDesc>
      <titleStmt>
        <title>A TBE Customisation</title>
        <author>The TBE crew</author>
      </titleStmt>
      <publicationStmt>
        <publisher>TEI Consortium</publisher>
        <availability status="free">
          <licence target="http://creativecommons.org/licenses/by-sa/3.0/">
            Distributed under a Creative Commons Attribution-ShareAlike 3.0 Unported
            License </licence>
          <licence target="http://www.opensource.org/licenses/BSD-2-Clause">
            <p>Copyright 2013 TEI Consortium.</p>
            <p>All rights reserved.</p>
            <p>Redistribution and use in source and binary forms, with or without
            modification, are permitted provided that the following conditions are
            met:</p>
            <list>
              <item>Redistributions of source code must retain the above copyright
              notice, this list of conditions and the following disclaimer.</item>
```

```

    <item>Redistributions in binary form must reproduce the above
        copyright notice, this list of conditions and the following disclaimer
        in the documentation and/or other materials provided with the
        distribution.</item>
</list>
<p>This software is provided by the copyright holders and contributors
    "as is" and any express or implied warranties, including, but not
    limited to, the implied warranties of merchantability and fitness for
    a particular purpose are disclaimed. In no event shall the copyright
    holder or contributors be liable for any direct, indirect, incidental,
    special, exemplary, or consequential damages (including, but not limited to,
    procurement of substitute goods or services; loss of use, data, or profits;
    or business interruption) however caused and on any theory of liability,
    whether in contract, strict liability, or tort (including negligence or
    otherwise) arising in any way out of the use of this software, even if
    advised of the possibility of such damage.</p>
</licence>
<p>TEI material can be licensed differently depending on the use you intend
    to make of it. Hence it is made available under both the CC+BY and BSD-2
    licences. The CC+BY licence is generally appropriate for usages which
    treat TEI content as data or documentation. The BSD-2 licence is generally
    appropriate for usage of TEI content in a software environment. For further
    information or clarification, please contact the <ref target="mailto:info@tei
    -c.org">TEI Consortium</ref>. </p>
</availability>
</publicationStmt>
<sourceDesc>
    <p>Created from scratch by James Cummings, but looking at previous tei_minimal
        and tei_bare exemplars by SPQR and LR.</p>
</sourceDesc>
</fileDesc>
</teiHeader>
<text>
    <body>
        <head>A Minimal TEI Customization</head>

```

```

<p>This TEI ODD defines a TEI customization that is as minimal as possible
and the schema generated from it will validate a document that is
minimally valid against the TEI scheme. It includes only the ten required
elements: <list rend="numbered">
  <item><gi>teiHeader</gi> from the header module to store required
    metadata</item>
  <item><gi>fileDesc</gi> from the header module to record information about this
    file</item>
  <item><gi>titleStmt</gi> from the header module to record information about the
    title</item>
  <item><gi>publicationStmt</gi> from the header module to detail how it is
    published</item>
  <item><gi>sourceDesc</gi> from the header module to record where it is
    from</item>
  <item><gi>p</gi> from the core module for use in the header and the body</item>
  <item><gi>title</gi> from the core module for use in the titleStmt</item>
  <item><gi>TEI</gi> from the textstructure module because what is a TEI file
    without that?</item>
  <item><gi>text</gi> from the textstructure module to hold some text</item>
  <item><gi>body</gi> from the textstructure module as a place to put that
    text</item>
</list></p>
<schemaSpec ident="TBEcustom" start="T
EI" prefix="tei_" targetLang="en" docLang="en">
  <moduleRef key="figures" include="figDesc figure"/>
  <moduleRef key="header" include="teiHeader fileDesc titleStmt publicationStmt
    sourceDesc"/>
  <moduleRef key="core" include="p title emph lg l pb pubPlace publisher q quote
    name graphic"/>
  <moduleRef key="textstructure" include="TEI text body titlePage docTitle doc
    Imprint docDate docAuthor byline div"/>
  <moduleRef key="tei"/>
  <moduleRef key="namesdates" include="persName placeName"/>
  <elementSpec ident="name" mode="change">
    <attList>
      <attDef ident="type" mode="change">
        <valList type="closed" mode="change">
          <valItem mode="add" ident="place">

```

```

        <desc versionDate="2020-04-23" xml:lang="en">used for place names</desc>
    </valItem>
    <valItem mode="add" ident="person">
        <desc versionDate="2020-04-23" xml:lang="en">used for person
            names</desc>
    </valItem>
    <valItem mode="add" ident="animal">
        <desc versionDate="2020-04-23" xml:lang="en">used for animal
            names</desc>
    </valItem>
</valList>
</attDef>
<attDef ident="subtype" mode="delete"/>
<attDef ident="calendar" mode="delete"/>
<attDef ident="cert" mode="delete"/>
<attDef ident="evidence" mode="delete"/>
<attDef ident="from" mode="delete"/>
<attDef ident="full" mode="delete"/>
<attDef ident="instant" mode="delete"/>
<attDef ident="notAfter" mode="delete"/>
<attDef ident="notBefore" mode="delete"/>
<attDef ident="period" mode="delete"/>
<attDef ident="resp" mode="delete"/>
<attDef ident="sort" mode="delete"/>
<attDef ident="source" mode="delete"/>
<attDef ident="to" mode="delete"/>
<attDef ident="when" mode="delete"/>
<attDef ident="nymRef" mode="delete"/>
<attDef ident="role" mode="delete"/>
</attList>
</elementSpec>
<classSpec ident="att.naming" type="atts" mode="change">
    <attList>
        <attDef ident="nymRef" mode="delete"/>
        <attDef ident="ontStatus" mode="change" usage="opt" ns="http://teibyexample
.org/ns/TBE">
            <desc versionDate="2020-04-28" xml:lang="en">describes the ontological
                status of a name's referent</desc>

```

```

<datatype>
  <dataRef key="teidata.enumerated"/>
</datatype>
<valList mode="change">
  <valItem mode="add" ident="realistic">
    <desc versionDate="2020-04-28" xml:lang="en">the referent can / could
      occur in the extra-textual reality</desc>
  </valItem>
  <valItem mode="add" ident="mythological">
    <desc versionDate="2020-04-28" xml:lang="en">the referent does not exist
      in real life, but belongs to a major mythology</desc>
  </valItem>
  <valItem mode="add" ident="fantastic">
    <desc versionDate="2020-04-28" xml:lang="en">the referent can / could
      occur in the extra-textual reality</desc>
  </valItem>
</valList>
</attDef>
</attList>
</classSpec>
<elementSpec ident="animalName" ns="http://teibyexample.org/ns/
TBE" mode="add" module="namesdates">
  <desc>contains a proper noun referring to an animal</desc>
  <classes>
    <memberOf key="att.global"/>
    <memberOf key="model.persStateLike"/>
    <memberOf key="model.nameLike.agent"/>
    <memberOf key="att.dataable"/>
    <memberOf key="att.editLike"/>
    <memberOf key="att.personal"/>
    <memberOf key="att.typed"/>
  </classes>
  <content>
    <macroRef key="macro.phraseSeq"/>
  </content>
</elementSpec>
</schemaSpec>
</body>

```

```

</text>
</TEI>

```

This ODD file allows the generation of a TEI schema for the encoding of the document. The following example illustrates how the encoding could make use of the features defined in the ODD file (notice how the **http://teibyexample.org/ns/TBE** namespace is used to distinguish the added elements and attributes, and bound to the namespace prefix “TBE”):

```

<TEI xmlns="http://www.tei-c.org/ns/1.0" xmlns:tbe="http://teibyexample.org/ns/TBE">
  <teiHeader>
    <!-- ... -->
  </teiHeader>
  <text>
    <body>
      <!-- ... -->
      <div type="chapter">
        <!-- ... -->
        <pb n="157"/>
        <figure>
          <graphic url="images/lobster.jpg"/>
          <figDesc>The lobster sugaring its hair.</figDesc>
        </figure>
        <p><q who="#alice">"How the creatures order
          one about, and make one repeat lessons!"</q>
          thought <persName tbe:ontStatus="realistic">Alice</persName>, <q who="#alice">"I
          might just as well be at school at once."</q> However, she
          got up, and began to repeat it, but her head was so full of
          the <title type="song"><tbe:animalName tbe:ontStatus="realistic">Lobster</tbe:animalName>-
          Quadrille</title>, that she hardly knew what she was saying, and the words came
          very queer indeed:</p>
        <q rend="blockquote" who="#alice">
          <lg>
            <l>'Tis the voice of
              the <tbe:animalName tbe:ontStatus="realistic">lobster</tbe:animalName>; I
              heard him declare,</l>
            <l>
              <q who="#lobster">'You have baked me too brown, I must sugar my hair.'</q>

```

```

        </l>
        <l>As a duck with its eyelids, so he with his nose</l>
        <l>Trims his belt and his buttons, and turns out his toes."</l>
    </lg>
</q>
<p><q who="#gryphon">"That's different from
what <emph>I</emph> used to say when I was a child,"</q> said
the <tbe:animalName tbe:ontStatus="mythological">Gryphon</tbe:animalName>.</p>
<pb n="158"/>
<p><q who="#mockTurtle">"Well, I never heard it before,"</q>
said the <tbe:animalName tbe:ontStatus="fantastic">Mock
Turtle</tbe:animalName>; <q who="#mockTurtle">"but it sounds uncommon
nonsense."</q></p>
<p><persName tbe:ontStatus="realistic">Alice</persName> said nothing;
she had sat down with her face in her hands, wondering if anything
would <emph>ever</emph> happen in a natural way again.</p>
<p><q who="#mockTurtle">"I should like to have it explained,"</q> said
the <tbe:animalName tbe:ontStatus="fantastic">Mock Turtle</tbe:animalName>.</p>
<p><q who="#gryphon">"She can't explain it,"</q> said
the <tbe:animalName tbe:ontStatus="mythological">Gryphon</tbe:animalName>
hastily. <q who="#gryphon">"Go on with the next verse."</q></p>
<p><q who="#mockTurtle">"But about his toes?"</q>
the <tbe:animalName tbe:ontStatus="fantastic">Mock Turtle</tbe:animalName>
persisted. <q who="#mockTurtle">"How <emph>could</emph> he turn them out with
his nose, you know?"</q></p>
<p><q who="#aliceI">"It's the first position in
dancing."</q> <persName tbe:ontStatus="realistic">Alice</persName> said;
but she was dreadfully puzzled by the whole thing, and longed to change the
subject.</p>
<p><q who="#gryphon">"Go on with the next verse,"</q>
the <tbe:animalName tbe:ontStatus="mythological">Gryphon</tbe:animalName>
repeated impatiently: <q who="#gryphon">"it begins <quote>'I passed by his
garden.'</quote>"</q></p>
<p><persName tbe:ontStatus="realistic">Alice</persName> did not dare to disobey,
though she felt sure it would all come wrong, and she went on in a trembling
voice:--</p>
<pb n="159"/>
<!-- ... -->

```

```
</div>  
<!-- ... -->  
</body>  
</text>  
</TEI>
```