

TEI BY EXAMPLE

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TEI
By
Example
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MODULE 8: CUSTOMISING TEI, ODD, ROMA

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TABLE OF CONTENTS

7. Summary.....	1
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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
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            <list>
              <item>Redistributions of source code must retain the above copyright
              notice, this list of conditions and the following disclaimer.</item>
```

```
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</list>
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  a particular purpose are disclaimed. In no event shall the copyright
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  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>
</publicationStmnt>
<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.dateable"/>
    <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>
```