

PHANTOM LADY

Scripting

File	Edit	View	Insert	Format	Data	Tools	Add-ons	Help	All changes saved in Drive
A	B	C	D	E	F	G	H	I	J
NICE OF YOU TO LOAN BETTY MONEY TO GET STARTED IN BUSINESS, SANDRA. HOPE SHE CAN COOK...									
1.1									
1.1.1		#phantom_lady # Phantom Lady, #SWH			#cleavage				
1.1.2		#subject-to-subj #sandra_knight Sandra Knight :#SWH			#fedor				
					#dress				

```
<cbml:panel n="1.1.2" ana="#subject-to-subject" characters="#sandra_knight #don_borden">
<tei:note resp="#SWH" type="panelDesc">Sandra Knight and Don Borden from behind as they walk arm-in-arm towards "Betty's Beanery".</tei:note>
<tei:note type="gender-markers" subtype="sandra_knight" ana="#dress #bare-legs"/>
<cbml:balloon type="speech" ana="#dialogue" who="#don_borden">NICE LOAN BETTY MONEY TO GET STARTED IN BUSINESS, SANDRA. HOPE SHE CAN COOK...</cbml:balloon>
<tei:note type="gender-markers" subtype="don_borden" ana="#suit #shirts"/>
<cbml:balloon type="speech" ana="#dialogue" who="#sandra_knight">SHE'S AN OLD FRIEND, DON. AND WHEN HER FATHER DIED, SHE WAS BROKE...</cbml:balloon>
<cbml:caption>
<tei:emph rendition="#block #red">ANDRA KNIGHT, REALLY PHANTOM LADY, ARRIVES WITH DON TO HELP A FRIEND...</tei:emph>

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SANDRA KNIGHT, REALLY PHANTOM LADY, ARRIVES WITH DON TO HELP A FRIEND...

NICE OF YOU TO LOAN BETTY MONEY TO GET STARTED IN BUSINESS, SANDRA. HOPE SHE CAN COOK...

SHE'S AN OLD FRIEND, DON. AND WHEN HER HUSBAND DIED, SHE WAS BROKE...

BUT INSIDE...

WE WARNED YOU TO PAY UP, SISTER!

I CAN'T PAY FOR PROTECTION... OHHH...

OH, YOU CAN'T, EH?

HEY, YOU...

OUT OF OUR WAY, CHUM...

Betty's
Beanery

OH! THEY'VE HURT BETTY!

TEI/CBML SCRIPTING

Text Encoding Initiative (TEI) is a community of best practices in the digital humanities that uses the TEI standard to support research, collaboration and preservation. The standard, TEI Guidelines, initially released in 1994, uses XML markup and three schemata to generate machine-readable texts that can be reliably exchanged by scholars across the globe. XML is an open source standard; the community as a whole advocates the free and open exchange of research data and tools. There are several large projects that use TEI for markup, including the [Oxford Text Archive](#), the [Perseus Project](#), the [Women Writers Project](#), and the Folger Shakespeare Library edition of the [works of Shakespeare](#).

In this course we are using a combination of the full TEI standard and a subset defined specifically for comic books research, Comic Book Markup Language (CBML). CBML does an excellent job of accounting for sequential textual possibilities in comic books, but is limited in its capacity to describe visual details. Full TEI supports the creation of custom note fields that can be used to "classify" and describe any pictorial element of research interest, hence use of both TEI and CBML.

The tables below cover the column headings of the four spreadsheets we will use for our *Phantom Lady #17* comic book markup, with the TEI/CBML XML crosswalk and notes on rationales and data requirements. The [OpenRefine](#) conversion scripts we have created for [crosswalking](#) the spreadsheets to XML are quite rigid -- any deviation from the spreadsheet templates will either be ignored or introduce errors in the conversion process.

If a team opts to use TEI/CBML for a final project, the choice is to work either within the limitations of the spreadsheets or to use an XML editor and customize the TEI/CBML as needed. The full *Phantom Lady#17* TEI/CBML text created by the instructors has a robust [TEIHeader](#) and several elements and attributes in the comic book panel section missing from the spreadsheet templates. Final project teams can use this XML file as a template, or the instructors will help them define the custom elements they need for their specific research requirements.

TEI/CBML SCRIPTING

TEIHeader

Course Spreadsheet	TEI/CBML XML	Remarks
TEIHeader	<pre>TEIHeader <?xml version="1.0" encoding="UTF-8"?> <?xml-model href="http://localhost:80 80/exist/apps/teicomix/r esources/schema/cbml. rnc" type="application/relax- ng-compact-syntax" xmlns:cbml="http://www .cbml.org/ns/1.0"?> <tei:TEI xmlns:tei="http://www.te i-c.org/ns/1.0"> <tei:teiHeader> <tei:fileDesc> <tei:titleStmt></pre>	A drastically truncated rendition of the TEIHeader section. Valid because it includes a <fileDesc> section. The CBML namespace is used only in the <tei:text> section.
comic_Title	<pre><tei:title> [comic_Title.value] </tei:title></pre>	Mandatory element. Non-repeatable.

TEI/CBML SCRIPTING

TEIHeader

responsibleID responsibleName	<pre><tei:respStmt> <tei:resp>Encoded in TEI/CBML by</tei:resp> <tei:persName xml:id=' [responsID.value]> [responsName.value] </tei:persName> </tei:respStmt> <tei:sponsor> JMU LET </tei:sponsor> </tei:titleStmt></pre>	Mandatory elements. <tei:resp> and <tei:persName> are repeatable. The responsibleID xml:id [initials] will be used in a custom note field for comic book panel descriptions.
publisher1	<pre><tei:publicationStmt> <tei:publisher> [publisher1.value] </tei:publisher></pre>	James Madison University. Mandatory. Repeatable.
date1	<pre><tei:date> [date1.value] </tei:date> <tei:availability> <tei:licence target='http://creativecommons.org/licenses/by-nc/4.0/deed.en_US'> Distributed under a Creative Commons Attribution- NonCommercial 4.0 Unported License </tei:licence> </tei:availability></pre>	Date TEI/CBML file is published by JMU. Publication statement includes an intellectual property rights assertion using a CC licence. Mandatory. Repeatable.

TEI/CBML SCRIPTING

TEIHeader

publisher2	<pre><tei:publisher> [publisher2.value] </tei:publisher></pre>	Publisher of the digitized comic book, the Digital Comic Museum.
date2	<pre><tei:date> [date2.value] </tei:date></pre>	Date of publication of the digitized version used for TEI/CBML markup.
comicURL	<pre><tei:address> <tei:addrLine> [comicURL.value] </tei:addrLine> </tei:address></pre>	URL where the digitized comic book was downloaded. Optional. Repeatable.
comicLicense	<pre><tei:availability> <tei:licence> [comicLicense.value] </tei:licence> </tei:availability> </tei:publicationStmt></pre>	Intellectual property rights assertion for the digitized comic book by the Digital Comic Museum.

TEI/CBML SCRIPTING

TEIHeader

comicDate	<pre><tei:date> [comicDate.value] </tei:date> </tei:imprint></pre>	Bibliographic data about the original analog comic book date of publication. Mandatory element. Repeatable.
volumeNumber	<pre><tei:biblScope type='vol'> [volumeNumber.value] </tei:biblScope></pre>	Bibliographic data about the original analog comic book volume number. Mandatory if available. Non-repeatable.
issueNumber	<pre><tei:biblScope type='issue'> [issueNumber.value] </tei:biblScope></pre>	Bibliographic data about the original analog comic book issue number. Mandatory if available. Non-repeatable.
pageNumber	<pre><tei:biblScope type='pp'> [pageNumber.value] </tei:biblScope> </tei:monogr> </tei:biblStruct> </tei:sourceDesc> </tei:fileDesc> </tei:teiHeader></pre>	Bibliographic data about the original analog comic book pagination. Mandatory if available. Non-repeatable.

TEI/CBML SCRIPTING

TEI_InterGrp

Course Spreadsheet	TEI/CBML XML	Remarks
PL17_InterGrp	<tei:text>	Used for custom note fields, balloons “subtype” and “ana” attributes
groupName	<tei:interpGrp type='[groupName.value]'>	Mandatory attribute. Non-repeatable.
groupDesc	<tei:desc> [groupDesc.value] </tei:desc>	Mandatory element. Non-repeatable.
groupElements	<tei:interp xml:id='[groupElements.val ue]'> </tei:interpGrp	Mandatory attribute. Repeatable.

TEI/CBML SCRIPTING

TEI_listPerson

Course Spreadsheet	TEI/CBML XML	Remarks
Dramatis_Personae	<tei:body xmlns:cbml="http://www .cbml.org/ns/1.0"> <tei:listPerson>	Used for "characters" "subtypes" and "who" attributes in panel, custom note and balloon elements, respectively.
ID	<tei:person xml:id='[ID.value]'>	Mandatory element, used by several XQuery scripts and XML editor autofill. Non-repeatable. Format: lower-case letters, multi-part name elements connected with underscores.
Name	<tei:persName> <tei:name> [Name.value] </tei:name> </tei:persName>	Not all characters have names -- optional element. Non- repeatable.
Additional_Name	<tei:addName> [Additional_Name.value] </tei:addName> </tei:persName>	Used for PL and her vanilla identity -- optional element. Repeatable.
Note	<tei:note> [Note.value] </tei:note>	Used in PL#17/3 for clothing conventions for the named criminals -- optional element. Repeatable.

TEI/CBML SCRIPTING

TEI_listPerson

Affiliation	<pre><tei:affiliation> [Affiliation.value] </tei:affiliation></pre>	-- optional element. Repeatable. Used mostly for criminal gang membership in PL#17.
Occupation Role	<pre><tei:occupation role='[Role2.value]'> [Occupation.value] </tei:occupation></pre>	Occupation mandatory, role is an optional attribute. Repeatable.
Sex Sex_Value	<pre><tei:sex value='[Sex_Value.value]'> [Sex.value] </tei:sex></pre>	Binary sex value of 1 or 2 used for XQuery gender markup analysis, and thus mandatory. Non-repeatable. Other comic books may use a broader palette for gender modeling.
Nationality	<pre><tei:nationality> [Nationality.value] </tei:nationality> </tei:listPerson></pre>	For PL#17, assumed to be American -- mandatory element. Non-repeatable.

TEI/CBML SCRIPTING

TEI_Panel_Coding

Course Spreadsheet	TEI/CBML XML	Remarks
PL17_Panel_coding		Used for all div and cbml:panel elements in the <tei:text></tei:body> section
panelGrp_Number	</tei:div> <tei:div type='panelGrp' n=' [panelGrp_Number.value] '>	Mandatory attribute, corresponds in PL#17 to comic book single pages, format 1.1, 2.1, 3.1 Non-repeatable.
panel_Number panel_Transition panel_Characters	<cbml:panel n=' [panel_Number.value] ' ana=' [panel_Transition.value] ' characters=' [panel_Characters.value] '>	Panel numbers and characters attributes mandatory, panel transition attribute mandatory except for title pages. Panel number format 1.1.1, 1.1.2, 3.2.7, etc. Non-repeatable.
panelNote_Desc PanelNote_Resp	<tei:note resp=' [PanelNote_Resp.value] '> [panelNote_Desc.value] </tei:note>	Custom note, mandatory element and attribute. Panel descriptions are major value-added content that could be used to provide disability access to a comic book. Non-repeatable.

TEI/CBML SCRIPTING

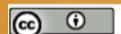
TEI_Panel_Coding

PanelNote_Gender_markers	<pre><tei:note type='gender-markers' subtype='[Gender_markers_Who.value]' ana='[PanelNote_Gender_markers.value]'></pre>	Custom note for entering visual gender marking information. Mandatory element and attributes, when possible to see or infer content. Repeatable.
balloon_Type balloon_Who balloon_Text	<pre><cbml:balloon type='speech' ana='[balloon_Type.value]' who='[balloon_Who.value]'> [balloon_Text.value] </cbml:balloon></pre>	Mandatory element and attributes when used in a panel. Repeatable. No attempt is made to normalize the comic book text.
caption_Text	<pre><cbml:caption> [caption_Text.value] </cbml:caption></pre>	Mandatory element when used in a panel. Repeatable.
uniform_Type	<pre><tei:note type='uniforms' subtype='[uniform_Type.value]'></pre>	Custom note for uniform types. Optional element. Repeatable.
weapon_Type	<pre><tei:note type='weapon-tech' subtype='[weapon_Type.value]'></pre>	Custom note for weapons. Optional element. Repeatable. Popular category in crime comics!

TEI/CBML SCRIPTING

TEI_Panel_Coding

transporation_Type	<code><tei:note type='transportation- tech' subtype='[transporation_ Type.value]'></code>	Custom note for transportation vehicles. Optional element. Repeatable.
communication_Type	<code><tei:note type='communication- tech' subtype='[communication_ Type.value]'></code>	Custom note for communication devices. Optional element. Repeatable.



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