Krugmanwelssessentials4e

XML Specifications

Version 2 – April 11, 2016

# Second Request for XML Modifications

Like the document before this one, this document will describe desired changes to the XML chapter files for the krugmanwellsessentials4e project. Sample XML will again be provided to illustrate XML structure. We will use the XML delivered on March 29, 2016 as a base source, comparing that with the desired XML target.

Note that any URL paths shown in the examples need not be duplicated. They reflect the directory structure imposed by Devlions and need not be supported by the XML vendor.

We will supply the full, edited, chapter 3 XML file for reference. Please contact us with any questions.

# Chapter Intro – Title Tag Sequence

Switch the tag order: Move the chapter title AFTER the chapter number. This change is to facilitate a change in the design of each chapter intro page.

Therefore, the following XML changes are requested:

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| **Original** |
| <p id="krugmanwellsessentials4e-ch3-p1" block\_type="chapter\_number"><phrase block\_type="chap">CHAPTER</phrase><phrase block\_type="chapnum">3</phrase></p>  <p id="krugmanwellsessentials4e-ch3-p2" block\_type="chapter\_title">Supply and Demand</p> |
| **Change Request** |
| <p id="krugmanwellsessentials4e-ch3-p2" block\_type="chapter\_title">Supply and Demand</p>  <p id="krugmanwellsessentials4e-ch3-p1" block\_type="chapter\_number"><phrase block\_type="chap">CHAPTER</phrase><phrase block\_type="chapnum">3</phrase></p> |

# Termref Tags

Termref glossary functionality will not be implemented with this book. All <termref term=…”>…</termref> tags should be converted to <strong> tags.

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| --- |
| **Original** |
| <termref term="competitive market">competitive market</termref> |
| **Change Request** |
| <strong>competitive market</strong> |

# Numbered Figure Titles

Numbered figures are those with block\_type=”figure”. Unnumbered figures are those with block\_type=”un\_figure”.

Two sets of changes are needed in numbered figure titles:

Functionality support: Surround the inner contents of the first set of <caption></caption> tags (found above the <image>) with <link></link> elements. The same figure href used in text links can be used here, too. This is done to support the pop up of supplemental windows. There may be a second set of <caption> tags found below the <image>; these should be left as-is.

Styling support: Please use the three new phrases shown in the example with the associated block\_types: “fig”, “fug\_num”, and “fig\_title”. This will allow these elements to be separately styled. Again, these only affect the contents of the first set of <caption> tags.

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| **Original** |
| <caption><phrase block\_type="fig-label"><strong>FIGURE 3-1</strong></phrase> The Demand Schedule and the Demand Curve</caption> |
| **Change Request** |
| <caption><link href="#krugmanwellsessentials4e-ch3-fig-3"><phrase block\_type="fig-label"><strong><phrase block\_type="fig">FIGURE</phrase> <phrase block\_type="fig\_num">3-1</phrase></strong></phrase><phrase block\_type="fig\_title"> The Demand Schedule and the Demand Curve</phrase></link></caption> |

# Numbered Table Titles

Numbered tables are those with block\_type=”table”. Unnumbered figures are those with block\_type=”un\_table” (see next section).

Two sets of changes are needed in figure titles:

Functionality support: Two additional attributes need to be added to the <table> tag: data-href and data-target. These support supplemental window popup windows. Also, the <caption-placement> attribute must use “Top”, not “top”, to function properly.

Styling support: Please use the three new phrases shown in the example with the associated block\_types: “tbl”, “tbl\_num”, and “tbl\_title”. This will allow these elements to be separately styled.

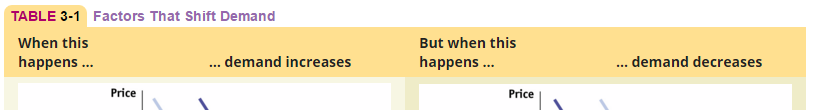
|  |
| --- |
| **Original** |
| <table id="krugmanwellsessentials4e-ch3-tab-1" block\_type="table" caption-placement="top">  <table\_caption><strong>TABLE 3-1</strong> Factors That Shift Demand</table\_caption> |
| **Change Request** |
| <table id="krugmanwellsessentials4e-ch3-tab-1" block\_type="table" numbered="false" caption-placement="Top" data-href=" #krugmanwellsessentials4e-ch3-tab-1" data-target="\_pop">  <table\_caption><strong><phrase block\_type="tbl">TABLE</phrase> <phrase block\_type="tbl\_num">3-1</phrase></strong><phrase block\_type="tbl\_title">Factors That Shift Demand</phrase></table\_caption> |

# Table XML Modifications

Several modifications have been made to the structure of table blocks. I have relisted the classes used to style tables in the following table, borrowed from the previous specification. I will be restating many of the changes you have already made since the first modification request, but I am including them here for completeness and your review.

|  |  |
| --- | --- |
| Class | Definition |
| tbl-hdr-bg | Darkest orange color, used in header rows |
| tbl-td-light | Lighter row color |
| tbl-td-dark | Darker row color |
| tbl-lborder | Left border (on td) |
| tbl-rborder | Right border (on td) |
| tbl-tborder | Top border (on td) |
| tbl-bborder | Bottom border (on td) |
| tbl-ljust | Left justify (center is default) |

You have correctly used these classes in the redelivered XML. The numbered tables have had additional columns added to support the dual nature of their titles:



* Note that “When this happens” and “…demand increases” are separated, as if in separate cells. Therefore, each header column must be coded with two <td> tags.
* The default alignment for tables is “center”, so the leftmost header cells must have the “.tbl-ljust” class added.
* Please note the use of <br/> in the column titles. Where the PDF shows a line break, an explicit <br/> tag should be inserted.
* The main table rows, below the header row, will all use <td colspan=”2”> to hold their contents, which consists of a single image.
* Both <phrase block\_type=”tbn-tb-txt”> and <phrase block\_type=”tbn-colhd”> are not used and have been removed.
* The images in the main table <td> cells have been reduced from unnumbered tables to simple <image> tags, requiring the removal of the surrounding figure XML.

Again, most of these changes you have already implemented, but please use the list above to review. The last bullet item still needs implementation. Removal of the unnumbered figures from within tables will simplify functionality implementation.

|  |
| --- |
| **Original** |
| <tbody>  <tr class="tbl-hdr-bg">  <td class="tbl-ljust"><strong>When this<br/>happens &#8230;</strong></td>  <td class="tbl-ljust"><strong>&#8230; demand increases</strong></td>  <td class="tbl-ljust"><strong>But when this<br/>happens &#8230;</strong></td>  <td class="tbl-ljust"><strong>&#8230; demand decreases</strong></td>  </tr>  <tr>  <td class="tbl-td-light" colspan="2"><figure id="krugmanwellsessentials4e-ch3-fig-9" block\_type="un\_figure" numbered="false" mmtype="image" mmsrc="" attr="">  <layout align="center" width="large" border="true"/>  <image asset-id="krugmanwellsessentials4e-ch3-img-11" alt="image" src="images/KrugESS4e\_3UN08a.jpg"/>  </figure></td> |
| **Change Request** |
| <tbody>  <tr class="tbl-hdr-bg">  <td class="tbl-ljust"><strong>When this<br/>happens &#8230;</strong></td>  <td><strong>&#8230; demand increases</strong></td>  <td class="tbl-ljust”><strong>But when this<br/>happens &#8230;</strong></td>  <td><strong>&#8230; demand decreases</strong></td>  </tr>  <tr>  <td colspan="2" class="tbl-td-light>  <image asset-id="krugmanwellsessentials4e-ch3-img-11" alt="image" src="asset/ch3/KrugESS4e\_3UN08a.jpg"/>  </phrase></td>  Etc. |

# Check Your Understanding

These boxes are found at the end of some A-head section. They contain one or more questions. To implement the question popup supplemental windows, these questions need to be coded with <question> and <p> tags, rather than lists. They are coded just like the questions found in the Problems A-head section (see Problem section in this document, below).

There are several changes to the XML, some crucial to the functional requirements (building and popping up supplemental windows when the question number is clicked).

* Note that questions may contain sublists (usually block\_type=“loweralpha”, which are left as-is.
* The <question> tag has a block\_type=”q\_cyu” property for all Check Your Understanding questions.
* [IMPORTANT!] The <question> ID is formatted as shown in the example, using “cyuquestion” instead of “question”, followed by a ‘-‘ and a question number. This question number is not the displayed question number (which is usually ‘1.’). The number must be unique. In this chapter there are 5 Check Your Understanding questions, numbered 1 to 5.
* <phrase block\_type=”qnum”>1.</phrase> is used at the beginning of the question text. The phrase text is what is displayed in the e-book, so the first question in any one Check Your Understanding box will have “1.” as the text, the second question “2.”, etc.
* Eventually, Show Answer boxes will be included at the end of the <question> block. Currently, the answers are not available. These are something that Devlions can install later, though they could also be included in the delivered XML if they become available. They can be omitted for now.

|  |
| --- |
| **Original** |
| <list id="krugmanwellsessentials4e-ch3-list-5" type="ordered" block\_type="numbered">  <li><p id="krugmanwellsessentials4e-ch3-p107" block\_type="sr2-nl-first">Explain whether each of the following events represents (i) a <em>shift of</em> the demand curve or (ii) a <em>movement along</em> the demand curve.</p>  <list id="krugmanwellsessentials4e-ch3-list-6" type="ordered" block\_type="loweralpha"> |
| **Change Request** |
| <question id="krugmanwellsessentials4e-ch3-cyuquestion-1" block\_type="q\_cyu" number="1">  <p id="krugmanwellsessentials4e-ch3-p318" block\_type="cr-que-nl-first"><phrase block\_type="qnum">1.</phrase>Explain whether each of the following events represents (i) a <em>shift of</em> the demand curve or (ii) a <em>movement along</em> the demand curve.</p>  <list id="krugmanwellsessentials4e-ch3-list-6" type="ordered" block\_type="loweralpha"> |

# Features like “Solved Problem: Sugar, Sugar”

The Solved Problem feature has been made into a separate A-head section. The example below shows the new section code that must be inserted before these features.

* Note block\_type=”solved\_problem”.

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| **Original** |
| <box title="" numbered="false" id="krugmanwellsessentials4e-ch3-bx7-1" block\_type="sum-h"> |
| **Change Request** |
| </section>  <section id="krugmanwellsessentials4e-ch3-sec1-6" block\_type="solved\_problem" title="" chapter="3" numbered="true" level="1" print\_page="95">  <section-metadata><section-title>Solved Problem</section-title></section-metadata>  <box title="" numbered="false" id="krugmanwellsessentials4e-ch3-bx7-1" block\_type="sum-h"> |

# Problem Section ­- Questions

The questions in the Problems section need to be implemented as with those in the Check Your Understanding features (see instructions above), with a few exceptions:

* The question IDs contain “-question-“ instead of “-cyuquestion-“.
* The number at the end of the <question> ID is not as important as it is in Check Your Understanding. However, it should be left as-is, numbering the problem questions from 1 to the last question number, just as displayed in <phrase block\_type="qnum">15.</phrase> (for question #15).
* <question block\_type=”q\_prob”>
* <phrase block\_type="qnum">1.</phrase> is used at the beginning of the question text, just as it is in the Check Your Understanding questions.

<question id="krugmanwellsessentials4e-ch3-question-15" block\_type="q\_prob" number="15">

<p id="krugmanwellsessentials4e-ch3-p385" block\_type="cr-que-nl-mid"><phrase block\_type="qnum">15.</phrase>This year, the small town of Middling experiences a sudden doubling of the birth rate. After three years, the birth rate returns to normal. Use a diagram to illustrate the effect of these events on the following.</p>

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| --- |
| **Sample of new Problems section question** |
| <question id="krugmanwellsessentials4e-ch3-question-15" block\_type="q\_prob" number="15">  <p id="krugmanwellsessentials4e-ch3-p385" block\_type="cr-que-nl-mid"><phrase block\_type="qnum">15.</phrase>This year, the small town of Middling experiences a sudden doubling of the birth rate. After three years, the birth rate returns to normal. Use a diagram to illustrate the effect of these events on the following.</p> |