Krugmanwelssessentials4e

XML Specifications

# Request for XML Modifications

This document will describe desired changes to the XML chapter files for the krugmanwellsessentials4e project. Sample XML is perhaps the clearest way to describe the XML structure, so samples will be provided along with brief descriptions.

# General Notes

Let’s use the numbering in the Chapter Intro as an example. It illustrates the need for added XML elements. The same need is found in many titles and features throughout this chapter and, no doubt, throughout the book.

# Chapter Intro – Numbering

More XML elements are needed to support the styling of many elements in this book. The chapter number is a good example of an element that needs to be split into “chapter” and “number”, so that different colors, sizes, or placement can be attained. In this case, “CHAPTER 3” needs to be displayed as follows:



Therefore, the following XML changes are requested:

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

# Global Comparison

Note that <section-title> tags must not be used in <box-metadata>. Use <box-title> instead.

|  |
| --- |
| **Original** |
| <box-metadata><section-title><image asset-id="krugmanwellsessentials4e-ch3-img-7a" alt="image" src="images/World\_icon\_no\_type.jpg"/> GLOBAL COMPARISION</section-title></box-metadata> |
| **Change Request** |
| <box-metadata><box-title><image asset-id="krugmanwellsessentials4e-ch3-img-7a" alt="image" src="asset/ch3/World\_icon\_no\_type.jpg"/>**<phrase block\_type="gc1">GLOBAL</phrase><phrase block\_type="gc2">COMPARISON</phrase>**</box-title></box-metadata> |

# Economics In Action

Note that <section-title> tags must not be used in <box-metadata>. Use <box-title> instead.

|  |
| --- |
| **Original** |
| <box-metadata><section-title>ECONOMICS <em>in Action</em> <image asset-id="krugmanwellsessentials4e-ch3-img-7a1" alt="image" src="images/world\_view\_icon.jpg"/></section-title></box-metadata> |
| **Change Request** |
| <box-metadata>**<box-title><phrase block\_type="title">ECONOMICS</phrase><phrase block\_type="number"><em>in Action</em></phrase>**<image asset-id="krugmanwellsessentials4e-ch3-img-7a1" alt="image" src="asset/ch3/world\_view\_icon.jpg"/>**</box-title>**</box-metadata> |

# Check Your Understanding

More of the same thing, but be sure to use <box-metadata> tags to be able to restructure the title, as shown below.

|  |
| --- |
| **Original** |
| <box title="Check Your Understanding 3-1" numbered="false" id="krugmanwellsessentials4e-ch3-bx6-1" block\_type="sr2-h"> |
| **Change Request** |
| <box title="" numbered="false" id="krugmanwellsessentials4e-ch3-bx6-1" block\_type="sr2-h">  **<box-metadata><box-title><phrase block\_type="title">Check Your Understanding</phrase><phrase block\_type="number">3-1</phrase></box-title></box-metadata>** |

# Features like “Solved Problem: Sugar, Sugar”

More of the same thing, but be sure to use <box-metadata> tags to be able to restructure the title, as shown below.

|  |
| --- |
| **Original** |
| <box title="SOLVED PROBLEM Sugar, Sugar" numbered="false" id="krugmanwellsessentials4e-ch3-bx7-1" block\_type="sum-h"> |
| **Change Request** |
| <box title="" numbered="false" id="krugmanwellsessentials4e-ch3-bx7-1" block\_type="sum-h">  **<box-metadata><box-title><phrase block\_type="gc1">SOLVED PROBLEM</phrase><phrase block\_type="gc2">Sugar, Sugar</phrase></box-title></box-metadata>** |

# Step Feature

“Steps” are found in the Solved Problem: Sugar, Sugar feature. More structure is needed to produce the following display:



Also note that the final sentence should be enclosed within the same container as the upper sentences, to all proper indentation.

|  |
| --- |
| **Original** |
| <p id="krugmanwellsessentials4e-ch3-p264" block\_type="sp-stp-txt"><strong>STEP &#124; 1 Draw and label supply and demand curves. Find the equilibrium quantity demanded.</strong></p>  <p id="krugmanwellsessentials4e-ch3-p265" block\_type="stp-ref">Review pages 68&#8211;70, 78&#8211;79 and 85&#8211;88.</p> |
| **Change Request** |
| <p id="krugmanwellsessentials4e-ch3-p264" block\_type="sp-stp-txt">**<phrase block\_type="step"><phrase block\_type="step-green">STEP</phrase> &#124; <phrase block\_type="step-green">1</phrase></phrase><phrase block\_type="step-title"><strong>**Draw and label supply and demand curves. Find the equilibrium quantity demanded.</strong>  **<phrase block\_type="step-subtext">**Review pages 68&#8211;70, 78&#8211;79 and 85&#8211;88.**</phrase></phrase>**</p> |

Note the use of nested <phrase> tags, highlighted in green.

The Step feature is a good example of needed substructure. It requires looking at the displayed text and providing XML elements to represent various styles. Each word or phrase that is different needs a container of some sort, usually a <phrase> tag with a block type.

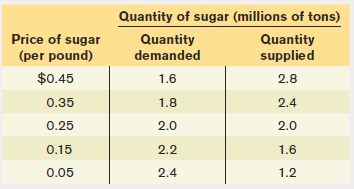
# Tables

A different approach will be used with tables. Classes will be used to indicate the styling needed for rows and cells. (Note: the Digital First platform allows the use of classes on <tr> and <td> elements.) Also note the use of <br/> in column headers. These are needed to better size the columns, which are usually sized by the largest contents, the column header cells.

|  |  |
| --- | --- |
| 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) |

Some of these classes are used in the example below. Note that <phrase> tags around cell content have been removed. The styling attributes needed to be moved from the content to the containing cell or row tags. The original table XML is not reproduced below. Basically, it does not contain the tags shown in the example, and it contained phrases with block\_types that have been removed. Also, colspan was added to the first header row. This was needed in several tables and its use is encouraged to represent the table structure.

|  |
| --- |
| <table id="krugmanwellsessentials4e-ch3-untab-3" block\_type="un\_table">  <layout align="center" width="large"/>  <tbody>  <tr class="tbl-hdr-bg">  <td></td>  <td colspan="2" class="tbl-bborder"><strong>Quantity of sugar (millions of tons)</strong></td>  </tr>  <tr class="tbl-hdr-bg">  <td><strong>Price of sugar<br/>(per pound)</strong></td>  <td><strong>Quantity<br/>demanded</strong></td>  <td><strong>Quantity<br/>supplied</strong></td>  </tr>  <tr class="tbl-td-light">  <td class="tbl-rborder">&#36;0.45</td>  <td class="tbl-rborder">1.6</td>  <td>2.8</td>  </tr>  <tr class="tbl-td-dark">  <td class="tbl-rborder">0.35</td>  <td class="tbl-rborder">1.8</td>  <td>2.4</td>  </tr>  <tr class="tbl-td-light">  <td class="tbl-rborder">0.25</td>  <td class="tbl-rborder">2.0</td>  <td>2.0</td>  </tr>  <tr class="tbl-td-dark">  <td class="tbl-rborder">0.15</td>  <td class="tbl-rborder">2.2</td>  <td>1.6</td>  </tr>  <tr class="tbl-td-light">  <td class="tbl-rborder">0.05</td>  <td class="tbl-rborder">2.4</td>  <td>1.2</td>  </tr>  </tbody>  </table> |



# Problem Section ­- Questions

The Problems section consists of a list of numbered questions. Currently there are no numbers provided, and the questions are not in a list.

This section will not be interactive. Therefore, these “questions” can be implemented as a simple, numbered list. The <question> tags can be changed into <li> containers and all wrapped in a numbered list.