 Hcard Interoperability Demo

The following table contains content controls (structured document tags) that are bound to Hcard elements in a custom XML part that contains XHTML markup. The XHTML may contain semantics that conform to the Hcard microformat, and if so the appropriate elements will be mapped to the content controls.

By renaming this document to .ZIP and opening it with a ZIP utility (or the built-in compressed folders support in Windows), you can view the markup that enables this interoperability:

* **To see the custom XML part containing Hcard markup**, see item1.xml in the customXml folder. Note also item1props.xml, which exists primarily to assign a GUID to the custom XML part. Since the GUID is assigned by a separate part, the custom XML part itself can be replaced without any need for knowing the GUID. For example, you can go to a web page that includes an Hcard and paste a copy of its XHTML markup into the custom XML part (item1.xml), and when you open the document as a DOCX the content controls will be bound to the nodes in your new custom XML part.
* **To see the structured document tags**, with their XPath expressions binding them to nodes in the custom XML part, see document.xml in the Word folder. Note the sdt elements, and their dataBinding elements within each one. The XPath expressions used in the dataBinding elements are based on the class attribute (typically added to DIVs and SPANs).

This document is a demonstration only, and does not include support for multiple instances of the same Hcard element or other variations. The intent here is to show the basic architectural concepts that allow an Open XML document to contain XML parts that conform to custom (i.e., non-OOXML) schemas.

|  |  |  |
| --- | --- | --- |
| Description: | Hcard attribute/identifer: | Bound content control: |
| First name | Class=”given-name” | Doug |
| Last name | Class=”family-name” | Mahugh |
| Email | Class=”email” | dmahugh@microsoft.com |
| Street address | Class=”street-address” | One Microsoft Way |
| City | Class=”locality” | Redmond |
| State | Class=”region” | WA |
| Postal code | Class=”postal code” | 98052 |
| Phone# | Class=”tel”/class=”value” | +1-425-882-8080 |