

CTS2 Web Application and UI Widget URLs and Code

Below are the URLs and snippets of code that we will use for the web application and UI widgets section of the CTS2 tutorial.

JSFiddle

[JSFiddle](#) is a playground for web developers, a tool that may be used in many ways. One can use it as an online editor for snippets build from HTML, CSS and JavaScript. The code can then be shared.

<http://jsfiddle.net/>

Optional Firefox Add-On – JSONView 0.7

This is a tool that displays JSON in easily readable format.

JavaScript Basics

Most Basic CTS2 Service REST call

```
$.getJSON("http://informatics.mayo.edu/cts2/rest/codesystem/SNOMEDCT?format=json&callback=?",  
  
function(cts2JSON) {  
    document.write(cts2JSON.codeSystemCatalogEntryMsg.codeSystemCatalogEntry.codeSystemName);  
});
```

CodeSystem SNOMEDCT in JSON

<http://informatics.mayo.edu/cts2/rest/codesystem/SNOMEDCT?format=json>

Basic Code System examples - JSFiddle

<http://jsfiddle.net/coryendle/yPC4K/>

<http://informatics.mayo.edu/cts2/rest/valuesets?format=json>

<http://informatics.mayo.edu/cts2/rest/valueset/SOFA?format=json>

Code System Example – Add new row – About -- VARIABLE

```
var about =  
cts2JSON.codeSystemCatalogEntryMsg.codeSystemCatalogEntry.about;
```

Code System Example – Add new row – About -- HTML

```
"<tr><td class=\"noWrap\">About:</td><td>" + about + "</td></tr>"  
+
```

Basic Value Set examples - JSFiddle

<http://jsfiddle.net/coryendle/rLSUa/>

<http://informatics.mayo.edu/cts2/rest/valuesets?format=json>

<http://informatics.mayo.edu/cts2/rest/valueset/SOFA?format=json>

<http://informatics.mayo.edu/cts2/rest/valueset/SOFA/resolution?format=json>

Tooltip Widget

REST call to retrieve a list of Value Sets

<http://informatics.mayo.edu/cts2/rest/valuesets>

REST call to retrieve a Value Set based on an ID

<http://informatics.mayo.edu/cts2/rest/valueset/skos?format=json>

JSFiddle Tooltip Widget

<http://jsfiddle.net/coryendle/n9bWF/>

HTML code for new Tooltip

```
<p><a href="#" class="hint_vs" data-id="skos">SKOS</a> Value Set  
Demo.</p>
```

JavaScript code to add a display row to the tooltip - Variable:

```
var entryState =  
valueSetJson.valueSetCatalogEntryMsg.valueSetCatalogEntry.entryState;
```

JavaScript code to add a display row to the tooltip - Row:

```
"<tr><td class=\"noWrap\">Entry State:</td><td>" + entryState +  
"</td></tr>" +
```

Dropdown Widget

Retrieve a list of available Value Sets from PHINVADS CTS2 service

**[http://informatics.mayo.edu/cts2/services/phinvads/valuesets?maxto
return=100](http://informatics.mayo.edu/cts2/services/phinvads/valuesets?maxto
return=100)**

Search results for the Value Set Name:

PHVS_BirthCountry_CDC

Retrieved the resolved values for PHVS_BirthCountry_CDC

**[http://informatics.mayo.edu/cts2/services/phinvads/valueset/PHVS_B
irthCountry_CDC/resolution?format=json](http://informatics.mayo.edu/cts2/services/phinvads/valueset/PHVS_B
irthCountry_CDC/resolution?format=json)**

JSFiddle Dropdown Widget

<http://jsfiddle.net/coryendle/bhTaD/>

HTML Code for new Dropdown

**

 Country of Birth: <select class="cts2-valueset(name :
PHVS_BirthCountry_CDC;max:500)"></select>**

CTS2 Viewer

<https://informatics.mayo.edu/vsmc/?showAll=true>

CTS2 Maintenance Editor

<http://informatics.mayo.edu/exist/cts2/rest/editor/console>