

Display search results from the CUL web page GSA collection

Get search results from the CUL libraries collection

Default html interface:

http://web.search.cornell.edu/search?client=default_frontend&site=libraries&q=canoe

Here is a form that gives you results with the default interface:

```
<form action="http://web.search.cornell.edu/search" method="GET" name="gs">
<label for="search-form-query">SEARCH Cornell University Library Websites:<br /></label>
<input type="text" name="q" value="" size="50" maxlength="256" id="search-form-query" />
<input type="submit" name="btnG" value="go" id="search-form-submit" />
<input type="hidden" name="sort" value="" />
<input type="hidden" name="ie" value="UTF-8" />
<input type="hidden" name="gsa_client" value="default_frontend" />
<input type="hidden" name="oe" value="UTF-8" />
<input type="hidden" name="site" value="libraries" />  <!-- note: 'libraries' instead of 'default_collection' --
>
</form>
```

If you want to embed the results in your web page you ask for them via xml:

http://web.search.cornell.edu/search?output=xml_no_dtd&client=default_frontend&site=libraries&q=canoe

Google XML Reference site

These documents show all the details about the xml structure returned from the Google Search Appliance:

http://code.google.com/apis/searchappliance/documentation/46/xml_reference.html

Modifying the search form

To use this library collection in a standard Cornell banner, set the form action to an intermediate file that will sort out parameters for web.search.cornell.edu :

```
<form action="qna-results.cfm" method="GET" name="gs">
  <div id="search-input">
    <label for="search-form-query">SEARCH:<br /></label>
    <input type="text" name="q" value="" size="50" maxlength="256" id="search-form-query" />
    <input type="submit" name="btnG" value="go" id="search-form-submit" />
    <input type="hidden" name="output" value="xml_no_dtd" />
    <input type="hidden" name="sort" value="" />
    <input type="hidden" name="ie" value="UTF-8" />
    <input type="hidden" name="gsa_client" value="default_frontend" />
    <input type="hidden" name="oe" value="UTF-8" />
  </div>
  <div id="search-filters">
    <input type="radio" name="sitesearch" value="this-site" id="search-filters0" />
    <label for="search-filters1">This Site</label>
    <input type="radio" name="sitesearch" value="library.cornell.edu" checked="checked" id="search-
filters1" />
    <label for="search-filters1">Library Pages</label>
    <input type="radio" name="sitesearch" value="cornell.edu" id="search-filters2" />
    <label for="search-filters2">Cornell</label>
    <a href="http://web.search.cornell.edu/">more options</a>
  </div>
</form>
```

Here's a [coldfusion search example](#), and here's a [php search example](#).

Search Results - Coldfusion

Sanjeev Shukla presented Coldfusion code for handling the search results 4/12/06 at the [CU Web Forum Meeting](#). He later released a second version with some bug fixes:

http://forum.web.cornell.edu/mtg_materials/gsa_package_v2.zip

Search Results - php

I've built a php object called [~jgreidy:cul_gsa_search\(\)](#) to handle the interaction with <http://web.search.cornell.edu> and parse the xml results it returns. I also have an example wrapper script and [~jgreidy:css](#) file to display the search results. Here is the [wrapper script](#) and a [test page](#). The code you will need to use will look like this:

```
<link rel="stylesheet" type="text/css" media="screen" href="search.css" />
</head>
<body>
<?php
    require_once( "cul_web_search.php" );
    cul_web_search_form();
?>
<h2>Search Results</h2>
<?php cul_web_search_results(); ?>
```

Style the results

I've attached a [~jgreidy:css](#) stylesheet for Cornell Google search results as a starting point. Certain results may be marked as 'Keymatch Results' and these get special styling.

Here is a nice page from New York University describing [how to style the xml Google search results using xsl](#).