

Fun with Flickr Tags – Web Application

The following nineteen (19) pages consist of nine (9) code files:

1. PHP code to check difference in tags between two images (2 pages)
2. Two CSS files (9 pages)
3. PHP code to return 30 images associated with a particular tag, for the front page (1 page)
4. Footer code (1 page)
5. Header code (1 page)
6. Front/index page (1 page)
7. Javascript using jQuery for AJAX and other dynamic effects
8. PHP code for detail page (3 pages)

```
1 <?
2 /**
3  * PHP page for comparing the tag difference between two Flickr images
4  * Called through AJAX
5  * Author: Suman Srinivasan (sumans AT cs)
6  */
7 require_once("phpFlickr/phpFlickr.php");
8 // Create new phpFlickr object
9 $f = new phpFlickr("e53b625a9d95d11052ca8c9fa5f8ba4c");
10 $f->enableCache(
11     "fs",
12     "./temp/"
13 );
14
15 /* Get the tags of the two images */
16 $img1 = imageTags($_GET['num1']);
17 $img2 = imageTags($_GET['num2']);
18
19 /* Build the HTML code for displaying the thumbnails of both */
20 $p = $f->photos_getInfo($_GET['num1']);
21 $pCode1 = "<img src='". $f->buildPhotoURL($p, "Square") . "' />";
22 $p = $f->photos_getInfo($_GET['num2']);
23 $pCode2 = "<img src='". $f->buildPhotoURL($p, "Square") . "' />";
24 ?>
25
26 <!-- Common tags on both images -->
27 <p><b><? echo $pCode1 . " commn " . $pCode2 ?></b>
28 <br/> <? myprintr (array_intersect($img1, $img2)); ?>
29 <!-- Tags on image1 not in image2 = image1 - image2 -->
30 <p><b><? echo $pCode1 . " minus " . $pCode2 ?></b>
31 <br/> <? myprintr (array_diff($img1, $img2)); ?>
32 <!-- Tags on image2 not in image1 = image2 - image1 -->
33 <p><b><? echo $pCode2 . " minus " . $pCode1 ?></b>
34 <br/> <? myprintr (array_diff($img2, $img1)); ?>
35
36 <?
37
38 /**
39  * Function to get the image tags from Flickr. Returns an array/\
40  */
41 function imageTags($photo_id) {
42     global $f;
43     $p = $f->photos_getInfo($photo_id);
44     // Get the tags
45     $tags = $p['tags'];
46     $tags_raw = array();
47     // Iterate to return tag strings in proper format
48     foreach ($tags as $tags2) {
49         foreach ($tags2 as $tag) {
50             array_push($tags_raw, $tag['raw']);
51         }
52     }
53     // Return tag array
54     return $tags_raw;
55 }
56
```

```
57  /**
58   * Function to print the tag array
59   */
60  function myprintr ($arr) {
61      foreach ($arr as $a) {
62          if ($a != $arr[0]) echo ", ";
63          echo $a;
64      }
65  }
66  ?>
67
68
```

```
1  /*
2  * CSS code for the 6735 Fun with Flickr Tags application
3  * Author: Suman Srinivasan (sumans AT cs)
4  */
5
6  #main, #xbgA { width: 470px; }
7  #side {
8      width: 225px;
9  }
10 #side h3 {
11     margin-bottom: 5px;
12     width: 211px;
13 }
14 #f_middle p {
15     text-align: center;
16 }
17 #f_middle img { margin: 5px }
18 .photo {
19     padding: 10px;
20     display: inline;
21     min-height: 300px;
22 }
23 #wrapper {
24     margin: auto;
25     padding: 10px;
26     margin-top: 10px;
27     text-align: center;
28 }
29 div#compare {
30     border: 2px solid #c96;
31     background-color: #fc9;
32     padding: 5px;
33     cursor: pointer;
34 }
35 div#diff {
36     text-align: center;
37 }
38 div#diffload {
39     display: none;
40 }
41
```

```
1  /*
2
3  bookish1.0 by nodethirtythree design
4  http://www.nodethirtythree.com
5  hope you enjoy it :)
6
7  */
8  *
9  {
10 margin: 0px;
11 padding: 0px;
12 }
13
14 body
15 {
16 background: #fff url('images/bg.gif');
17 font-size: 11px;
18 font-family: "trebuchet ms", helvetica, sans-serif;
19 color: #857D74;
20 }
21
22 p
23 {
24 display: block;
25 text-align: justify;
26 }
27
28 a
29 {
30 color: #D97900;
31 text-decoration: underline;
32 }
33
34 a:hover
35 {
36 text-decoration: none;
37 background-color: #D97900;
38 color: #FFFAF3;
39 }
40
41 em
42 {
43 font-style: italic;
44 }
45
46 .date
47 {
48 font-family: georgia, "times new roman", serif;
49 font-size: 10px;
50 }
51
52 h1,h2,h3,h4,h5,h6,th
53 {
54 font-family: georgia, "times new roman", serif;
55 text-transform: lowercase;
56 font-weight: normal;
```

```
57 }
58
59 .foot
60 {
61 height: 1px;
62 line-height: 1px;
63 clear: both;
64 }
65
66 .divider
67 {
68 border-bottom: solid 1px #F6F3F1;
69 }
70
71 th strong
72 {
73 color: #fff;
74 }
75
76 table
77 {
78 border-collapse: collapse;
79 width: 100%;
80 }
81
82 th
83 {
84 background: #824900 url('images/thbg.gif') repeat-x;
85 height: 29px;
86 padding-left: 11px;
87 padding-right: 11px;
88 color: #fff;
89 text-align: left;
90 border-left: solid 1px #A8814D;
91 border-bottom: solid 2px #ffffff;
92 }
93
94 tr
95 {
96 height: 30px;
97 }
98
99 td
100 {
101 padding-left: 11px;
102 padding-right: 11px;
103 border-left: solid 1px #EED9C3;
104 border-bottom: solid 1px #ffffff;
105 }
106
107 td.first,th.first
108 {
109 border-left: 0px;
110 }
111
112 tr.rowA
```

```
113 {
114 background: #FFF0DE url('images/trbg1.gif') repeat-x;
115 }
116
117 tr.rowB
118 {
119 background: #FFFAF4 url('images/trbg2.gif') repeat-x;
120 }
121
122 #outer
123 {
124 width: 698px;
125 background: #fff url('images/mainbg.gif');
126 margin: 20px auto 0px auto;
127 padding: 10px 13px 0px 13px;
128 }
129
130 #outer2
131 {
132 width: 724px;
133 height: 3px;
134 font-size: 0px;
135 line-height: 0px;
136 padding: 0px;
137 background: #fff url('images/mainbg2.gif');
138 margin: 0px auto 0px auto;
139 }
140
141 #inner
142 {
143 background-image: url('images/cbg2.gif');
144 background-repeat: repeat-y;
145 }
146
147 #header
148 {
149 position: relative;
150 height: 80px;
151 background-image: url('images/headbg.gif');
152 }
153
154 #header h1
155 {
156 position: absolute;
157 bottom: 10px;
158 font-size: 26px;
159 padding-left: 26px;
160 color: #fff;
161 }
162
163 #header h1 strong
164 {
165 color: #fff;
166 }
167
168 #header h1 span
```

```
169 {
170 color: #D97900;
171 }
172
173 #menu
174 {
175 position: absolute;
176 right: 0px;
177 padding-right: 26px;
178 bottom: 14px;
179 color: #A75300;
180 }
181
182 #menu ul
183 {
184 list-style: none;
185 }
186
187 #menu li
188 {
189 float: left;
190 border-left: solid 1px #A75300;
191 padding-left: 8px;
192 margin-left: 8px;
193 }
194
195 #menu li.first
196 {
197 margin-left: 0px;
198 padding-left: 0px;
199 border-left: 0px;
200 }
201
202 #menu a
203 {
204 color: #fff;
205 }
206
207 #xbgA
208 {
209 height: 31px;
210 width: 500px;
211 position: absolute;
212 top: 0px;
213 background-image: url('images/cbg1.gif');
214 z-index: 1;
215 }
216
217 #xbgB
218 {
219 position: relative;
220 height: 32px;
221 width: 500px;
222 background-image: url('images/cbg3.gif');
223 z-index: 1;
224 }
```

```
225
226 #main
227 {
228   position: relative;
229   width: 500px;
230   margin: 3px -500px 0px 0px;
231   float: left;
232 }
233
234 #main_inner
235 {
236   padding: 31px 28px 18px 18px;
237   position: relative;
238   z-index: 5;
239 }
240
241 #main ul
242 {
243   list-style: none;
244 }
245
246 #main li
247 {
248   padding-left: 12px;
249   background-image: url('images/bullet.gif');
250   background-repeat: no-repeat;
251   background-position: 0px 6px;
252 }
253
254 #main h2,h3
255 {
256   color: #6C3C1E;
257 }
258
259 #main h2
260 {
261   font-size: 22px;
262   background-image: url('images/db1.gif');
263   background-repeat: no-repeat;
264   height: 60px;
265   padding-left: 22px;
266   margin-bottom: -15px;
267 }
268
269 #main h3
270 {
271   font-size: 12px;
272   background-image: url('images/db2.gif');
273   background-repeat: no-repeat;
274   height: 50px;
275   padding-left: 22px;
276   margin-bottom: -15px;
277 }
278
279 #main p
280 {
```

```
281 margin-bottom: 14px;
282 }
283
284 #main p strong
285 {
286 color: #725D46;
287 }
288
289 #main .content
290 {
291 position: relative;
292 padding-left: 22px;
293 }
294
295
296 img.cpic
297 {
298 position: relative;
299 top: -8px;
300 background-image: url('images/imgbg.gif');
301 width: 97px;
302 height: 73px;
303 padding: 10px;
304 }
305
306 img.right
307 {
308 float: right;
309 margin-left: 14px;
310 }
311
312 #main .divider
313 {
314 margin: 20px 0px 20px 0px;
315 }
316
317 #col1
318 {
319 position: relative;
320 width: 202px;
321 float: left;
322 border-right: solid 1px #F6F3F1;
323 padding-right: 20px;
324 }
325
326 #col2
327 {
328 position: relative;
329 width: 202px;
330 margin-left: 242px;
331 }
332
333 #side
334 {
335 position: relative;
336 float: right;
```

```
337 width: 194px;
338 margin: 3px 0px 0px 3px;
339 }
340
341 #side h3
342 {
343 background-image: url('images/rhbg.gif');
344 width: 180px;
345 height: 23px;
346 color: #fff;
347 font-size: 11px;
348 padding: 9px 0px 0px 14px;
349 }
350
351 #side .content
352 {
353 background-image: url('images/rhbg2.gif');
354 background-repeat: repeat-x;
355 padding: 22px 14px 0px 14px;
356 margin: 3px 0px 20px 0px;
357 }
358 }
359
360 #side ul
361 {
362 list-style: none;
363 }
364
365 #side li
366 {
367 border-top: solid 1px #F6F3F1;
368 padding-top: 5px;
369 margin: 5px 0px 0px 0px;
370 }
371
372 #side li.first
373 {
374 border-top: 0px;
375 margin-top: 0px;
376 padding-top: 0px;
377 }
378
379 #side .divider
380 {
381 margin: 14px 0px 14px 0px;
382 }
383
384 #footer
385 {
386 width: 698px;
387 margin: 12px auto 0px auto;
388 padding-bottom: 24px;
389 text-align: center;
390 color: #6495A3;
391 }
392
```

```
393 #footer a
394 {
395   color: #7DAFBD;
396 }
397
398 #footer a:hover
399 {
400   background-color: #7DAFBD;
401   color: #E8FAFF;
402 }
403
```

```
1  <?php
2  /*
3   * PHP code for returning the top 30 images for a tag.
4   * Displayed on the front page using AJAX.
5   * Author: Suman Srinivasan (sumans AT cs)
6   */
7
8  require_once("phpFlickr/phpFlickr.php");
9  // Create new phpFlickr object
10 $f = new phpFlickr("e53b625a9d95d11052ca8c9fa5f8ba4c");
11 $f->enableCache(
12     "fs",
13     "./temp/"
14 );
15
16     $i = 0; // counter
17
18     /* If user has entered some tags, get them */
19     $tags = urlencode($_GET['tags']);
20     // Get the first 30 public photos associated with the tag
21     $photos = $f->photos_search(array('tags' => $tags,
22     'tag_mode' => $tag_mode, 'per_page' => '30'));
23
24     // Loop through the photos and output the html
25     foreach ((array)$photos['photo'] as $photo) {
26         echo "<a href=\"morephotos.php?photoid=$photo[id]\">";
27         echo "";
29         echo "</a>";
30         $i++;
31         // If it reaches the sixth photo, insert a line break
32         // to make it continue on next line
33         if ($i % 6 == 0) {
34             echo "<br>\n";
35         }
36     }
37 }
38 ?>
39
```

```
1         <div id="xgbB" class="foot"></div>
2     </div>
3 </div>
4 <div id="outer2"></div>
5
6 <div id="footer">
7     &copy; 2008 <a href="http://www1.cs.columbia.edu/~sumans/">
Suman Srinivasan</a>. Design by <a href=
"http://www.nodethirtythree.com">NodeThirtyThree</a> + <a href=
"http://www.freecsstemplates.org/">Free CSS Templates</a>
8 </div>
9
10 </body>
11 </html>
12
13
```

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
2 <!--
3
4 Design by Free CSS Templates
5 http://www.freecsstemplates.org
6 Released for free under a Creative Commons Attribution 2.5 License
7
8 Name      : Bookish
9 Version   : 1.0
10 Released  : 20080425
11
12 -->
13 <html>
14 <head>
15 <meta http-equiv="content-type" content="text/html; charset=utf-8" />
16 <title>COMS6735 - Fun with Flickr Tags - Suman Srinivasan</title>
17 <script type="text/JavaScript" src="jquery.js"></script>
18 <script type="text/JavaScript" src="6735.js"></script>
19 <meta name="keywords" content="" />
20 <meta name="description" content="" />
21 <link rel="stylesheet" type="text/css" href="default.css" />
22 <link rel="stylesheet" type="text/css" href="6735.css" />
23 </head>
24 <body>
25
26 <div id="outer">
27
28   <div id="header">
29     <h1><span>COMS 6735</span> <strong>Fun With</strong> Flickr Tags
30   </h1>
31   <div id="menu">
32     <ul>
33       <li class="first"><a href=".">Search page</a></li>
34       <li><a href="http://www1.cs.columbia.edu/~sumans/">Suman's
35       home page</a></li>
36     </ul>
37   </div>
38   <div id="inner">
39
40
41
42
```

```
1  <?
2  /*
3   * The main front page for the 6735 Fun with Flickr Tags application
4   * Author: Suman Srinivasan (sumans AT cs)
5   */
6  include ("_header1.php");
7  ?>
8   <br/>
9   <div id="f_top" style="text-align:center">
10    <input type="text" id="tag">
11    <input type="submit" id="generate" value="Get images!">
12  </div>
13  <br/>
14  <div id="f_middle"><p> </p></div>
15  <br/>
16  <div id="f_bottom"><p> </p></div>
17
18  <?
19  include ("_footer1.php");
20  ?>
21
```

```
1  /*
2  * jQuery code for the 6735 Fun with Flickr Tags application
3  * Author: Suman Srinivasan (sumans AT cs)
4  */
5
6  // When the document has been loaded, execute the following
7  $(document).ready(function(){
8      // When AJAX send request is made, show spinning icon
9      $.ajaxSend(function(r,s){
10         $("#diffload").show();
11     });
12
13     // When AJAX has finished, hide the spinning icon
14     $.ajaxStop(function(r,s){
15         $("#diffload").hide();
16     });
17
18     // When generate button is clicked, load the tag images with AJAX
19     $("#generate").click(function(){
20         $("#f_middle p").hide();
21         $("#f_middle p").load("flickr_top.php?tags=" + encodeURIComponent
22 (document.getElementById("tag").value));
23         $("#f_middle p").fadeIn("slow");
24     });
25
26     // Mouse over on the photos in the details page selects it
27     $("#div.photo").mouseover(function() {
28         // Change background color
29         $("#div.photo").css({backgroundColor:"white"});
30         $(this).css({backgroundColor:"#D97900"});
31         // Get the ID of the image
32         var idval = $(this).attr("id");
33         $("#input#pcompid").val(idval);
34         // Show this in the selected images box
35         var diffimage = $(this).html();
36         $("#div#diffimage").html(diffimage);
37     });
38
39     // Clicking compare issues a AJAX call to compare the two Flickr
40     image tags
41     $("#div#compare").click(function() {
42         var num1 = $("#input#mainid").val();
43         var num2 = $("#input#pcompid").val();
44         $("#div#diff").load("ajax_checkdiff.php?num1=" + num1 + "&num2=" +
45 num2).slideDown();
46     });
47 }
```

```
1  <?php
2  /*
3   * The detail page for the 6735 Fun with Flickr Tags application
4   * Author: Suman Srinivasan (sumans AT cs)
5   */
6
7  include ("_header1.php");
8  ?>
9          <div id="main">
10             <div id="xbgA"></div>
11
12             <div id="main_inner">
13
14 <?
15 require_once("phpFlickr/phpFlickr.php");
16 // Create new phpFlickr object
17 $f = new phpFlickr("e53b625a9d95d11052ca8c9fa5f8ba4c");
18
19 // Enable transparent caching.
20 $f->enableCache(
21     "fs",
22     "./temp/"
23 );
24
25 // Get photo data
26 $photo_id = $_GET['photoid'];
27
28 // Get Flickr photo information
29 $p = $f->photos_getInfo($photo_id);
30 ?>
31
32 <?
33 echo "<h1>Tags on photo ID #$photo_id</h1><br/>\n\n";
34
35 // Get a list of tags for the given photo, loop through and display
36 // them.
37 $tags = $p['tags'];
38 foreach ($tags as $tags2) {
39     foreach ($tags2 as $tag) {
40         // Output the tag name
41         echo "<h2>" . $tag['raw'] . " :</h2>";
42
43         // Get the recent photos associated with that tag from Flickr
44         $photos = $f->photos_search(array('tags' => $tag['raw'],
45             'tag_mode' => 'any',
46             'per_page' => '8'));
47
48         // Loop through the photos and output the html
49         foreach ((array)$photos['photo'] as $photo) {
50             echo "\n<div class='photo' id='$photo[id]'>";
51             echo "<a href=\"morephotos.php?photoid=$photo[id]\">";
52             echo "";
54             echo "</a>";
55         }
56     }
57 }
58 echo "</div>";
59 $i++;
```

```
55     }
56     echo "<p>&nbsp;</p>\n\n";
57 }
58 }
59 ?>
60                                     <!-- Main End -->
61     <div class="foot"></div>
62                                     </div>
63     </div>
64
65     <div id="side">
66         <!-- Side start -->
67     <div style="text-align:center">
68     <h3>Original image</h3>
69     <?
70     /**
71     * Output the details about this main photo
72     */
73     echo "<div style='text-align:center;'><img style='width: 210px;'
74     src='http://static.flickr.com/{$_SERVER['server']}/{$_ID}_{$SECRET}'
75     .jpg' alt='{$_TITLE}' />\n";
76     ?>
77     <p>Title: <? echo $_TITLE; ?>
78     <p>Description: <? echo $_DESCRIPTION; ?>
79     <p>Date taken: <? echo $_DATES['taken']; ?>
80     <p>Owner name: <? echo $_OWNER['username'] ?>
81     <p>Owner real name: <? echo $_OWNER['realname'] ?>
82     <p>Owner location: <? echo $_OWNER['location'] ?>
83     <?
84     echo "</div>\n\n";
85
86     /**
87     * The rest of the page is the placeholder for the AJAX-based tags
88     comparison
89     * on two images
90     */
91     ?>
92     <br/>
93     <h3>Selected image</h3>
94     <div id='diffimage'></div>
95     <br/>
96     <form id="myform" action="">
97     <input type="hidden" id="mainid" name="mainid" value="<? echo $_GET[
98     'photoid'] ?>">
99     <input type="hidden" id="pcompid" name="pcompid" value="">
100    <div id="compare" name="compare">Compare</div>
101    </form>
102    <div id='diffload'><img src=
103    "http://www.yup.com/lib/spinners/spinner_moz.gif" /></div>
104    <br/>
105    <h3>Comparison</h3>
106    <div id='diff'></div>
107
108    </div>
109
110    <!-- Side end -->
```

```
106     </div>
107
108     <?
109     include("_footer1.php");
110     ?>
111
```