

```
1 <? //CONNECT TO THE DATABASE
2
3 $connect = mysql_connect("dave-harrison.com","davidh_fyp","3202project");
4     mysql_select_db("davidh_finalyearproject",$connect)
5
6     or die ( "Failed to connect to the Database at Dave-Harrison.com");
7     //print "connected successfully to the database at dave-harrison.com";
8
9
10 // CHECK IF THE FORM HAS BEEN COMPLETED
11
12 if (
13     (isset($_POST['tweet_id']))
14     and (isset($_POST['identity']))
15     and (isset($_POST['tweet-type']))
16     and (isset($_POST['reason']))
17 ) {
18
19     //A form has been submitted
20
21
22     //Set the initial values from the form (these stored in pattern $raw_name or
23     $raw_name_subgroup ($raw_identity, $raw_identity_group etc)
24
25     $raw_identity = strip_tags($_POST['identity']);
26     $raw_identity_celeb= strip_tags($_POST['identity_celeb']);
27     $raw_identity_group= strip_tags($_POST['identity_group']);
28     $raw_identity_organisation= strip_tags($_POST['identity_organisation']);
29
30     $raw_tweettype = strip_tags($_POST['tweet-type']);
31
32     $raw_reason = strip_tags($_POST['reason']);
33     $raw_opinion = strip_tags($_POST['opinion']);
34
35     $raw_opinion_checkbox = strip_tags($_POST['opinion_checkbox']);
36
37     //Set the outgoing variables
38
39     $sqlinsert_tweetID = ($_POST['tweet_id']);
40     echo $sqlinsert_tweetID;
41
42     $sqlinsert_identity="";
43
44     $sqlinsert_tweettype="";
45
46     $sqlinsert_reason="";
47
48     $sqlinsert_identity_other = "";
49     $sqlinsert_identity_other_type = "";
50     $sqlinsert_reason_other = "";
51
52     $sqlinsert_opinion = "";
53
54     // Markers to flag "others" that require a variable to be written to another
55     table!
56
57     $marker_other_identity = 0;
58     $marker_other_reason = 0;
59
60     $incomplete = 0; //error marker - set to 1 if a loop finds no desired
61     return.
62
63     //Set the right SQL Output for the Identity
64
65     if ($raw_identity=="individual"){
66         // Individual
67         if($raw_identity_celeb == "true"){
68             //celebrity
69             $sqlinsert_identity = "Individual (Celebrity)";
```

```
70         } else {
71             // not celebrity - "average joe"
72             $sqlinsert_identity = "Individual (Not Celebrity)";
73         }
74
75
76     } elseif ($raw_identity == "group"){
77         //GROUP
78         if ($raw_identity_group == "interest"){
79             //Special Interest Group
80             $sqlinsert_identity = "Group (Special Interest)";
81         } elseif ($raw_identity_group == "group_other"){
82             //Other
83             $sqlinsert_identity = "Group (Other)";
84             $marker_other_identity = 1;
85             $sqlinsert_identity_other_type = "group";
86             $sqlinsert_identity_other =
87             mysql_real_escape_string(strip_tags($_POST['group_other']));
88         }
89
90     }elseif ($raw_identity == "organisation") {
91         //ORGANISATION
92
93         if ($raw_identity_organisation == "business"){
94             //Business
95             $sqlinsert_identity = "Organisation (Business)";
96
97         } elseif ($raw_identity_organisation == "academic"){
98             //Academic
99             $sqlinsert_identity = "Organisation (Academic)";
100
101         } elseif ($raw_identity_organisation == "team"){
102             //Team
103             $sqlinsert_identity = "Organisation (Team)";
104
105         } elseif ($raw_identity_organisation == "charity") {
106             //Charity
107             $sqlinsert_identity = "Organisation (Charity)";
108
109         } elseif ($raw_identity_organisation == "organisation_other"){
110             //Other Organisation
111             $sqlinsert_identity = "Organisation (Other)";
112             $marker_other_identity = 1;
113             $sqlinsert_identity_other_type = "Organisation";
114             $sqlinsert_identity_other =
115             mysql_real_escape_string(strip_tags($_POST['organisation_other']));
116
117         } else {
118             $incomplete = 1;
119         }
120
121     }
122
123
124 //echo $sqlinsert_identity;
125
126 // SET THE APPROPRIATE TWEET TYPE --> $sqlinsert_tweettype
127
128 if ($raw_tweettype == "personal"){
129     //Personal
130     $sqlinsert_tweettype = "Personal";
131 } elseif ($raw_tweettype == "professional"){
132     //Professional
133     $sqlinsert_tweettype = "Professional";
134 } else{
135     $incomplete = 1;
136 }
137
138 //echo $sqlinsert_tweettype;
```

```
139
140
141 // SET THE APPROPRIATE REASON --> $sqlinsert_reason
142
143 if ($raw_reason == "event"){
144     //EVENT
145     $sqlinsert_reason = "Event";
146 } elseif ($raw_reason == "promote"){
147     //PROMOTE
148     $sqlinsert_reason = "Promote";
149 } elseif ($raw_reason == "conversation"){
150     //CONVERSATION
151     $sqlinsert_reason = "Conversation";
152
153 } elseif ($raw_reason == "joke"){
154     //JOKE
155     $sqlinsert_reason = "Joke";
156
157 } elseif ($raw_reason == "reason_other") {
158     $sqlinsert_reason = "Other";
159     $marker_other_reason = 1;
160     $sqlinsert_reason_other =
161     mysql_real_escape_string(strip_tags($_POST['reason_other']));
162 } else {
163     $incomplete = 1;
164 }
165
166 // SET APPROPRIATE OPINION --> $sqlinsert_opinion
167
168 if ($raw_opinion_checkbox == "ticked"){
169     //OPINION
170     if ($raw_opinion == "positive"){
171         //good opinion
172         $sqlinsert_opinion = "Positive";
173
174     } elseif ($raw_opinion == "negative"){
175         //bad opinion
176         $sqlinsert_opinion = "Negative";
177
178     } elseif ($raw_opinion == "neutral"){
179         //neutral opinion
180         $sqlinsert_opinion = "Neutral";
181     } else {
182         $incomplete = 1;
183     }
184 } else {
185     $sqlinsert_opinion = "None";
186 }
187
188
189
190 if ($incomplete == 1){
191     //skip the inserting
192
193 } else {
194     //insert
195
196     $insert_classifying = ("INSERT INTO classifying VALUES ('$sqlinsert_tweetID',
197     '$sqlinsert_identity', '$sqlinsert_tweettype',
198     '$sqlinsert_reason', '$sqlinsert_opinion')");
199     mysql_query($insert_classifying);
200
201     $counter_update = ("UPDATE tweet_tag_count SET counter = counter + 1 WHERE
202     tweet_id = '$sqlinsert_tweetID'");
203     mysql_query($counter_update);
204
205     $tweetposted = 1;
206
207
```

```
208 if ($marker_other_identity ==1) {
209     // Need to add something to the other_identities table
210
211     $insert_other_identity = ("INSERT INTO other_identities VALUES
212     ('$sqlinsert_tweetID', '$sqlinsert_identity_other_type',
213     '$sqlinsert_identity_other')");
214     mysql_query($insert_other_identity);
215
216 }
217 if ($marker_other_reason ==1) {
218     // Need to add something to the other_reasons table
219
220     $insert_other_reason= ("INSERT INTO other_reasons VALUES ('$sqlinsert_tweetID',
221     '$sqlinsert_reason_other')");
222     mysql_query($insert_other_reason);
223
224
225 }
226
227 }
228
229
230 } else {
231
232
233
234 }
235
236
237
238 // ===== BUILD THE PAGE FOR THE NEXT TWEET! ===== (end of Database stuff)
239
240 //Get tweet details from DB
241
242 $sql = mysql_query('SELECT *
243                     FROM tweets, tweet_tag_count
244                     WHERE TeachingGroup = 1
245                        AND tweets.tweet_id = tweet_tag_count.tweet_id
246                        AND tweet_tag_count.counter < 5
247                     ORDER BY RAND()
248                     LIMIT 1');
249
250 $ToArray = mysql_fetch_array($sql);
251
252
253 //and store as variables
254 $tweetID = $ToArray['tweet_id'];
255 $tweet_text = $ToArray['tweet_text'];
256 $TwitterName = $ToArray['screen_name'];
257 $RealName = $ToArray['name'];
258 $createdtime = $ToArray['created_at'];
259
260 ?>
261
262
263
264 <html>
265     <head>
266         <title>Classifying Tweets - David Harrison</title>
267
268         <!-- Bootstrap -->
269         <link href="css/bootstrap.min.css" rel="stylesheet">
270
271
272
273         <!-- Form JS -->
274
275         <script src="http://code.jquery.com/jquery-1.9.0.js"></script>
276         <script src="js/bootstrap.js"></script>
```

```
277
278
279     </head>
280
281 <body>
282 <div class="container">
283
284
285
286
287
288     <div class="row">
289         <h1>Classifying Tweets</h1>
290
291         <small>A Final Year Project by <a href="http://www.dave-harrison.com">David
292             Harrison</a> at <a href="http://www.cs.cf.ac.uk">Cardiff University</a><br>
293 <span class="text-muted">Please don't refresh this page</span></small>
294
295 <?    $get_number_tagged_query_5 = ('SELECT count(tweet_id) from tweet_tag_count WHERE
296 counter = 5');
297     $number_tagged_5 = mysql_fetch_array(mysql_query($get_number_tagged_query_5));
298
299     $get_number_tagged_query_34 = ('SELECT count(tweet_id) from tweet_tag_count
300 WHERE counter = 4 OR counter = 3');
301     $number_tagged_34 = mysql_fetch_array(mysql_query($get_number_tagged_query_34));
302
303     $get_number_tagged_query_21 = ('SELECT count(tweet_id) from tweet_tag_count
304 WHERE counter = 0 OR counter = 1 OR counter = 2');
305     $number_tagged_21 = mysql_fetch_array(mysql_query($get_number_tagged_query_21));
306
307     $green = $number_tagged_5['count(tweet_id)'];
308     $orange = $number_tagged_34['count(tweet_id)'];
309     $red = $number_tagged_21['count(tweet_id)'];
310 ?>
311
312
313
314 <div class="progress">
315     <div class="progress-bar progress-bar-success" style="width: <? echo $green; ?>%"
316         rel="tooltip" data-placement="bottom" title="<? echo $green; ?> tweets have been
317         completely tagged!">
318         <span><? echo $green; ?> done</span>
319     </div>
320     <div class="progress-bar progress-bar-warning" style="width: <? echo $orange; ?>%"
321         rel="tooltip" data-placement="bottom" title="<? echo $orange; ?> tweets have been
322         tagged a couple of the required five times">
323         <span><? echo $orange; ?> nearly done!</span>
324     </div>
325     <div class="progress-bar progress-bar-danger" style="width: <? echo $red; ?>%"
326         rel="tooltip" data-placement="bottom" title="<? echo $red; ?> tweets have been tagged
327         once or less...">
328         <span><? echo $red; ?> unclassified</span>
329     </div>
330 </div>
331
332     <hr \>
333 </div>
334
335 <? if ($tweetposted ==1){
336
337     ?>
338
339     <div class="alert alert-success alert-dismissable">
340         <button type="button" class="close" data-dismiss="alert"
341             aria-hidden="true">&times;</button>
342         <strong>Tweet Posted!</strong> Thanks a lot, there are still loads more tweets
343         that need tagging though! Here's another...</div>
344
345
```

```
346     <? } ?>
347
348
349     <!-- DISPLAY THE TWEET -->
350     <div class="row">
351     <h3>Looking at this tweet:</h3>
352
353     <div class="col-lg-9 col-lg-offset-2 col-md-9 col-md-offset-2 col-sm-12 col-xs-12">
354
355         <blockquote class="twitter-tweet" lang="en"><p><? echo $tweet_text;
356             ?></p>&mdash; <? echo $RealName; ?> (@<? echo $TwitterName; ?>) <a
357             href="https://twitter.com/<?php echo $TwitterName;?>/statuses/<? echo $tweetID;
358             ?>">February 7, 2014</a></blockquote>
359     <script async src="//platform.twitter.com/widgets.js" charset="utf-8"></script>
360     </div>
361
362 </div>
363 <div class="row">
364 <p class="small">If a tweet does not display correctly - simply <a
365 href="http://fyp.dave-harrison.com"><span rel="tooltip" title="Do not refresh this
366 page.">click here</span></a></p>
367 <p class="small">You're welcome to <span rel="tooltip" data-placement="bottom"
368 title="Be sure to open it in a new tab">click through to their account </span>if you
369 need any more information or context...</p>
370
371
372
373 <h3>Who is sending the tweet, and for what reason?</h3>
374 <small><span rel="tooltip" data-placement="top" title="Well done, that's
375 hovering.">Hover</span> over any option for a brief description</small>
376 </div>
377 <form action="index.php" method="post">
378     <input name="tweet_id" type="hidden" value="<? echo $tweetID; ?>">
379
380
381 <div id="QLeft" class="col-md-6 col-xs-6 col-sm-6 col-lg-6">
382
383
384 <div class="radio">
385     <label><span rel="tooltip" data-placement="right" title="Sent by one person on
386     their own behalf">An individual person</span></label>
387     <input type="radio" name="identity" value="individual" data-id="Options_Ind">
388 </div>
389
390     <div id="Options_Ind" class="none col-sm-12 col-xs-12 col-md-11
391     col-md-offset-1 col-lg-12 col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
392
393         <div class="checkbox">
394             <label><span rel="tooltip" data-placement="right" title="e.g. A
395             sports personality or public figure">This is a well known person or
396             celebrity</span></label>
397             <input type="checkbox" name="identity_celeb" value="true">
398         </div>
399     </div>
400
401
402 <div class="radio">
403     <label><span rel="tooltip" data-placement="right" title="Sent by, or on behalf
404     of, more than one person">A Group</span></label>
405     <input type="radio" name="identity" value="group" data-id="ID_Group">
406 </div>
407
408     <div id="ID_Group" class="none">
409         <div class="col-sm-11 col-xs-11 col-md-11 col-md-offset-1 col-lg-11
410         col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
411
412             <div class="radio">
413                 <label><span rel="tooltip" data-placement="right" title="A group
414                 with a set agenda - for instance a fan group or political
```

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415         movement">Special Interest Group</span></label>
416         <input type="radio" name="identity_group" value="interest"
417         data-id="blank">
418     </div>
419
420     <div class="radio">
421         <label><span rel="tooltip" data-placement="right" title="State
422         Below">Other</span></label>
423         <input type="radio" name="identity_group" value="group_other"
424         data-id="group_other">
425     </div>
426     <div id="blank"></div>
427     <div id="group_other" class="none">
428         <div class="col-sm-12 col-xs-12 col-md-11 col-md-offset-1
429         col-lg-12 col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
430             <input type="text" placeholder="Please State"
431             name="group_other" id="group_other">
432         </div>
433     </div>
434
435
436
437
438     </div>
439 </div>
440
441
442 <div class="radio">
443 <label>An <span rel="tooltip" data-placement="right" title="Sent by an organisation
444 with a particular purpose - such as a brand">Organisation</span></label>
445 <input type="radio" name="identity" value="organisation" data-id="Options_Org">
446 </div>
447
448
449
450     <div id="Options_Org" class="none">
451         <div class="col-sm-11 col-xs-11 col-md-11 col-md-offset-1 col-lg-11
452         col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
453             <div class="radio">
454                 <label><span rel="tooltip" data-placement="right" title="An
455                 organisation or company with financial objectives">A
456                 Business</span></label>
457                 <input type="radio" name="identity_organisation"
458                 value="business" data-id="blank">
459             </div>
460             <div class="radio">
461                 <label><span rel="tooltip" data-placement="right" title="e.g. A
462                 school, university or college">Academic
463                 Institution</span></label>
464                 <input type="radio" name="identity_organisation"
465                 value="academic" data-id="blank">
466             </div>
467             <div class="radio">
468                 <label><span rel="tooltip" data-placement="right" title="A
469                 Charity or other Not-for-Profit
470                 Organisation">Charity</span></label>
471                 <input type="radio" name="identity_organisation" value="charity"
472                 data-id="blank">
473             </div>
474
475
476 <div class="radio">
477     <label><span rel="tooltip" data-placement="right" title="e.g.
478     Football Team">Sports (or other) Team</span></label>
479     <input type="radio" name="identity_organisation" value="team"
480     data-id="blank">
481 </div>
482
483     <div class="radio">
```

```
484         <label><span rel="tooltip" data-placement="right" title="State
485         below">Other</span></label>
486         <input type="radio" name="identity_organisation"
487         value="organisation_other" data-id="organisation_other">
488     </div>
489
490     <div id="blank"></div>
491
492     <div id="organisation_other" class="none">
493         <div class="col-sm-12 col-xs-12 col-md-11 col-md-offset-1
494         col-lg-12 col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
495             <input type="text" placeholder="Please State"
496             name="organisation_other" id="organisation_other" >
497         </div>
498     </div>
499
500 </div>
501 </div>
502
503
504
505
506
507
508
509
510
511
512 </div> <!-- End of Left Column -->
513 <div id="QRight1" class="col-xs-6 col-sm-6 col-lg-6 col-md-6">
514
515
516     <div class="radio">
517         <label><span rel="tooltip" data-placement="left" title="The views
518         are not intended to represent any other person or company">This is a
519         <strong>personal</strong> tweet</span></label>
520         <input type="radio" name="tweet-type" value="personal">
521     </div>
522
523     <div class="radio">
524         <label><span rel="tooltip" data-placement="left" title="Intended to
525         represent the views of their occupation or employer">This is a
526         <strong>professional</strong> tweet</span></label>
527         <input type="radio" name="tweet-type" value="professional">
528     </div>
529
530 <hr>
531 </div>
532
533 <div id="QRight2" class="col-xs-6 col-sm-6 col-lg-6 col-md-6 pull-right">
534
535 <!------->
536 <div>
537     <div class="radio">
538         <label><span rel="tooltip" data-placement="left" title="Something that has
539         taken place previously or is taking place now or in the future">To describe
540         an event</span></label>
541         <input type="radio" name="reason" value="event" >
542     </div>
543
544     <div class="radio">
545         <label><span rel="tooltip" data-placement="left" title="Intended to bring
546         awareness to something (a product, a service, a website etc.)">To promote
547         something</span></label>
548         <input type="radio" name="reason" value="promote" >
549     </div>
550
551     <div class="radio">
552         <label><span rel="tooltip" data-placement="left" title="One message in a
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553         discussion between one or more people">As part of a
554         conversation</span></label>
555         <input type="radio" name="reason" value="conversation" >
556     </div>
557
558
559
560     <div class="radio">
561         <label><span rel="tooltip" data-placement="left" title="Sent with the
562         intention to amuse others">To tell a joke</span></label>
563         <input type="radio" name="reason" value="joke">
564     </div>
565
566     <div class="radio">
567         <label><span rel="tooltip" data-placement="left" title="State Below">Other
568         Reason</span></label>
569         <input type="radio" name="reason" value="reason_other"
570         data-id="reason_other">
571     </div>
572         <div id="reason_other" class="none">
573             <div class="col-sm-12 col-xs-12 col-md-11 col-md-offset-1 col-lg-12
574             col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
575                 <input type="text" placeholder="Please State" name="reason_other"
576                 id="reason_other" >
577             </div>
578         </div>
579     <div id="blank2"></div>
580 </div>
581
582
583
584
585 <div id="opinions"><hr>
586 <div class="checkbox">
587     <label><span rel="tooltip" data-placement="left" title="Judging or
588     describing something in a positive, negative or neutral way (state
589     below)">This tweet expresses an opinion <em
590     class="small">(Optional)</em></span></label>
591     <input type="checkbox" name="opinion_checkbox" value="ticked"
592     data-id="opinion_true">
593 </div>
594
595     <div id="opinion_true" class="none">
596         <div class="col-sm-12 col-xs-12 col-md-11 col-md-offset-1 col-lg-12
597         col-lg-offset-1 col-xs-offset-1 col-sm-offset-1">
598             <p>Is the opinion:</p>
599             <div class="radio">
600                 <label>Positive?</label>
601                 <input type="radio" name="opinion" value="positive">
602             </div>
603
604             <div class="radio">
605                 <label>Negative?</label>
606                 <input type="radio" name="opinion" value="negative">
607             </div>
608
609             <div class="radio">
610                 <label>Neutral?</label>
611                 <input type="radio" name="opinion" value="neutral">
612             </div>
613
614         </div> <!-- end of sup category -->
615     </div>
616 </div>
617
618
619 <button type="submit" class="btn btn-success"><span rel="tooltip"
620 data-placement="left" title="Thanks!">Send</span></button>
621
```

```
622     </div><!-- End of right column-->
623
624 <script type="text/javascript">
625     $(function () {
626         $('[rel='tooltip']').tooltip();
627     });
628 </script>
629
630
631 </form>
632
633     <script src="/js/form.js"></script>
634 </div><!-- End of Row-->
635 <div class="container">
636 <hr \><p class="small text-danger">If you are asked "Do you wish to resubmit a
637 form?" by your browser, please select "No". This prevents data being duplicated.</p>
638 <p class="small">Thank you for taking the time to fill out this form. The data
639 gathered here is completely anonymous, and you are tracked only using Google
640 Analytics, to provide anonymous information about those providing information.</p>
641
642 </div>
643
644 </div>
645
646 <!-- Google Analytics Tracking Code -->
647
648 <script>
649     (function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){
650     (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o),
651     m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m)
652     })(window,document,'script','//www.google-analytics.com/analytics.js','ga');
653
654     ga('create', 'UA-48121074-1', 'dave-harrison.com');
655     ga('send', 'pageview');
656
657 </script>
658
659
660
661
662 </body>
663 </html>
```