

```

1  <?php
2
3      session_start();
4
5      $link = mysqli_connect(xxx);
6
7      if(mysqli_connect_errno()){
8
9          die(mysqli_connect_error());
10
11     }
12
13     if($_GET['function'] == 'logout'){
14
15         session_unset(); //unset all session variables
16
17     }
18
19
20     function time_since($since) {
21         $chunks = array(
22             array(60 * 60 * 24 * 365 , 'year'),
23             array(60 * 60 * 24 * 30 , 'month'),
24             array(60 * 60 * 24 * 7, 'week'),
25             array(60 * 60 * 24 , 'day'),
26             array(60 * 60 , 'hour'),
27             array(60 , 'min'),
28             array(1 , 'sec')
29         );
30
31         for ($i = 0, $j = count($chunks); $i < $j; $i++) {
32             $seconds = $chunks[$i][0];
33             $name = $chunks[$i][1];
34             if (($count = floor($since / $seconds)) != 0) {
35                 break;
36             }
37         }
38
39         $print = ($count == 1) ? '1 '.$name : "$count {$name}s";
40         $print .= " ago";
41         return $print;
42     }
43
44     function displayTweets($type){ //type is the privacy level.
45
46         global $link; //making link variable available within the function
47
48         if($type == 'public'){
49
50             $whereClause = "";
51
52         } else if ($type == 'isFollowing'){
53
54             $isFollowingQuery = "SELECT * FROM isFollowing WHERE follower=" .
55                 mysqli_real_escape_string($link, $_SESSION['id']);
56             $result = mysqli_query($link, $isFollowingQuery);
57             $whereClause = "";
58
59             if(mysqli_num_rows($result) > 0){
60
61                 while($row = mysqli_fetch_array($result)){
62
63                     if( $whereClause == ""){
64
65                         $whereClause = "WHERE ";
66
67                     } else {
68
69                         $whereClause .= "OR ";
70
71                     }

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72         $whereClause .= "userid=". mysqli_real_escape_string($link,
73             $row['isFollowing'])." ";
74     }
75
76     } else {
77
78         $whereClause = "userid=-1";
79
80     }
81
82     } else if ($type == 'yourTweets') {
83
84         $whereClause = "WHERE userid=". mysqli_real_escape_string($link,
85             $_SESSION['id']);
86
87     } else if ($type == 'search') {
88
89         echo "<p>Showing search results for '".mysqli_real_escape_string($link,
90             $_GET['q'])."'</p>";
91
92         $whereClause = "WHERE tweet LIKE '%". mysqli_real_escape_string($link,
93             $_GET['q'])."%'" ; // % indicates any number of characters, even 0
94
95     } else if(is_numeric($type)){
96
97         $userQuery = "SELECT * FROM users WHERE
98             id='".mysqli_real_escape_string($link, $type)."' LIMIT 1";
99         $userQueryResult = mysqli_query($link, $userQuery);
100         $user = mysqli_fetch_array($userQueryResult);
101
102         echo "<h2>".$user['email']."'s tweets</h2><br>";
103
104         $whereClause = "WHERE userid='".mysqli_real_escape_string($link, $type)."'";
105
106     }
107
108     $query = "SELECT * FROM tweets ".$whereClause." ORDER BY datetime DESC LIMIT
109         10"; //tweets limited to 10 and displayed in descending order
110
111     $result = mysqli_query($link, $query);
112
113     if (mysqli_num_rows($result) == 0) {
114
115         echo "There are no Tweets to display";
116
117     } else {
118
119         while($row = mysqli_fetch_array($result)){
120
121             $userQuery = "SELECT * FROM users WHERE
122                 id='".mysqli_real_escape_string($link, $row['userid'])."' LIMIT
123                 1";
124             $userQueryResult = mysqli_query($link, $userQuery);
125             $user = mysqli_fetch_array($userQueryResult);
126
127             echo "<div class='tweet'><p><a
128                 href='?page=publicProfiles&userid=".$user['id']."'>".$user['email']
129                 '</a> - <span class = 'time'>".time_since(time() -
130                 strtotime($row["datetime"]))."</span></p>"; //current time
131                 minus time the tweet was made. The latter is stored as a string
132                 and needs a conversion into seconds by means of the strtotime
133                 cast
134
135             echo "<p>".$row["tweet"]."</p>";
136
137             if($_SESSION['id']){
138
139                 if (ifFollowed($row['userid']) == '0'){
140
141                     echo "<p><a href='#' class='toggleFollow'
142                         data-user-id='".$row['userid']."'>Follow</a></p>"; //id

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of the person who wrote the tweet
129
130     } else if (ifFollowed($row['userid']) == '1') {
131
132         echo "<p><a href='#' class='toggleFollow'
            data-user-id='".$row['userid']."'>Unfollow</a></p>";
133
134     }
135
136 }
137
138 echo "</div>";
139
140 }
141
142 }
143
144 }
145
146 function displaySearch() {
147
148     echo '<form class="form">
149         <div class="form-group">
150             <input type="hidden" name="page" value="search">
151             <input type="text" name="q" class="form-control" id="search"
                placeholder="Search">
152         </div>
153         <button type="submit" class="btn btn-primary">Search Tweets</button>
154     </form>'; //submitting a hidden input ?page=search by using name and
        value attributes
155
156 }
157
158 function displayTweetBox() {
159
160     if($_SESSION["id"] > 0) {
161
162
163         echo ' <div id="tweetSuccess" class="alert alert-success">Your tweet
            was posted successfully.</div><div id="tweetFail" class="alert
            alert-danger"></div><div class="form">
164             <div class="form-group">
165                 <textarea class="form-control" id="tweetContent"
                    rows="7"></textarea>
166             </div>
167             <button id="postTweetButton" class="btn btn-primary">Post
                Tweet</button>
168         </div>';
169
170     }
171
172 }
173
174 function ifFollowed($followed) {
175
176     global $link;
177     $query = "SELECT * FROM isFollowing WHERE follower='".
        mysqli_real_escape_string($link, $_SESSION["id"]) ."' AND
        isFollowing='". mysqli_real_escape_string($link, $followed) ."' LIMIT 1";
178     $result = mysqli_query($link, $query);
179
180     if ( $_SESSION["id"] == $followed)
181     {
182
183         return "2";
184
185     }
186
187     if(mysqli_num_rows($result) > 0){
188
189         return "1";
190

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191         } else {
192
193             return "0";
194
195         }
196
197     }
198
199     function displayUsers() {
200
201         global $link;
202
203         $query = "SELECT * FROM users LIMIT 100"; //tweets limited to 10 and
204             displayed in descending order
205
206         $result = mysqli_query($link, $query);
207
208         while($row = mysqli_fetch_array($result)){
209
210             echo "<p><a
211                 href='?page=publicProfiles&userid=".$row['id']."'>".$row['email']."</a
212                 ></p>";
213
214         }
215
216     ?>
```