

data_valid_fns.php

```
1 <?php
2
3 function filled_out($form_vars) {
4     // test that each variable has a value
5     foreach ($form_vars as $key => $value) {
6         if (!isset($key) || ($value === '')) {
7
8             return false;
9         }
10    }
11
12    return true;
13 }
14
15 function valid_email($address) {
16     // check an email address is possibly valid
17     if (preg_match('/^[a-zA-Z0-9_\.\\-]+@[a-zA-Z0-9\\-]+\\.([a-zA-Z0-9\\-\\.]+)$/ ', $address)) {
18         return true;
19     } else {
20         return false;
21     }
22 }
23
24 function clean($string) {
25     $string = trim($string);
26     $string = htmlentities($string);
27     $string = strip_tags($string);
28
29     return $string;
30 }
31
32 function clean_all($form_vars) {
33     foreach ($form_vars as $key => $value) {
34         $form_vars[$key] = clean($value);
35     }
36
37     return $form_vars;
38 }
39
40 ?>
```

db_fns.php

```
1|<?php
2|
3|function db_connect() {
4|    $result = new mysqli('localhost', 'discussion', 'password', 'discussion');
5|    if (!$result) {
6|        echo '';
7|        return false;
8|    }
9|    echo '';
10|    return $result;
11|}
12|
13|?>
```

Discussion_fns.php

```
1 <?php
2
3 function expand_all(&$expanded) {
4     // mark all threads with children as to be shown expanded
5     $conn = db_connect();
6     $query = "select postid from header where children = 1";
7     $result = $conn->query($query);
8     $num = $result->num_rows;
9     for($i = 0; $i<$num; $i++) {
10         $this_row = $result->fetch_row();
11         $expanded[$this_row[0]]=true;
12     }
13 }
14
15 function get_post($postid) {
16     // extract one post from the database and return as an array
17
18     if(!$postid) {
19         return false;
20     }
21
22     $conn = db_connect();
23
24     //get all header information from 'header'
25     $query = "select * from header where postid = ".$postid."";
26     $result = $conn->query($query);
27     if($result->num_rows!=1) {
28         return false;
29     }
30     $post = $result->fetch_assoc();
31
32     // get message from body and add it to the previous result
33     $query = "select * from body where postid = ".$postid."";
34     $result2 = $conn->query($query);
35     if($result2->num_rows>0) {
36         $body = $result2->fetch_assoc();
37         if($body) {
38             $post['message'] = $body['message'];
39         }
40     }
41     return $post;
42 }
43
44 function get_post_title($postid) {
45     // extract one post's name from the database
46
47     if(!$postid) {
48         return '';
49     }
50
51     $conn = db_connect();
52
53     //get all header information from 'header'
54     $query = "select title from header where postid = ".$postid."";
```

```

55 $result = $conn->query($query);
56 if($result->num_rows!=1) {
57     return '';
58 }
59 $this_row = $result->fetch_array();
60 return $this_row[0];
61
62 }
63
64 function get_post_message($postid) {
65     // extract one post's message from the database
66
67     if(!$postid) {
68         return '';
69     }
70
71     $conn = db_connect();
72
73     $query = "select message from body where postid = '". $postid. "'";
74     $result = $conn->query($query);
75     if($result->num_rows>0) {
76         $this_row = $result->fetch_array();
77         return $this_row[0];
78     }
79 }
80
81
82 function add_quoting($string, $pattern = '> ') {
83     // add a quoting pattern to mark text quoted in your reply
84     return $pattern.str_replace("\n", "\n$pattern", $string);
85 }
86
87 function store_new_post($post) {
88     // validate clean and store a new post
89
90     $conn = db_connect();
91     // check no fields are blank
92     if(!filled_out($post)) {
93         echo 'discussion_fns.php store_new_post() 1 load| ';
94         return false;
95     }
96     $post = clean_all($post);
97
98     //check parent exists
99     if($post['parent']!=0) {
100         $query = "select postid from header where postid = '". $post['parent']. "'";
101         $result = $conn->query($query);
102         if($result->num_rows!=1) {
103             echo 'discussion_fns.php store_new_post() 2 load| ';
104             return false;
105         }
106     }
107
108 // check not a duplicate

```

```

109 $query = "select header.postid from header, body where
110         header.postid = body.postid and
111         header.parent = '". $post['parent']."' and
112         header.poster = '". $post['poster']."' and
113         header.title = '". $post['title']."' and
114         header.area = '". $post['area']."' and
115         body.message = '". $post['message']."'";
116
117 $result = $conn->query($query);
118 if (!$result) {
119 echo 'discussion_fns.php store_new_post() 3 load| ' ;
120 return false;
121 }
122
123 if($result->num_rows>0) {
124 $this_row = $result->fetch_array();
125 echo 'discussion_fns.php store_new_post() 4 load| ' ;
126 return $this_row[0];
127 }
128
129 $query = "insert into header values
130         ('". $post['parent']."' ,
131         '". $post['poster']."' ,
132         '". $post['title']."' ,
133         0,
134         '". $post['area']."' ,
135         now(),
136         NULL
137         )";
138
139 $result = $conn->query($query);
140 if (!$result) {
141 echo 'discussion_fns.php store_new_post() 5 load| ' ;
142 return false;
143 }
144
145 // note that our parent now has a child
146 $query = "update header set children = 1 where postid = '". $post['parent']."'";
147 $result = $conn->query($query);
148 if (!$result) {
149 echo 'discussion_fns.php store_new_post() 6 load| ' ;
150 return false;
151 }
152
153 // find our post id, note that there could be multiple headers
154 // that are the same except for id and probably posted time
155 $query = "select header.postid from header left join body on header.postid = body.postid
156         where parent = '". $post['parent']."'
157         and poster = '". $post['poster']."'
158         and title = '". $post['title']."'
159         and body.postid is NULL";
160
161 $result = $conn->query($query);
162 if (!$result) {

```

```

132         ".$post['title'].",
133         0,
134         ".$post['area'].",
135         now(),
136         NULL
137     );
138
139     $result = $conn->query($query);
140     if (!$result) {
141     echo 'discussion_fns.php store_new_post() 5 load| ';
142         return false;
143     }
144
145     // note that our parent now has a child
146     $query = "update header set children = 1 where postid = '".$post['parent']."'";
147     $result = $conn->query($query);
148     if (!$result) {
149     echo 'discussion_fns.php store_new_post() 6 load| ';
150         return false;
151     }
152
153     // find our post id, note that there could be multiple headers
154     // that are the same except for id and probably posted time
155     $query = "select header.postid from header left join body on header.postid = body.postid
156             where parent = '".$post['parent']."'
157             and poster = '".$post['poster']."'
158             and title = '".$post['title']."'
159             and body.postid is NULL";
160
161     $result = $conn->query($query);
162     if (!$result) {
163     echo 'discussion_fns.php store_new_post() 7 load| ';
164         return false;
165     }
166
167     if($result->num_rows>0) {
168         $this_row = $result->fetch_array();
169         $id = $this_row[0];
170     }
171
172     if($id) {
173         $query = "insert into body values ($id, '".$post['message']."'";
174         $result = $conn->query($query);
175         if (!$result) {
176     echo 'discussion_fns.php store_new_post() 8 load| ';
177             return false;
178         }
179     echo 'discussion_fns.php store_new_post() 9 load| ';
180         return $id;
181     }
182
183 }
184
185 ?>

```

Forgot_form.php

```
1 <?php
2 require_once('include_fns.php');
3 do_html_header('Reset password');
4
5 display_forgot_form();
6
7 do_html_footer();
8 ?>
```

forgot_psswd.php

```
1 <?php
2 require_once("include_fns.php");
3 do_html_header("Resetting password");
4
5 // creating short variable name
6 $username = $_POST['username'];
7
8 try {
9     $password = reset_password($username);
10    notify_password($username, $password);
11    echo 'Your new password has been emailed to you.<br />';
12 }
13 catch (Exception $e) {
14    echo 'Your password could not be reset - please try again later.';
15 }
16
17 do_html_footer();
18 ?>
```


include_fns.php

```
1 <?php
2 // putting all the include files here means
3 // that it will take time to load each one
4 // for every page, but that we will not
5 // forget any
6
7 include_once('db_fns.php');
8 include_once('data_valid_fns.php');
9 include_once('output_fns.php');
10 include_once('discussion_fns.php');
11 include_once('treenode_class.php');
12     include_once('user_auth_fns.php');
13 ?>
```

Index.php

```
1 <?php
2   include ('include_fns.php');
3   session_start();
4
5
6
7   do_html_header('Welcome to the Flower World');
8
9   display_login_form();
10
11
12   do_html_footer();
13 ?>
```

Login.php

```
1 <?php
2 require_once('include_fns.php');
3 do_html_header('Login');
4
5 //display_site_info();
6 display_login_form();
7
8 do_html_footer();
9 ?>
```

Logout.php

```
1 <?php
2
3 // include function files for this application
4 require_once('include_fns.php');
5 session_start();
6 $old_user = $_SESSION['valid_user'];
7
8 // store to test if they *were* logged in
9 unset($_SESSION['valid_user']);
10 $result_dest = session_destroy();
11
12 // start output html
13 do_html_header('Welcome to the Flower World');
14
15 display_login_form();
16
17 do_html_footer();
18
19 ?>
```

member.php

```
1<?php
2
3// include function files for this application
4require_once('include_fns.php');
5session_start();
6
7// check if we have created our session variable
8if(!isset($_SESSION['expanded'])) {
9
10    $_SESSION['expanded'] = array();
11}
12
13// check if an expand button was pressed
14// expand might equal 'all' or a postid or not be set
15if(isset($_GET['expand'])) {
16    if($_GET['expand'] == 'all') {
17        expand_all($_SESSION['expanded']);
18    } else {
19        $_SESSION['expanded'][$_GET['expand']] = true;
20    }
21}
22
23// check if a collapse button was pressed
24// collapse might equal all or a postid or not be set
25if(isset($_GET['collapse'])) {
26    if($_GET['collapse']=='all') {
27        $_SESSION['expanded'] = array();
28    } else {
29        unset($_SESSION['expanded'][$_GET['collapse']]);
30    }
31}
32
33//create short variable names
34$username = $_POST['username'];
35$password = $_POST['passwd'];
36
37if ($username && $password) {
38    // they have just tried logging in
39    try {
40        login($username, $password);
41        // if they are in the database register the user id
42        $_SESSION['valid_user'] = $username;
43    }
44    catch(Exception $e) {
45        // unsuccessful login
46        do_html_header('Problem:');
47        echo 'You could not be logged in.  
You must be logged in to view this page.';
48        display_login_form();
49        do_html_footer();
50        exit;
51    }
52}
53}
54}
```

```

13 // check if an expand button was pressed
14 // expand might equal 'all' or a postid or not be set
15 if(isset($_GET['expand'])) {
16     if($_GET['expand'] == 'all') {
17         expand_all($_SESSION['expanded']);
18     } else {
19         $_SESSION['expanded'][$_GET['expand']] = true;
20     }
21 }
22
23 // check if a collapse button was pressed
24 // collapse might equal all or a postid or not be set
25 if(isset($_GET['collapse'])) {
26     if($_GET['collapse'] == 'all') {
27         $_SESSION['expanded'] = array();
28     } else {
29         unset($_SESSION['expanded'][$_GET['collapse']]);
30     }
31 }
32
33 //create short variable names
34 $username = $_POST['username'];
35 $passwd = $_POST['passwd'];
36
37 if ($username && $passwd) {
38     // they have just tried logging in
39     try {
40         login($username, $passwd);
41         // if they are in the database register the user id
42         $_SESSION['valid_user'] = $username;
43     }
44 }
45 catch(Exception $e) {
46     // unsuccessful login
47     do_html_header('Problem:');
48     echo 'You could not be logged in.  

49         You must be logged in to view this page.';
50     display_login_form();
51     do_html_footer();
52     exit;
53 }
54 }
55
56 do_html_header('Welcome to the Flower World');
57 check_valid_user();
58
59
60 display_index_toolbar_out();
61
62
63 // display the tree view of conversations
64 display_tree($_SESSION['expanded']);
65
66 do_html_footer();

```

new_post.php

```
1 <?php
2 include ('include_fns.php');
3
4 $title = $_POST['title'];
5 $poster = $_POST['poster'];
6 $message = $_POST['message'];
7
8 if(isset($_GET['parent'])) {
9     $parent = $_GET['parent'];
10 } else {
11     $parent = $_POST['parent'];
12 }
13
14 if(!$area) {
15     $area = 1;
16 }
17
18 if(!$error) {
19     if(!$parent) {
20         $parent = 0;
21         if(!$title) {
22             $title = 'New Post';
23         }
24     } else {
25         // get post name
26         $title = get_post_title($parent);
27
28         // append Re:
29         if(strpos($title, 'Re: ') == false) {
30             $title = 'Re: '.$title;
31         }
32
33         //make sure title will still fit in db
34         $title = substr($title, 0, 20);
35
36         //prepend a quoting pattern to the post you are replying to
37         $message = add_quoting(get_post_message($parent));
38     }
39 }
40 do_html_header($title);
41 display_index1_toolbar_out();
42
43 display_new_post_form($parent, $area, $title, $message, $poster);
44
45 if($error) {
46     echo "<p>Your message was not stored.</p>|
47         <p>Make sure you have filled in all fields and try again.</p>";
48 }
49
50 do_html_footer();
51 ?>
```

Output_fns.php

```
1<?php
2$table_width = '100%';
3
4function reformat_date($datetime) {
5    // put date in US format, discard seconds
6    list($year, $month, $day, $hour, $min, $sec) = split( '[: -]', $datetime );
7
8    return "$hour:$min $month/$day/$year";
9}
10
11function display_tree($expanded, $row = 0, $start = 0) {
12    // display the tree view of conversations
13
14    global $table_width;
15    echo "<table width=\"".$table_width."\">";
16
17    // see if we are displaying the whole list or a sublist
18    if($start>0) {
19        $sublist = true;
20    } else {
21        $sublist = false;
22    }
23
24    // construct tree structure to represent conversation summary
25    $tree = new treeNode($start, '', '', '', 1, true, -1, $expanded, $sublist);
26
27    // tell tree to display itself
28    $tree->display($row, $sublist);
29
30    echo "</table>";
31}
32}
33
34function do_html_header($title = '') {
35    // print an HTML header including cute logo :)
36    global $table_width;
37    ?>
38    <html>
39    <head>
40        <title><?php echo $title; ?></title>
41        <style>
42p,h2,li {color: #FFFFFF;}
43footer
44{
45    background-color:#000;
46    color:#fff;
47    height:300px;
48}
49}
50
51
52.flower_des {
53    width: 32%;
54    float: left;
```



```

55     margin-right:2%;
56
57 }
58 .footer_heading {
59     border-bottom: 2px solid #333;
60     /* margin-bottom: 15px; */
61     line-height: 36px;
62     margin-top: 40px;
63 }
64 .flower_des span {
65     text-decoration: underline;
66 }
67 .site_links {
68     float: left;
69     width: 32%;
70     margin-right:2%;
71
72 }
73 .site_links ul li, .social ul li
74 {
75     list-style:none;
76     padding-bottom:10px;
77 }
78 .social span { do_html_header($ti
79     margin-left: 32px;
80 }
81 .social {
82     float: left;
83     width: 32%;
84 }
85 .fab.fa-facebook, .fab.fa-youtube, .fab.fa-twitter, .fas.fa-map-marker-alt, .fab.fa-instagram
86 {
87     width:32px;
88 }
89 h1 { font-family: 'Times New Roman', Times, serif; font-size: 38;
90     font-weight: normal; color: red; margin-bottom: 0}
91
92 b { font-family: 'Times New Roman', Times, serif; font-size: 18;
93     font-weight: normal; color: black }
94 body, li, td { font-family: Arial, Helvetica, sans-serif;
95     font-size: 15px; margin = 5px }
96 a { color: #000000 }
97 </style>
98 </head>
99 <body>
100
101 <table width="<?php echo $table_width; ?>" cellspacing="0" cellpadding="6">
102 <tr>
103 <td bgcolor="#FFFF00" width="110">
105 </td><td bgcolor="#FFFF00">
106 <h1><?php echo $title; ?></h1></td>
107 </tr>
108 </table>

```

```

109 <?php
110
111 }
112
113 function do_html_footer() {
114     // print an HTML footer
115
116     global $table_width;
117 ?>
118 <table width="<?php echo $table_width; ?>" cellspacing="0" cellpadding="6">
119 <tr>
120 <td bgcolor="#000000" color="#FFFFFF" width="110" >
121     <div class="wrapper">
122         <div class="flower_des">
123             <h2 class="footer_heading">ABOUT US</h2>
124             <p>FLOWER POWER is a marketing company which provide several service for different flowers quality
125             in proper managed way with full of insurance about its glory. It is providing service from 1952 by
126             <span>San Roser</span>.
127             </p>
128         </div>
129         <div class="site_links">
130             <h2 class="footer_heading">SITE LINKS</h2>
131             <ul>
132                 <li>About Us</li>
133                 <li>Contact Us</li>
134                 <li>Subscribe Us</li>
135                 <li>Privacy Policy</li>
136                 <li>Terms Of Use</li>
137                 <li>Free Blog Setup</li>
138             </ul>
139         </div>
140         <div class="social">
141             <h2 class="footer_heading">STAY IN TOUCH</h2>
142             <ul>
143                 <li><i class="fab fa-youtube"></i>YouTube</li>
144                 <li><i class="fab fa-facebook"></i>Facebook</li>
145                 <li><i class="fab fa-twitter"></i>Twitter</li>
146                 <li><i class="fab fa-instagram"></i>Instagram</li>
147                 <li><i class="fas fa-map-marker-alt"></i>123 Grand Ave<br><span>#45613</span><br><span>New York, NY 1003</span></li>
148             </ul>
149         </div>
150     </div>
151 </td>
152 </tr>
153 </table>
154 </body>
155 </html>
156 <?php
157 }
158
159
160 function display_replies_line() {
161     global $table_width;
162 ?>

```

```

163 <table width="<?php echo $table_width; ?>" cellpadding="4"
164     cellspacing="0" bgcolor="#cccccc">
165 <tr><td><strong>Replies to this message</strong></td></tr>
166 </table>
167 <?php
168
169 }
170
171 function display_index_toolbar()
172 {
173     global $table_width;
174     ?>
175     <table width="<?php echo $table_width; ?>" cellpadding="4" cellspacing="0">
176     <tr>
177         <td bgcolor="#cccccc" align="right">
178
179             <a href="new_post.php?parent=0"></a><a
181                 href="member.php?expand=all"></a><a
184                 href="member.php?collapse=all"></a><a href="login.php"></a>
187         </td>
188     </tr>
189     </table>
190 <?php
191
192 }
193 function display_index_toolbar_out()
194 {
195     global $table_width;
196     ?>
197     <table width="<?php echo $table_width; ?>" cellpadding="4" cellspacing="0">
198     <tr>
199         <td bgcolor="#cccccc" align="right">
200
201             <a href="new_post.php?parent=0"></a><a
203                 href="member.php?expand=all"></a><a
206                 href="member.php?collapse=all"></a><a href="logout.php"></a>
209         </td>
210     </tr>
211     </table>
212
213 <?php
214
215 }
216 function display_index1_toolbar_out()

```

```

217 {
218     global $table_width;
219 }
220 <table width="<?php echo $table_width; ?>" cellpadding="4" cellspacing="0">
221 <tr>
222     <td bgcolor="#cccccc" align="right">
223
224         <a href="member.php"></a>
226     </td>
227 </tr>
228 </table>
229
230 <?php
231
232 }
233 function display_post($post) {
234     global $table_width;
235
236     if(!$post) {
237
238         return;
239     }
240 }
241 <table width="<?php echo $table_width; ?>" cellpadding="4" cellspacing="0">
242 <tr>
243     <td bgcolor="#cccccc">
244         <strong>From: <?php echo $post['poster']; ?></strong><br />
245         <strong>Posted: <?php echo $post['posted']; ?></strong>
246     </td>
247     <td bgcolor="#cccccc" align="right">
248         <a href="new_post.php?parent=0"></a><a
250             href="new_post.php?parent=<?php echo $post['postid']; ?>"></a><a
253             href="member.php?expanded=<?php echo $post['postid']; ?>"></a>
255     </td>
256 </tr>
257 <tr><td colspan="2">
258     <?php echo nl2br($post['message']); ?>
259 </td></tr>
260 </table>
261 <?php
262
263 }
264
265 function display_new_post_form($parent = 0, $area = 1, $title='', $message='', $poster='') {
266     global $table_width;
267 }
268 <table cellpadding="0" cellspacing="0" border="0" width="<?php echo $table_width; ?>">
269 <form action="store_new_post.php?expand=<?php echo $parent; ?>#<?php echo $parent; ?>"
270     method="post">

```

```

271 <tr>
272 <td bgcolor="#cccccc">Your Name:</td>
273 <td bgcolor="#cccccc"><input type="text" name="poster"
274 value="<?php echo $poster; ?>" size="20" maxlength="20"/>
275 </td>
276 </tr>
277 <tr>
278 <td bgcolor="#cccccc">Message Title:</td>
279 <td bgcolor="#cccccc"><input type="text" name="title"
280 value="<?php echo $title; ?>" size="20" maxlength="20" /></td>
281 </tr>
282 <tr>
283 <td colspan="2">
284 <textarea name="message" rows="10" cols="55"><?php echo stripslashes($message);?></textarea>
285 </td>
286 </tr>
287 <tr>
288 <td colspan="2" align="center" bgcolor="#cccccc">
289 <input type="image" name="post" src="images/post.gif"
290 alt="Post Message" width="99" height="39"/>
291 </td>
292 <input type="hidden" name="parent" value="<?php echo $parent; ?>">
293 <input type="hidden" name="area" value="<?php echo $area; ?>">
294 </tr>
295 </form>
296 </table>
297 <?php
298
299 }
300
301 function display_login_form() {
302 ?>
303 <p><a href="register_form.php">Not a member?</a></p>
304 <form method="post" action="member.php">
305 <table bgcolor="#cccccc">
306 <tr>
307 <td colspan="2">Members log in here:</td>
308 <tr>
309 <td>Username:</td>
310 <td><input type="text" name="username"/></td></tr>
311 <tr>
312 <td>Password:</td>
313 <td><input type="password" name="passwd"/></td></tr>
314 <tr>
315 <td colspan="2" align="center">
316 <input type="submit" value="Log in"/></td></tr>
317 <tr>
318 <td colspan="2"><a href="forgot_form.php">Forgot your password?</a></td>
319 </tr>
320 </table></form>
321 <?php
322
323 }
324

```

```

315     <td colspan="2" align="center">
316     <input type="submit" value="Log in"/></td></tr>
317     <tr>
318     <td colspan="2"><a href="forgot_form.php">Forgot your password?</a></td>
319     </tr>
320 </table></form>
321 <?php
322
323 }
324
325 function display_registration_form() {
326 ?>
327 <form method="post" action="register_new.php">
328 <table bgcolor="#cccccc">
329     <tr>
330     <td>Email address:</td>
331     <td><input type="text" name="email" size="30" maxlength="100"/></td></tr>
332     <tr>
333     <td>Preferred username <br />(max 16 chars):</td>
334     <td valign="top"><input type="text" name="username"
335     size="16" maxlength="16"/></td></tr>
336     <tr>
337     <td>Password <br />(between 6 and 16 chars):</td>
338     <td valign="top"><input type="password" name="passwd"
339     size="16" maxlength="16"/></td></tr>
340     <tr>
341     <td>Confirm password:</td>
342     <td><input type="password" name="passwd2" size="16" maxlength="16"/></td></tr>
343     <tr>
344     <td colspan=2 align="center">
345     <input type="submit" value="Register"></td></tr>
346 </table></form>
347 <?php
348
349 }
350
351 function display_forgot_form() {
352     // display HTML form to reset and email password
353 ?>
354     <br />
355     <form action="forgot_passwd.php" method="post">
356     <table width="250" cellpadding="2" cellspacing="0" bgcolor="#cccccc">
357     <tr><td>Enter your username</td>
358     <td><input type="text" name="username" size="16" maxlength="16"/></td>
359     </tr>
360     <tr><td colspan=2 align="center">
361     <input type="submit" value="Change password"/>
362     </td></tr>
363     </table>
364     <br />
365 <?php
366 }
367
368 ?>

```

Register_form.php

```
1 <?php
2 require_once('include_fns.php');
3 do_html_header('User Registration');
4
5 display_registration_form();
6
7 do_html_footer();
8 ?>
```

register_new.php

```
1 <?php
2 // include function files for this application
3 require_once('include_fns.php');
4
5 //create short variable names
6 $email=$_POST['email'];
7 $username=$_POST['username'];
8 $passwd=$_POST['passwd'];
9 $passwd2=$_POST['passwd2'];
10 // start session which may be needed later
11 // start it now because it must go before headers
12 session_start();
13 try {
14     // check forms filled in
15     if (!filled_out($_POST)) {
16         throw new Exception('You have not filled the form out correctly - please go back and try again.');
```

```
17     }
18
19     // email address not valid
20     if (!valid_email($email)) {
21         throw new Exception('That is not a valid email address. Please go back and try again.');
```

```
22     }
23
24     // passwords not the same
25     if ($passwd != $passwd2) {
26         throw new Exception('The passwords you entered do not match - please go back and try again.');
```

```
27     }
28
29     // check password length is ok
30     // ok if username truncates, but passwords will get
31     // munged if they are too long.
32     if ((strlen($passwd) < 6) || (strlen($passwd) > 16)) {
33         throw new Exception('Your password must be between 6 and 16 characters Please go back and try again.');
```

```
34     }
35
36     // attempt to register
37     // this function can also throw an exception
38     register($username, $email, $passwd);
39     // register session variable
40     $_SESSION['valid_user'] = $username;
41
42     // provide link to members page
43     do_html_header('Registration successful');
```

```
44     echo 'Your registration was successful. Go to the members page to start setting up your <a href="index.php">forum!</a>';
45     do_html_url('member.php', 'Go to members page');
```

```
46
47     // end page
48     do_html_footer();
49 }
50 catch (Exception $e) {
51     do_html_header('Problem:');
52     echo $e->getMessage();
53     do_html_footer();
54     exit;
```


store_new_post.php

```
1 <?php
2 include ('include_fns.php');
3 if($id = store_new_post($_POST)) {
4     include ('index.php');
5 } else {
6     $error = true;
7     include ('new_post.php');
8 }
9
10 ?>
```

Treenode_class.php

```
1 <?php
2 // functions for loading, constructing and
3 // displaying the tree are in this file
4
5 class treenode {
6     // each node in the tree has member variables containing
7     // all the data for a post except the body of the message
8     public $m_postid;
9     public $m_title;
10    public $m_poster;
11    public $m_posted;
12    public $m_children;
13    public $m_childlist;
14    public $m_depth;
15
16    public function __construct($postid, $title, $poster, $posted, $children,
17                                $expand, $depth, $expanded, $sublist) {
18        // the constructor sets up the member variables, but more
19        // importantly recursively creates lower parts of the tree
20
21        $this->m_postid = $postid;
22        $this->m_title = $title;
23        $this->m_poster = $poster;
24        $this->m_posted = $posted;
25        $this->m_children = $children;
26        $this->m_childlist = array();
27        $this->m_depth = $depth;
28
29        // we only care what is below this node if it
30        // has children and is marked to be expanded
31        // sublists are always expanded
32        if(($sublist || $expand) && $children) {
33            $conn = db_connect();
34
35            $query = "select * from header where parent = '". $postid. "' order by posted";
36            $result = $conn->query($query);
37
38            for ($count=0; $row = @$result->fetch_assoc(); $count++) {
39                if($sublist || $expanded[$row['postid']] == true) {
40                    $expand = true;
41                } else {
42                    $expand = false;
43                }
44                $this->m_childlist[$count] = new treenode($row['postid'], $row['title'],
45                                                         $row['poster'], $row['posted'],
46                                                         $row['children'], $expand,
47                                                         $depth+1, $expanded, $sublist);
48            }
49        }
50    }
51
52    function display($row, $sublist = false) {
53        // as this is an object, it is responsible for displaying itself
54    }
```

```

55
56 // $row tells us what row of the display we are up to
57 // so we know what color it should be
58
59 // $sublist tells us whether we are on the main page
60 // or the message page. Message pages should have
61 // $sublist = true.
62 // On a sublist, all messages are expanded and there are
63 // no "+" or "-" symbols.
64
65 // if this is the empty root node skip displaying
66 if($this->m_depth>-1) {
67     //color alternate rows
68     echo "<tr><td bgcolor=\"";
69     if ($row%2) {
70         echo "#cccccc\">";
71     } else {
72         echo "#ffffff\">";
73     }
74
75     // indent replies to the depth of nesting
76     for($i = 0; $i < $this->m_depth; $i++) {
77         echo "<img src=\"images/spacer.gif\" height=\"22\"
78             width=\"22\" alt=\"\" valign=\"bottom\" />";
79     }
80
81     // display + or - or a spacer
82     if ( !$sublist && $this->m_children && sizeof($this->m_childlist)) {
83         // we're on the main page, have some children, and they're expanded
84
85         // we are expanded - offer button to collapse
86         echo "<a href=\"index.php?collapse=" .
87             $this->m_postid . "#" . $this->m_postid . "\"><img
88             src=\"images/minus.gif\" valign=\"bottom\" height=\"22\"
89             width=\"22\" alt=\"Collapse Thread\" border=\"0\" /></a>\n";
90     } else if(!$sublist && $this->m_children) {
91         // we are collapsed - offer button to expand
92         echo "<a href=\"index.php?expand=" .
93             $this->m_postid . "#" . $this->m_postid . "\"><img
94             src=\"images/plus.gif\" valign=\"bottom\" height=\"22\"
95             width=\"22\" alt=\"Expand Thread\" border=\"0\" /></a>\n";
96     } else {
97         // we have no children, or are in a sublist, do not give button
98         echo "<img src=\"images/spacer.gif\" height=\"22\" width=\"22\"
99             alt=\"\" valign=\"bottom\" />\n";
100     }
101
102     echo "<a name=\"".
103         $this->m_postid .
104         "\"><a href=\"view_post.php?postid=" .
105         $this->m_postid .
106         "\">".
107         $this->m_title .
108         " - " .

```

```

86     echo "<a href=\"index.php?collapse=" .
87         $this->m_postid."#". $this->m_postid."\"><img
88         src=\"images/minus.gif\" valign=\"bottom\" height=\"22\"
89         width=\"22\" alt=\"Collapse Thread\" border=\"0\" /></a>\n";
90 } else if(!$sublist && $this->m_children) {
91     // we are collapsed - offer button to expand
92     echo "<a href=\"index.php?expand=" .
93         $this->m_postid."#". $this->m_postid."\"><img
94         src=\"images/plus.gif\" valign=\"bottom\" height=\"22\"
95         width=\"22\" alt=\"Expand Thread\" border=\"0\" /></a>\n";
96 } else {
97     // we have no children, or are in a sublist, do not give button
98     echo "<img src=\"images/spacer.gif\" height=\"22\" width=\"22\"
99         alt=\"\" valign=\"bottom\" />\n";
100 }
101
102 echo "<a name=\"".
103     $this->m_postid.
104     "\"><a href=\"view_post.php?postid=" .
105     $this->m_postid.
106     "\">".
107     $this->m_title.
108     " - ".
109     $this->m_poster.
110     " - ".
111     ($this->m_posted).
112     "</a></td></tr>";
113
114
115
116
117 //     echo "<a name=\"". $this->m_postid."\"><a href=
118 //         \"view_post.php?postid=" . $this->m_postid."\">.
119 //         $this->m_title." - ". $this->m_poster." - ".
120 //         reformat_date($this->m_posted)."</a></td></tr>";
121
122
123     // increment row counter to alternate colors
124     $row++;
125 }
126 // call display on each of this node's children
127 // note a node will only have children in its list if expanded
128 $num_children = sizeof($this->m_childlist);
129 for($i = 0; $i<$num_children; $i++) {
130     $row = $this->m_childlist[$i]->display($row, $sublist);
131 }
132 return $row;
133 }
134
135 }
136
137
138
139 ?>

```

user_auth_fns.php

```
55 function check_valid_user() {
56 // see if somebody is logged in and notify them if not
57 if (isset($_SESSION['valid_user'])) {
58     echo "Logged in as ".$_SESSION['valid_user']."<br />";
59 } else {
60     // they are not logged in
61     do_html_heading('Problem:');
62     echo 'You are not logged in.<br />';
63     //do_html_url('login.php', 'Login');
64     do_html_footer();
65     exit;
66 }
67 }
68
69 function change_password($username, $old_password, $new_password) {
70 // change password for username/old_password to new_password
71 // return true or false
72
73 // if the old password is right
74 // change their password to new_password and return true
75 // else throw an exception
76 login($username, $old_password);
77 $conn = db_connect();
78 $result = $conn->query("update user
79                        set passwd = sha1('".$new_password."')
80                        where username = '>".$username."<";
81 if (!$result) {
82     throw new Exception('Password could not be changed.');
```

```
83 } else {
84     return true; // changed successfully
85 }
86 }
87
88 function get_random_word($min_length, $max_length) {
89 // grab a random word from dictionary between the two lengths
90 // and return it
91
92     // generate a random word
93     $word = '';
94     // remember to change this path to suit your system
95     $dictionary = '/usr/dict/words'; // the ispell dictionary
96     $fp = @fopen($dictionary, 'r');
97     if (!$fp) {
98         return false;
99     }
100     $size = filesize($dictionary);
101
102     // go to a random location in dictionary
103     $rand_location = rand(0, $size);
104     fseek($fp, $rand_location);
105
106     // get the next whole word of the right length in the file
107     while ((strlen($word) < $min_length) || (strlen($word) > $max_length) || (strstr($word, " "))) {
108         if (feof($fp)) {
```

```

109     fseek($fp, 0); // if at end, go to start
110 }
111 $word = fgets($fp, 80); // skip first word as it could be partial
112 $word = fgets($fp, 80); // the potential password
113 }
114 $word = trim($word); // trim the trailing \n from fgets
115 return $word;
116 }
117
118 function reset_password($username) {
119 // set password for username to a random value
120 // return the new password or false on failure
121 // get a random dictionary word b/w 6 and 13 chars in length
122 $new_password = get_random_word(6, 13);
123
124 if($new_password == false) {
125     throw new Exception('Could not generate new password.');
```

```

118 function reset_password($username) {
119 // set password for username to a random value
120 // return the new password or false on failure
121 // get a random dictionary word b/w 6 and 13 chars in length
122 $new_password = get_random_word(6, 13);
123
124 if($new_password == false) {
125     throw new Exception('Could not generate new password.');
```

view_post.php

```
1 <?php
2 // include function libraries
3 include ('include_fns.php');
4 $postid = $_GET['postid'];
5 // get post details
6 $post = get_post($postid);
7
8 do_html_header($post['title']);
9
10
11 // display post
12 display_post($post);
13
14 // if post has any replies, show the tree view of them
15 if($post['children']) {
16     echo "<br /><br />";
17     display_replies_line();
18     display_tree($_SESSION['expanded'], 0, $postid);
19 }
20
21 do_html_footer();
22 ?>
```




Welcome to the Flower World

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Members log in here:

Username:

Password:

Log in

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User Registration

Email address:	<input type="text" value="scastaneda34@gmail.com"/>
Preferred username (max 16 chars):	<input type="text" value="Steven0713"/>
Password (between 6 and 16 chars):	<input type="password" value="....."/>
Confirm password:	<input type="password" value="....."/>
<input type="button" value="Register"/>	

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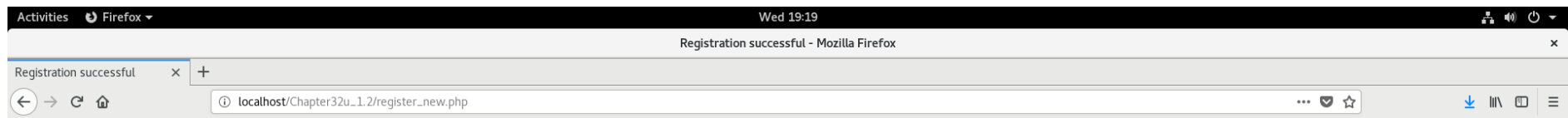
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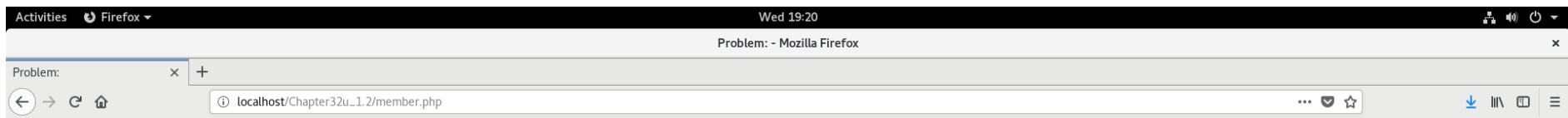
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Registration successful

Your registration was successful. Go to the members page to start setting up your [forum!](#)



Problem:

You could not be logged in. You must be logged in to view this page.

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Members log in here:

Username:

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Activities

Firefox

Wed 19:20

Welcome to the Flower World - Mozilla Firefox

Welcome to the Flower Wor x +


localhost/Chapter32u_1.2/member.php

...

☆

↓

≡



Flower Power

Welcome to the Flower World

Logged in as scastaneda34.

New Post

Expand

Collapse

Logout

+ Welcome! - Steven - 2018-12-12 01:20:44

+ Meeting - Steven - 2018-12-12 01:22:08

+ Inventory - Duncan - 2018-12-12 01:36:58

+ Overtime - Duncan - 2018-12-12 01:39:17

+ Team Event! - Steven - 2018-12-12 01:40:46

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New Post Expand Collapse Logout

Re: Team Event! - Steven - 2018-12-12 01:41:17

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Activities


Firefox

Wed 19:20

New Post - Mozilla Firefox

New Post

localhost/Chapter32u_1.2/new_post.php?parent=0



New Post

Your Name:

Message Title:

New Post

Index

Post

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[Re: Welcome! - Casey - 2018-12-12 01:34:55](#)

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