

```
1
2 COMMON FUNCTIONS for Mock-up Library Website (LIBR 246 – PHP/MySQL). Written by
3 Erica Krimmel, Fall 2013.
4
5 <?php
6
7 function connectDatabase($server)
8 {
9     if ($server == 'localhost')
10    {
11        $db = mysql_connect('localhost','root','');
12
13        print $db;
14
15        if (!$db)
16        {
17            print "<h1>Unable to Connect to MySQL</h1>";
18        }
19
20        $dbname = 'test';
21
22        $btest = mysql_select_db($dbname);
23
24        if (!$btest)
25        {
26            print "<h1>Unable to Select the Database</h1>";
27        }
28
29    } else {
30
31        require('../DBtest.php');
32
33        $host = 'localhost';
34        $userid = '7admin7';
35        $password = '7dosql7';
36
37        $db = mysql_perry_pconnect($host, $userid, $password);
38
39        if (!$db)
40        {
41            print "<h1>Unable to Connect to MySQL</h1>";
42            exit;
43        }
44
45        $dbname = '7phpmysql7';
46        $dbtest= mysql_perry_select_db($dbname);
47
48        if (!$dbtest)
49        {
50            print "<h1>Unable to Select the Database</h1>";
51        }
52    }
53
```

```
54     return $db;
55
56 }
57
58
59
60 function selectResults($statement, $db)
61 {
62
63     $output = "";
64     $outputArray = array();
65
66     $server = getServer();
67     $db = connectDatabase($server);
68
69     if ($db)
70     {
71         $result = mysql_query($statement);
72
73         if (!$result) {
74             $output .= "ERROR";
75             $output .= "<br /><font color=red>MySQL No: ".mysql_errno();
76             $output .= "<br />MySQL Error: ".mysql_error();
77             $output .= "<br />SQL Statement: ".$statement;
78             $output .= "<br />MySQL Affected Rows: ".mysql_affected_rows();
79             "</font><br />";
80
81             array_push($outputArray, $output);
82
83         } else {
84
85             $numresults = mysql_num_rows($result);
86
87             array_push($outputArray, $numresults);
88
89             for ($i = 0; $i < $numresults; $i++)
90             {
91                 $row = mysql_fetch_array($result);
92
93                 array_push($outputArray, $row);
94             }
95             if ($numresults == 0)
96             {
97                 $outputArray = 'noResults';
98             }
99         }
100     } else {
101
102         array_push($outputArray, 'ERROR-No DB Connection');
103
104     }
105 }
106
```

```
107     return $outputArray;
108 }
109
110
111
112 function insertPatron($db, $myFirstname, $myLastname, $myEmail, $myBirth, $myResidence,
113 $myUserid, $myPassword)
114 {
115     $server = getServer();
116     $db = connectDatabase($server);
117
118     $statement = "insert into k2083_patron (firstname, lastname, email, birthyear,
119 city, userid, password) ";
120     $statement .= "values (";
121     $statement .= "".$myFirstname.", ".$myLastname.", ".$myEmail.", ".$myBirth.",
122     ".$myResidence.", ".$myUserid.", ".$myPassword.""";
123     $statement .= ")";
124
125     $result = mysql_query($statement);
126
127     //PRINT CONFIRMATION
128
129     if ($result)
130     {
131         $currentYear = date('Y');
132         $age = $currentYear - $myBirth;
133
134         if (0 <= $age && $age <= 15)
135         {
136             $section = 'Children';
137         }
138         if (16 <= $age && $age <= 54)
139         {
140             $section = 'Adult';
141         }
142         if (55 <= $age)
143         {
144             $section = 'Senior';
145         }
146
147         print"<h2>Thank you for registering!</h2>";
148         print "<p><b>Name:</b> ".$myFirstname;
149         print " ".$myLastname;
150         print "<br /><b>User ID:</b> ".$myUserid;
151         print "<br /><b>Password:</b> ".$myPassword;
152         print "<br /><b>Email:</b> ".$myEmail;
153         print "<br /><b>City:</b> ".$myResidence;
154         print "<br /><b>Section</b>: ".$section;
155         return 'patron_id';
156     } else {
157         $errno = mysql_errno($db);
158
159         if ($errno == '1062') {
```

```
160     print "<br>Patron is already registered in database: <br />".$myLastName."  
161     ".$myFirstname;  
162 } else {  
163     print("<h4>MySQL No: ".mysql_errno($result)."</h4>");  
164     print("<h4>MySQL Error: ".mysql_error($result)."</h4>");  
165     print("<h4>SQL: ".$statement."</h4>");  
166     print("<h4>MySQL Affected Rows: ".mysql_affected_rows($result)."</h4>");  
167 }  
168  
169     return 'NotAdded';  
170 }  
171 }  
172  
173 function displayPage($myFirstName, $myLastName, $myEmail, $myBirth, $myResidence)  
174 {  
175     //DETERMINE USERS AGE AND SECTION  
176  
177     $currentYear = date('Y');  
178     $age = $currentYear - $myBirth;  
179  
180     if (0 <= $age && $age <= 15)  
181     {  
182         $section = 'Children';  
183     }  
184     if (16 <= $age && $age <= 54)  
185     {  
186         $section = 'Adult';  
187     }  
188     if (55 <= $age)  
189     {  
190         $section = 'Senior';  
191     }  
192  
193     //PRINT ERROR MESSAGES OR CONFIRMATION  
194  
195     print"<h2>Thank you for registering!</h2>";  
196     print "<p>Name: ".$myFirstName.' '.$myLastName;  
197     print "<br />Email: ".$myEmail;  
198     print "<br />City: ".$myResidence;  
199     print "<br />Section: ".$section;  
200 }  
201  
202  
203  
204 function iduResults($statement, $db)  
205 {  
206  
207     $output = "";  
208     $outputArray = array();  
209  
210     if ($db)  
211     {  
212         $result = mysql_query($statement);
```

```
213
214     if (!$result)
215     {
216         $errno = mysql_errno($db);
217
218         if ($errno == '1062')
219         {
220             $output .= "ERROR";
221             $output .= "<br />Userid is already in system";
222         } else {
223             $output .= "ERROR";
224             $output .= "<br /><font color=red>MySQL No: ".mysql_errno();
225             $output .= "<br />MySQL Error: ".mysql_error();
226             $output .= "<br />SQL Statement: ".$statement;
227             $output .= "<br />MySQL Affected Rows: ".mysql_affected_rows().
228                 "</font><br />";
229         }
230
231     } else {
232         $output = mysql_affected_rows();
233     }
234
235 } else {
236
237     $output = 'ERROR-No DB Connection';
238
239 }
240
241 return $output;
242 }
243
244
245
246 function getServer()
247 {
248     global $server;
249
250     $server = $_SERVER['SERVER_NAME'];
251     if ($server == 'ntowl.com')
252     {
253         $server = 'Practice Area';
254     } else {
255         $server = 'localhost';
256     }
257
258     return $server;
259 }
260
261
262
263 function doValidation($myFirstname, $myLastname, $myEmail, $myBirth, $myResidence,
264 $myUserid, $myPassword)
265 {
```

```
266
267     if (empty($myFirstname))
268     {
269         $errmsg .="<br />Error: You must enter a First Name.";
270     }
271     if (empty($myLastname))
272     {
273         $errmsg .="<br />Error: You must enter a Last Name.";
274     }
275     if (empty($myEmail))
276     {
277         $errmsg .="<br />Error: You must enter your Email.";
278     }
279     if (empty($myBirth))
280     {
281         $errmsg .="<br />Error: You must enter your Birth Year.";
282     }
283     if (!is_numeric($myBirth) || strlen($myBirth) != 4)
284     {
285         $errmsg .="<br />Error: Your Birth Year must be numeric and four digits.";
286     }
287     if ($myResidence == '-')
288     {
289         $errmsg .="<br />Error: You must select a City.";
290     }
291     if (empty($myUserid) || strlen($myUserid) > 10)
292     {
293         $errmsg .="<br />Error: You must choose a user ID that is 10 characters
294         or less.";
295     }
296     if (empty($myPassword) || strlen($myPassword) > 10)
297     {
298         $errmsg .="<br />Error: You must choose a password that is 10 characters
299         or less.";
300     }
301
302     return $errmsg;
303
304 }
305
306 ?>
```