

```
1 <!DOCTYPE html>
2 <?php
3 // Setting the current ghost class that the user is searching in.
4 // The 'setghostclass' select tag rewrites the current ghost class, specified by
   'ghostclass' hidden input.
5 if(isset($_POST['setghostclass']) || isset($_POST['ghostclass']))
6     $ghostclass = isset($_POST['setghostclass']) ? $_POST['setghostclass'] :
   $_POST['ghostclass'];
7 else
8     $ghostclass = "";
9
10 if(!isset($_POST['searchstring']))
11     die('Invalid request');
12
13 $dbhost="localhost";
14 $dbuser = "root";
15 $dbpass = null;
16 $dbname = "ghostcont";
17
18 $conn = mysqli_connect($dbhost, $dbuser, $dbpass);
19 if (!$conn)
20     die("Connection failed: " . mysqli_connect_error());
21
22 $res = mysqli_select_db($conn, $dbname);
23 if(!$res)
24     die('Corrupted database: ' . mysqli_error($conn));
25 ?>
26
27 <html>
28 <body>
29
30 <?php
31 switch ($ghostclass){
32 case("1"):
33     $ghostclassname = "Undeveloped forms";
34     $ghostclassimage = "ectoplasm.webp";
35     break;
36 case("2"):
37     $ghostclassname = "Manifestations in time/space";
38     $ghostclassimage = "candelabrumcrawler.webp";
39     break;
40 case("3"):
41     $ghostclassname = "Anonymous hauntings";
42     $ghostclassimage = "bellhopghost.webp";
43     break;
44 case("4"):
45     $ghostclassname = "Identified hauntings";
46     $ghostclassimage = "libraryghost.webp";
47     break;
48 case("5"):
49     $ghostclassname = "Non-human form manifestations";
50     $ghostclassimage = "slimer.webp";
51     break;
52 case("6"):
53     $ghostclassname = "Ghosts from lower life forms";
```

```
54 $ghostclassimage = "paperconstruct.webp";
55 break;
56 case("7"):
57     $ghostclassname = "Metaspectres";
58     $ghostclassimage = "gozer.webp";
59     break;
60 }
61 if ($ghostclass !== ""){
62     echo "<h1>" . $ghostclassname . "</h1>\n";
63     echo "<img src=\"\" . $ghostclassimage . "\"" alt=\"\" . $ghostclassname . "\""
64         width=\"500\">\n";
65 }
66 ?>
67 <form action="results.php" method="post">
68 Select a ghost class:
69 <select name="setghostclass">
70     <option value="">(no class selected)</option>
71     <option value="1" <?php if($ghostclass==='1') echo "selected";?>>Class I -
72     undeveloped forms</option>
73     <option value="2" <?php if($ghostclass==='2') echo "selected";?>>Class II -
74     manifestations in time/space</option>
75     <option value="3" <?php if($ghostclass==='3') echo "selected";?>>Class III -
76     anonymous hauntings</option>
77     <option value="4" <?php if($ghostclass==='4') echo "selected";?>>Class IV -
78     identified hauntings</option>
79     <option value="5" <?php if($ghostclass==='5') echo "selected";?>>Class V -
80     non-human form manifestations</option>
81     <option value="6" <?php if($ghostclass==='6') echo "selected";?>>Class VI -
82     ghosts from lower life forms</option>
83     <option value="7" <?php if($ghostclass==='7') echo "selected";?>>Class VII -
84     metaspectres</option>
85 </select>
86 <input type="hidden" name="searchstring" value="<?php echo
87     htmlspecialchars($_POST['searchstring'], ENT_QUOTES);?>">
88 <input type="submit" value="set ghost class">
89 </form>
90
91 <form action="results.php" method="post">
92
93 Search again: <input type="text" name="searchstring">
94 <input type="submit" value="search">
95 <?php
96 // Making the current ghost class persistent.
97 if($ghostclass !== "")
98     echo "<input type=\"hidden\" name=\"ghostclass\" value=\"\" .
99     htmlspecialchars($ghostclass, ENT_QUOTES) . "\"">\n";
100 ?>
101 </form><br>
102
103 <h1>Results for "<?php echo htmlspecialchars($_POST['searchstring'],
104     ENT_QUOTES);?>":</h1>
105
106 <?php
```

```
98 // Restricting the query only to a single ghost class, if specified.
99 if ($ghostclass !== "")
100 $query="SELECT name, descr FROM ghosts WHERE class = " . $ghostclass . " AND
    descr LIKE '%" . mysqli_escape_string($conn, $_POST['searchstring']) . "%'";
101 else
102 $query="SELECT name, descr FROM ghosts WHERE descr LIKE '%" .
    mysqli_escape_string($conn, $_POST['searchstring']) . "%'";
103
104 $res = mysqli_query($conn, $query);
105 if(!$res)
106 die('Invalid query: ' . mysqli_error($conn));
107
108 // Displaying query results.
109 if(mysqli_num_rows($res) === 0)
110 echo "(no result)";
111 else {
112 echo "<div><table><thead>\n";
113 echo "<tr><th scope=\"col\">Ghost name</th><th scope=\"col\">Ghost
    description</th></tr>\n";
114 echo "</thead>\n";
115 echo "<tbody>\n";
116
117 while ($row = mysqli_fetch_assoc($res)) {
118 echo "<tr><div class=\"row\">\n";
119 echo "<td>".$row['name']."</td>\n";
120 echo "<td>".$row['descr']."</td>\n";
121 echo "</div></tr>\n";
122 }
123 echo "</tbody></table></div>\n";
124 mysqli_free_result($res);
125 }
126 ?>
127
128 </body>
129 </html>
130
131 <?php
132 mysqli_close($conn);
133 ?>
134
135
```