

```
1.
2. <!DOCTYPE html
3.     PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
4.     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
5.
6. <!--
7.
8.     froshims1.html
9.
10.     Displays a registration page for Frosh IMs.
11.
12.     David J. Malan <dmalan@harvard.edu>
13.     Computer Science S-75
14.     Harvard Summer School
15.
16. -->
17.
18. <html xmlns="http://www.w3.org/1999/xhtml">
19.     <head>
20.         <title>Frosh IMs</title>
21.     </head>
22.     <body>
23.         <div align="center">
24.             <h1>Register for Frosh IMs</h1>
25.             <br /><br />
26.             <form action="register1.php" method="get">
27.                 <table border="0" style="text-align: left;">
28.                     <tr>
29.                         <td>Name:</td>
30.                         <td><input name="name" type="text" /></td>
31.                     </tr>
32.                     <tr>
33.                         <td>Email:</td>
34.                         <td><input name="email" type="text" /></td>
35.                     </tr>
36.                     <tr>
37.                         <td>Phone:</td>
38.                         <td><input name="phone" type="text" /></td>
39.                     </tr>
40.                     <tr>
41.                         <td>Captain:</td>
42.                         <td><input name="captain" type="checkbox" /></td>
43.                     </tr>
44.                     <tr>
45.                         <td>Gender:</td>
46.                         <td>
47.                             <input name="gender" type="radio" value="F" /> F
48.                             <input name="gender" type="radio" value="M" /> M
```

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49.         </td>
50.     </tr>
51.     <tr>
52.         <td>Dorm:</td>
53.         <td>
54.             <select multiple="multiple" name="dorm[]" size="10">
55.                 <option value="Apley Court">Apley Court</option>
56.                 <option value="Canaday">Canaday</option>
57.                 <option value="Grays">Grays</option>
58.                 <option value="Greenough">Greenough</option>
59.                 <option value="Hollis">Hollis</option>
60.                 <option value="Holworthy">Holworthy</option>
61.                 <option value="Hurlbut">Hurlbut</option>
62.                 <option value="Lionel">Lionel</option>
63.                 <option value="Matthews">Matthews</option>
64.                 <option value="Mower">Mower</option>
65.                 <option value="Pennypacker">Pennypacker</option>
66.                 <option value="Stoughton">Stoughton</option>
67.                 <option value="Straus">Straus</option>
68.                 <option value="Thayer">Thayer</option>
69.                 <option value="Weld">Weld</option>
70.                 <option value="Wigglesworth">Wigglesworth</option>
71.             </select>
72.         </td>
73.     </tr>
74. </table>
75. <br /><br />
76. <input type="submit" value="Register!" />
77. </form>
78. </div>
79. </body>
80. </html>

```

```

1. <?
2.     error_reporting(E_ALL);
3.     ini_set("display_errors", TRUE);
4. ?>
5.
6. <html xmlns="http://www.w3.org/1999/xhtml">
7.     <head>
8.         <title>Frosh IMs</title>
9.     </head>
10.    <body>
11.        <?
12.            if (isset($_GET["action"]))
13.                print("<h1>THANKS FOR REGISTERING!</h1>");
14.        ?>
15.        <div align="center">
16.            <h1>Register for Frosh IMs</h1>
17.            <br /><br />
18.            <form action="froshims2.php" method="get">
19.                <table border="0" style="text-align: left;">
20.                    <tr>
21.                        <td>Name:</td>
22.                        <td><input name="name" type="text" value="<?= htmlspecialchars($_GET["name"]) ?>" /></td>
23.                    </tr>
24.                    <tr>
25.                        <td>Email:</td>
26.                        <td><input name="email" type="text" /></td>
27.                    </tr>
28.                    <tr>
29.                        <td>Phone:</td>
30.                        <td><input name="phone" type="text" /></td>
31.                    </tr>
32.                    <tr>
33.                        <td>Captain:</td>
34.                        <td><input name="captain" type="checkbox" /></td>
35.                    </tr>
36.                    <tr>
37.                        <td>Gender:</td>
38.                        <td>
39.                            <input name="gender" type="radio" value="F" /> F
40.                            <input name="gender" type="radio" value="M" /> M
41.                        </td>
42.                    </tr>
43.                    <tr>
44.                        <td>Dorm:</td>
45.                        <td>
46.                            <select multiple="multiple" name="dorm[]" size="10">
47.                                <option value="Apley Court">Apley Court</option>
48.                                <option value="Canaday">Canaday</option>

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49.         <option value="Grays">Grays</option>
50.         <option value="Greenough">Greenough</option>
51.         <option value="Hollis">Hollis</option>
52.         <option value="Holworthy">Holworthy</option>
53.         <option value="Hurlbut">Hurlbut</option>
54.         <option value="Lionel">Lionel</option>
55.         <option value="Matthews">Matthews</option>
56.         <option value="Mower">Mower</option>
57.         <option value="Pennypacker">Pennypacker</option>
58.         <option value="Stoughton">Stoughton</option>
59.         <option value="Straus">Straus</option>
60.         <option value="Thayer">Thayer</option>
61.         <option value="Weld">Weld</option>
62.         <option value="Wigglesworth">Wigglesworth</option>
63.     </select>
64. </td>
65. </tr>
66. </table>
67. <br /><br />
68. <input name="action" type="submit" value="Register!" />
69. </form>
70. </div>
71. </body>
72. </html>
```

```
1.
2. <!DOCTYPE html
3.     PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
4.     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
5.
6. <!--
7.
8.     register1.php
9.
10.     Registers user.
11.
12.     David J. Malan <dmalan@harvard.edu>
13.     Computer Science S-75
14.     Harvard Summer School
15.
16. -->
17.
18. <html xmlns="http://www.w3.org/1999/xhtml">
19.     <head>
20.         <title>Frosh IMs</title>
21.     </head>
22.     <body>
23.         <b>Name:</b>
24.         <?
25.             if (@$_GET["name"])
26.                 print(htmlspecialchars($_GET["name"]));
27.             else
28.                 print("MISSING");
29.         ?>
30.         <br />
31.         <b>Email:</b>
32.         <?
33.             if (!$_GET["email"])
34.                 print("MISSING");
35.             else if (!preg_match("/^(\\w+)@\\w+\\.edu$/", $_GET["email"], $matches))
36.                 print("INVALID");
37.             else
38.                 print($matches[1]);
39.
40.         ?>
41.         <br />
42.         <b>Phone:</b>
43.         <?
44.             $phone = $_GET["phone"];
45.             $phone = preg_replace("/[^\\d]/", "", $phone);
46.             preg_match("/^(\\d{3})(\\d{3})(\\d{4})$/", $phone, $matches);
47.             print($matches[1] . "-" . $matches[2] . "-" . $matches[3]);
48.         ?>
```

```
49.     </body>
50. </html>
51.
52.
53.
54.
```

```
1. <?
2.     /**
3.      * home.php
4.      *
5.      * A simple home page for these login demos.
6.      *
7.      * Computer Science S-75
8.      * David J. Malan
9.      */
10.
11.     // enable sessions
12.     session_start();
13. ?>
14.
15. <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
16.
17. <html xmlns="http://www.w3.org/1999/xhtml">
18.     <head>
19.         <title>Home</title>
20.     </head>
21.     <body>
22.         <h1>Home</h1>
23.         <h3>
24.             <? if ($_SESSION["authenticated"]) { ?>
25.                 You are logged in!
26.                 <br />
27.                 <a href="logout.php">log out</a>
28.             <? } else { ?>
29.                 You are not logged in!
30.             <? } ?>
31.         </h3>
32.         <br />
33.         <b>Login Demos</b>
34.         <ul>
35.             <li><a href="login1.php">version 1</a></li>
36.             <li><a href="login2.php">version 2</a></li>
37.             <li><a href="login3.php">version 3</a></li>
38.             <li><a href="login4.php">version 4</a></li>
39.         </ul>
40.     </body>
41. </html>
```

```

1. <?
2.  /**
3.   * login1.php
4.   *
5.   * A simple login module.
6.   *
7.   * Computer Science S-75
8.   * David J. Malan
9.   */
10.
11. // enable sessions
12. session_start();
13.
14. // were this not a demo, these would be in some database
15. define("USER", "jharvard");
16. define("PASS", "crimson");
17.
18. // if username and password were submitted, check them
19. if (isset($_POST["user"]) && isset($_POST["pass"]))
20. {
21.     // if username and password are valid, log user in
22.     if ($_POST["user"] == USER && $_POST["pass"] == PASS)
23.     {
24.         // remember that user's logged in
25.         $_SESSION["authenticated"] = TRUE;
26.
27.         // redirect user to home page, using absolute path, per
28.         // http://us2.php.net/manual/en/function.header.php
29.         $host = $_SERVER["HTTP_HOST"];
30.         $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
31.         header("Location: http://$host$path/home.php");
32.         exit;
33.     }
34. }
35. ?>
36.
37. <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
38.
39. <html xmlns="http://www.w3.org/1999/xhtml">
40.     <head>
41.         <title>Log In</title>
42.     </head>
43.     <body>
44.         <? if (count($_POST) > 0) echo "INVALID LOGIN"; ?>
45.         <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
46.             <table>
47.                 <tr>
48.                     <td>Username:</td>

```

```
49.         <td><input name="user" type="text" /></td>
50.     </tr>
51.     <tr>
52.         <td>Password:</td>
53.         <td><input name="pass" type="password" /></td>
54.     </tr>
55.     <tr>
56.         <td></td>
57.         <td><input type="submit" value="Log In" /></td>
58.     </tr>
59. </table>
60. </form>
61. </body>
62. </html>
```

```

1. <?
2.  /**
3.   * login2.php
4.   *
5.   * A simple login module that pre-populates the username field
6.   * upon failed login, just in case user simply mistyped password.
7.   *
8.   * Computer Science S-75
9.   * David J. Malan
10.  */
11.
12.  // enable sessions
13.  session_start();
14.
15.  // were this not a demo, these would be in some database
16.  define("USER", "jharvard");
17.  define("PASS", "crimson");
18.
19.  // if username and password were submitted, check them
20.  if (isset($_POST["user"]) && isset($_POST["pass"]))
21.  {
22.      // if username and password are valid, log user in
23.      if ($_POST["user"] == USER && $_POST["pass"] == PASS)
24.      {
25.          // remember that user's logged in
26.          $_SESSION["authenticated"] = TRUE;
27.
28.          // redirect user to home page, using absolute path, per
29.          // http://us2.php.net/manual/en/function.header.php
30.          $host = $_SERVER["HTTP_HOST"];
31.          $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
32.          header("Location: http://$host$path/home.php");
33.          exit;
34.      }
35.  }
36.  ?>
37.
38.  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
39.
40.  <html xmlns="http://www.w3.org/1999/xhtml">
41.  <head>
42.      <title>Log In</title>
43.  </head>
44.  <body>
45.      <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
46.          <table>
47.              <tr>
48.                  <td>Username:</td>

```

```
49.         <td><input name="user" type="text" value="<? echo $_POST["user"]; ?>" /></td>
50.     </tr>
51.     <tr>
52.         <td>Password:</td>
53.         <td><input name="pass" type="password" /></td>
54.     </tr>
55.     <tr>
56.         <td></td>
57.         <td><input type="submit" value="Log In" /></td>
58.     </tr>
59. </table>
60. </form>
61. </body>
62. </html>
```

```

1. <?
2.     /**
3.      * login3.php
4.      *
5.      * A simple login module that remembers username of most recently
6.      * authenticated user so that it can pre-populate the username
7.      * field next time.
8.      *
9.      * Computer Science S-75
10.     * David J. Malan
11.     */
12.
13.     // enable sessions
14.     session_start();
15.
16.     // were this not a demo, these would be in some database
17.     define("USER", "jharvard");
18.     define("PASS", "crimson");
19.
20.     // if username and password were submitted, check them
21.     if (isset($_POST["user"]) && isset($_POST["pass"]))
22.     {
23.         // if username and password are valid, log user in
24.         if ($_POST["user"] == USER && $_POST["pass"] == PASS)
25.         {
26.             // remember that user's logged in
27.             $_SESSION["authenticated"] = TRUE;
28.
29.             // save username in cookie for a week
30.             setcookie("user", $_POST["user"], time() + 7 * 24 * 60 * 60);
31.
32.             // redirect user to home page, using absolute path, per
33.             // http://us2.php.net/manual/en/function.header.php
34.             $host = $_SERVER["HTTP_HOST"];
35.             $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
36.             header("Location: http://$host$path/home.php");
37.             exit;
38.         }
39.     }
40. ?>
41.
42. <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
43.
44. <html xmlns="http://www.w3.org/1999/xhtml">
45.     <head>
46.         <title>Log In</title>
47.     </head>
48.     <body>

```

```
49. <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
50.   <table>
51.     <tr>
52.       <td>Username:</td>
53.       <td><input name="user" type="text" value="<? echo ($_POST["user"]) ? $_POST["user"] : $_COOKIE["user"]; ?>" /></td>
54.     </tr>
55.     <tr>
56.       <td>Password:</td>
57.       <td><input name="pass" type="password" /></td>
58.     </tr>
59.     <tr>
60.       <td></td>
61.       <td><input type="submit" value="Log In" /></td>
62.     </tr>
63.   </table>
64. </form>
65. </body>
66. </html>
```

```

1. <?
2.  /**
3.   * login4.php
4.   *
5.   * A simple login module that lets a user stay logged in
6.   * by saving username and, ack, password in cookies.
7.   *
8.   * Computer Science S-75
9.   * David J. Malan
10.  */
11.
12.  // enable sessions
13.  session_start();
14.
15.  // were this not a demo, these would be in some database
16.  define("USER", "jharvard");
17.  define("PASS", "crimson");
18.
19.  // if username and password were saved in cookie, check them
20.  if (isset($_COOKIE["user"]) && isset($_COOKIE["pass"]))
21.  {
22.      // if username and password are valid, log user back in
23.      if ($_COOKIE["user"] == USER && $_COOKIE["pass"] == PASS)
24.      {
25.          // remember that user's logged in
26.          $_SESSION["authenticated"] = TRUE;
27.
28.          // re-save username and, ack, password in cookies for another week
29.          setcookie("user", $_COOKIE["user"], time() + 7 * 24 * 60 * 60);
30.          setcookie("pass", $_COOKIE["pass"], time() + 7 * 24 * 60 * 60);
31.
32.          // redirect user to home page, using absolute path, per
33.          // http://us2.php.net/manual/en/function.header.php
34.          $host = $_SERVER["HTTP_HOST"];
35.          $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
36.          header("Location: http://$host$path/home.php");
37.          exit;
38.      }
39.  }
40.
41.  // else if username and password were submitted, grab them instead
42.  else if (isset($_POST["user"]) && isset($_POST["pass"]))
43.  {
44.      // if username and password are valid, log user in
45.      if ($_POST["user"] == USER && $_POST["pass"] == PASS)
46.      {
47.          // remember that user's logged in
48.          $_SESSION["authenticated"] = TRUE;

```

```

49.
50.     // save username in cookie for a week
51.     setcookie("user", $_POST["user"], time() + 7 * 24 * 60 * 60);
52.
53.     // save password in, ack, cookie for a week if requested
54.     if ($_POST["keep"])
55.         setcookie("pass", $_POST["pass"], time() + 7 * 24 * 60 * 60);
56.
57.     // redirect user to home page, using absolute path, per
58.     // http://us2.php.net/manual/en/function.header.php
59.     $host = $_SERVER['HTTP_HOST'];
60.     $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
61.     header("Location: http://$host$path/home.php");
62.     exit;
63. }
64. }
65. ?>
66.
67. <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
68.
69. <html xmlns="http://www.w3.org/1999/xhtml">
70.     <head>
71.         <title>Log In</title>
72.     </head>
73.     <body>
74.         <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
75.             <table>
76.                 <tr>
77.                     <td>Username:</td>
78.                     <td><input name="user" type="text" value="<? echo ($_POST["user"]) ? $_POST["user"] : $_COOKIE["user"]; ?>" /></td>
79.                 </tr>
80.                 <tr>
81.                     <td>Password:</td>
82.                     <td><input name="pass" type="password" /></td>
83.                 </tr>
84.                 <tr>
85.                     <td></td>
86.                     <td><input name="keep" type="checkbox" /> &nbsp; keep me logged in until I click <b>log out</b></td>
87.                 </tr>
88.                 <tr>
89.                     <td></td>
90.                     <td><input type="submit" value="Log In" /></td>
91.                 </tr>
92.             </table>
93.         </form>
94.     </body>
95. </html>

```

```
1. <?
2.     /**
3.      * logout.php
4.      *
5.      * A simple logout module for all of our login modules.
6.      *
7.      * Computer Science S-75
8.      * David J. Malan
9.      */
10.
11.     // enable sessions
12.     session_start();
13.
14.     // delete cookies, if any
15.     setcookie("user", "", time() - 3600);
16.     setcookie("pass", "", time() - 3600);
17.
18.     // log user out
19.     setcookie(session_name(), "", time() - 3600);
20.     session_destroy();
21. ?>
22.
23. <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
24.
25. <html xmlns="http://www.w3.org/1999/xhtml">
26.     <head>
27.         <title>Log Out</title>
28.     </head>
29.     <body>
30.         <h1>You are logged out!</h1>
31.         <h3><a href="home.php">home</a></h3>
32.     </body>
33. </html>
```