

Assignment-3: User Registration, Authentication, File Upload

1. Authentication

HTML Code:

```
login.html x login.php x
1 <!DOCTYPE html>
2 <head><title> Login Page </title>
3 </head>
4 <body>
5     <form method = "post" action="login.php">                                <!--Login form -->
6         <fieldset>
7             <legend>Login</legend>
8             <p>
9                 <label>Username:</label>
10                <input type = "text" name = "strUsername">                    <!--Username-->
11            </p>
12            <p>
13                <label>Password:</label>
14                <input type="password" name = "strPassword">                <!--Password-->
15            </p>
16            <input type = "submit" name = "submit">                            <!--Submit-->
17        </fieldset>
18    </form>
19 </body>
20 </html>
```

PHP Code:

```
login.html x login.php x
1 <?php
2 if(isset($_POST["submit"]))          // Checking submit button value
3 {
4     // Array with keys and values
5     $strUserPass = array("john"=>"red", "simon"=>"green", "liz"=>"blue", "david"=>"yellow");
6
7     // Checking if array key exists
8     if(array_key_exists($_POST["strUsername"],$strUserPass))
9     {
10        // Verifying key and value
11        if($strUserPass[$_POST["strUsername"]] == $_POST["strPassword"])
12        {
13            header("location:http://uoit.ca");    // Redirect if key and value matches
14        }
15    }
16    echo "<h1>Incorrect Username and/or password!</h1>";    // Else Print error message
17 }
18 ?>
19
```

Output:

Login

Username:

Password:

Incorrect Username and/or password!

2.

2.1

HTML and CSS

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User Login:
Username:
Password:

Registration: [New users click here to register](#)

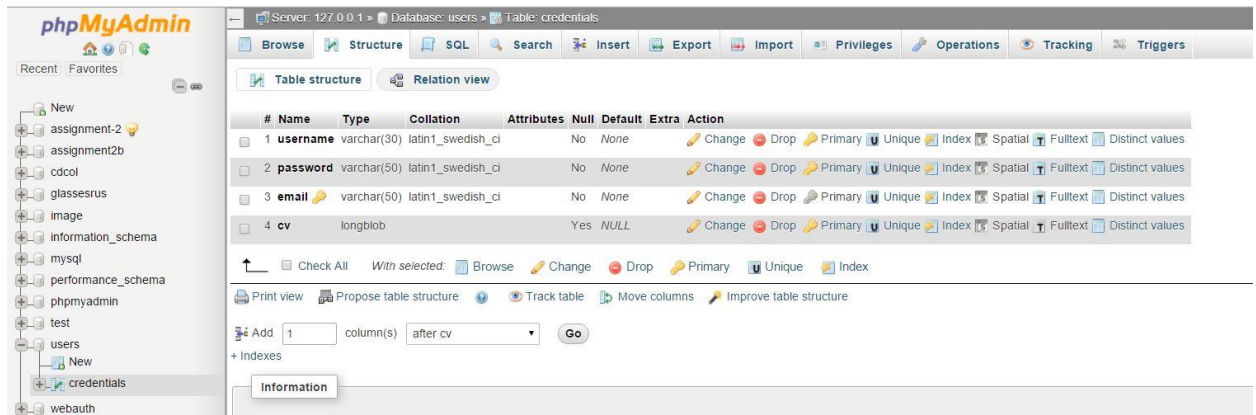
HTML Code:

```
1 <!DOCTYPE html>
2 <html>
3 <head><title> HR </title>
4 <link href="main.css" rel="stylesheet">
5 </head>
6 <body>
7 <hr noshade> <!--Horizontal line-->
8 <div class = "header">
9 <img src = "hr.png" name="img"> <!--HR Logo - image-->
10 <h1>Group_11-HR Consulting Services</h1> <!-- Heading -->
11 </div>
12
13 <div class = "login">
14 <form action='HR-0.php' method="post"> <!-- Form to post login details -->
15 <br>
16 <em> <font color="orange">User Login:</font></em>
17 <table>
18 <tr>
19 <td>Username:</td>
20 <td><input type='text' name='strUsername' /></td> <!-- Username -->
21 </tr>
22 <tr>
23 <td>Password:</td>
24 <td><input type='password' name='strPassword' /></td> <!-- Password -->
25 </tr>
26 <tr>
27 <td><input type = "submit" name='submit'></td> <!-- Submit button -->
28 </tr>
29 <tr>
30 <td><em><font color="orange">Registration:</font></em></td> <!-- Login footer -->
31 <td><a href = "register.html">New users click here to register</td>
32 </tr>
33 </table>
34 </form>
35 </div>
36 <div class="HR">
37 <hr size = 5, color=orange> <!-- Horizontal lines -->
38 <hr size = 15, color=blue>
39 </div>
40 </body>
41 </html>
```

CSS Code:

```
1  .header{
2      display: inline-block;
3      float: left;
4  }
5
6  .header h1{
7      color: orange;
8      display: inline;
9      margin: 0;
10     font-size: 3em;
11 }
12 .login{
13     float: right;
14     display: inline;
15 }
16 .login p{
17     margin: 0.2em;
18     font-size: 0.8em;
19 }
20
21 #login-header{
22     font-style: italic;
23     color: orange;
24 }
25 #registration{
26     font-style: italic;
27     color: orange;
28 }
29 .login a{
30     font-style: italic;
31     color: blue;
32 }
33 .HR{
34     clear: both;
35 }
36
```

2.2 Creating database



2.3 Populating database - - Utilizing MD5 has function

```
1  -- phpMyAdmin SQL Dump
2  -- version 4.4.14
3  -- http://www.phpmyadmin.net
4  --
5  -- Host: 127.0.0.1
6  -- Generation Time: Nov 16, 2015 at 01:55 AM
7  -- Server version: 5.6.26
8  -- PHP Version: 5.6.12
9
10 SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
11 SET time_zone = "+00:00";
12
13
14 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
15 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
16 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
17 /*!40101 SET NAMES utf8mb4 */;
18
19 --
20 -- Database: `users`
21 --
22 --
23 --
24 --
25 --
26 -- Table structure for table `credentials`
27 --
28 --
29 CREATE TABLE IF NOT EXISTS `credentials` (
30   `username` varchar(30) NOT NULL,
31   `password` varchar(50) NOT NULL,
32   `email` varchar(50) NOT NULL,
33   `cv` longblob
34 ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
35
36 --
37 -- Dumping data for table `credentials`
38 --
39
40 INSERT INTO `credentials` (`username`, `password`, `email`, `cv`) VALUES
41 ('alex', 'd487dd0b55dfcacdd920ccbdadeafa351', 'alex@hr.com', '0x255044462d312e340d25e2e3cfd30d0a3232312030206f626a203c3c2f4c6
42 INSERT INTO `credentials` (`username`, `password`, `email`, `cv`) VALUES
43 ('john', 'bda9643ac6601722a28f238714274da4', 'john@hr.com', '0x255044462d312e340d25e2e3cfd30d0a3232312030206f626a203c3c2f4c6
44 INSERT INTO `credentials` (`username`, `password`, `email`, `cv`) VALUES
45 ('liz', '48d6215903dfff56238e52e8891380c8f', 'liz@hr.com', NULL),
46 ('tsering', '32c45032afa2cf140ceb1d25b6e0de71', 'paljor@gmail.com', NULL),
47 ('simon', '9f27410725ab8cc8854a2769c7a516b8', 'simon@hr.com', NULL);
48
49 --
50 -- Indexes for dumped tables
51 --
52
```

```

52
53 --
54 -- Indexes for table `credentials`
55 --
56 ALTER TABLE `credentials`
57   ADD PRIMARY KEY (`email`);
58
59 /*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
60 /*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
61 /*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
62

```

2.4 Script: Authenticates the user and redirects to <http://www.w3.org/XML/> upon successful authentication.

```

1  <?php
2  if(isset($_POST["submit"]))
3  {
4      $conn = mysql_connect("localhost:3306","root",""); // Connecting to server
5
6      if(!$conn) // Checking connection state
7      {
8          echo "Connection failed-Database"; // Indicating failed connection
9          exit;
10     }
11
12     if(!mysql_select_db("users")) // Selecting to database
13     {
14         echo "Selection failed-Database"; // Indicating failed selection
15         exit;
16     }
17
18     $sql = "SELECT username,password from credentials"; // SQL Query
19
20     $result = mysql_query($sql,$conn); // Passing Query to database
21
22     while($row = mysql_fetch_assoc($result)) // Getting data from database
23     {
24         // Verifying username and password
25         if($row["username"]==$_POST["strUsername"] and $row["password"]==md5($_POST["strPassword"]))
26         {
27             header("location: http://www.w3.org/XML/"); // Redirect upon successful authentication
28         }
29     }
30     echo "<h1>Incorrect Username or Password</h1>"; // Display incorrect login details
31 }
32 ?>

```


2.4.1 Testing

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User Login:
Username: john
Password:

Registration: [New users click here to register](#)



[about XML](#) [XML Activity Statement](#)

Extensible Markup Language (XML)

- [1. Introduction](#)
- [2. Working Groups](#)
- [3. Events](#)
- [4. Other Resources](#)
- [5. Contact](#)

Nearby [XML Specifications](#) and [Translations](#) of them.

Upcoming:

[XML London Conference](#)

[Balsage Markup Conference](#)

Introduction

Extensible Markup Language (XML) is a simple, very flexible text format derived from SGML (ISO 8879). Originally designed to meet the challenges of large-scale electronic publishing, XML is also playing an increasingly important role in the exchange of a wide variety of data on the Web and elsewhere.

This page describes the work being done at W3C within the XML Activity, and how it is structured. Work at W3C takes place in *Working Groups*. The Working Groups within the XML Activity are listed below, together with links to their individual web pages.

You can find and download formal technical specifications here, because we publish them. This is **not** a place to find tutorials, products, courses, books or other XML-related information. There are some links below that may help you find such resources.

You will find links to W3C Recommendations, Proposed Recommendations, Working Drafts, conformance test suites and other documents on the pages for each Working Group. Each document also contains email addresses you can use to send comments or questions, for example if you have been writing software to implement them and have found problems or errors.

Please do **not** send us email asking us to help you learn a language or specification; there are plenty of resources online, and the people editing and developing the specifications are very busy. We **are** interested in technical comments and errata.

If your organization would like to join the W3C, or if you would like to participate formally in a working group (and have the necessary resources to attend meetings), you can read more [about the Consortium](#).

Working Groups

2.5 Registration

Registration Page:

CV Upload

Username:

Password:

Upload CV: No file chosen

HTML Code:

```
upload.php x download.html x download.php x Assignment-3-Q4-Download.php x
1 <!DOCTYPE html>
2 <head><title>CV</title>
3 </head>
4 <body>
5 <fieldset>
6 <legend>CV Download</legend>
7 <form action = "download.php" method = "post">
8 <table>
9 <tr>
10 <td>Username:</td>
11 <td><input type="text" name = "strUsername"/></td>
12 </tr>
13 <tr>
14 <td>Password:</td>
15 <td><input type="password" name="strPassword"/></td>
16 </tr>
17 <tr>
18 <td></td>
19 <td><input type="submit" name="submit" value="Download"/></td>
20 </tr>
21 </table>
22 </form>
23 </fieldset>
24
25 </body>
26
```

PHP Code:

```
1 <?php
2 if(isset($_POST["submit"]))
3 {
4     $username = mysql_real_escape_string($_POST["strUsername"]); // Username
5     $password = mysql_real_escape_string(MD5($_POST["strPassword"])); // Password
6
7     $conn = mysql_connect("localhost:3306","root",""); // Connecting to database
8
9     if(!$conn) // Checking connection status
10     {
11         echo "Connection failed-Database".mysql_error(); // Report error if connection failed
12         exit;
13     }
14
15     if(!mysql_select_db("users")) // Selecting database
16     {
17         echo "Selection failed-Database".mysql_error(); // Report error if selection failed
18         exit;
19     }
20
21     // MYSQL Query
22     $query = mysql_query("SELECT cv FROM credentials WHERE username='$username' AND password='$password'");
23
24     while($row = mysql_fetch_assoc($query))
25     {
26         $content = $row["cv"]; // Retriving data from database
27     }
28
29     header("Content-type: application/pdf"); // Data type = pdf
30     header("Content-Disposition: attachment; filename='CV.pdf'"); // Download
31
32     print $content;
33 }
34 ?>
```

3. Upload script

HTML Code:

```
1 <!DOCTYPE html>
2 <head><title>CV</title>
3 </head>
4 <body>
5     <fieldset>
6         <legend>CV Upload</legend>
7         <form action = '<?php echo $_SERVER["PHP_SELF"];?>' method = "post" enctype = "multipart/form-data">
8             <table>
9                 <tr>
10                     <td>Username:</td>
11                     <td><input type="text" name = "strUsername"/></td>
12                 </tr>
13                 <tr>
14                     <td>Password:</td>
15                     <td><input type="password" name="strPassword"/></td>
16                 </tr>
17                 <tr>
18                     <td>Upload CV:</td>
19                     <td><input type="file" name="userfile"/></td>
20                 </tr>
21                 <tr>
22                     <td></td>
23                     <td><input type="submit" name="submit" value="Upload"/></td>
24                 </tr>
25             </table>
26         </form>
27     </fieldset>
```


PHP Code:

```
27 <?php
28 if(isset($_POST["submit"])) // Submit button status
29 {
30     $username = $_POST["strUsername"]; // Username
31     $password = $_POST["strPassword"]; // Password
32
33     $conn = mysql_connect("localhost:3306","root",""); // Connecting to database
34
35     if(!$conn) // Checking connection
36     {
37         echo "Connection failed-Database".mysql_error(); // Report error if connection failed
38         exit;
39     }
40
41     if(!mysql_select_db("users")) // Selecting database
42     {
43         echo "Selection failed-Database".mysql_error(); // Report error if selection failed
44         exit;
45     }
46     $sql = "SELECT username,password from credentials"; // Mysql query
47     $result = mysql_query($sql,$conn); // Executing query
48
49     while($row = mysql_fetch_assoc($result)) // Retrieving data
50     {
51         // Authenticating login details
52         if($row["username"]==$_POST["strUsername"] and $row["password"]==md5($_POST["strPassword"]))
53         {
54             if($_FILES['userfile']['size']>0) // Checking fileSize
55             {
56                 $fileName = $_FILES['userfile']['name']; // File name
57                 $tmpName = $_FILES['userfile']['tmp_name']; // File temporary location
58                 $fileSize = $_FILES['userfile']['size']; // File size
59                 $fileType = $_FILES['userfile']['type']; // File type
60
61                 $fp = fopen($tmpName, 'r'); // Opening file in read mode
62                 $content = fread($fp, filesize($tmpName)); // Copy file content to $content
63                 $content = addslashes($content);
64                 fclose($fp); // File close
65
66                 if(!get_magic_quotes_gpc())
67                 {
68                     $fileName = addslashes($fileName);
69                 }
70                 // Uploading File to database
71                 $query = "UPDATE credentials SET cv = '$content' WHERE username = '$username' ";
72                 $var = mysql_query($query);
73                 // Checking upload status
74                 if($var)
75                 {
76                     echo "Upload successful".mysql_error();
77                 }
78                 else
79                 {
80                     echo "Upload Failed".mysql_error();
81                     exit;
82                 }
83             }
84         }
85     }
86 }
```

```
83     }
84 }
85 }
86 mysql_close($conn);
87 }
88 ?>
89 </body>
90
```

Upload html output:

CV Upload

Username:

Password:

Upload CV:

Choose File

No file chosen

Upload

4. Retrieving data from database

HTML Code:

```
upload.php x download.html x download.php x Assignment-3-Q4-Download.php x
1 <!DOCTYPE html>
2 <head><title>CV</title>
3 </head>
4 <body>
5 <fieldset>
6 <legend>CV Download</legend>
7 <form action = "download.php" method = "post">
8 <table>
9 <tr>
10 <td>Username:</td>
11 <td><input type="text" name = "strUsername"/></td>
12 </tr>
13 <tr>
14 <td>Password:</td>
15 <td><input type="password" name="strPassword"/></td>
16 </tr>
17 <tr>
18 <td></td>
19 <td><input type="submit" name="submit" value="Download"/></td>
20 </tr>
21 </table>
22 </form>
23 </fieldset>
24
25 </body>
26
```

PHP Code:

```
1 <?php
2 if(isset($_POST["submit"]))
3 {
4     $username = mysql_real_escape_string($_POST["strUsername"]); // Username
5     $password = mysql_real_escape_string(MD5($_POST["strPassword"])); // Password
6
7     $conn = mysql_connect("localhost:3306","root",""); // Connecting to database
8
9     if(!$conn) // Checking connection status
10     {
11         echo "Connection failed-Database".mysql_error(); // Report error if connection failed
12         exit;
13     }
14
15     if(!mysql_select_db("users")) // Selecting database
16     {
17         echo "Selection failed-Database".mysql_error(); // Report error if selection failed
18         exit;
19     }
20
21     // MYSQL Query
22     $query = mysql_query("SELECT cv FROM credentials WHERE username='$username' AND password='$password'");
23
24     while($row = mysql_fetch_assoc($query))
25     {
26         $content = $row["cv"]; // Retriving data from database
27     }
28
29     header("Content-type: application/pdf"); // Data type = pdf
30     header("Content-Disposition: attachment; filename='CV.pdf'"); // Download
31
32     print $content;
33 }
34 >>
```

Output:

CV Download

Username:

Password:

Download

CV (2).pdf

Show all downloads...

5. Authenticate Class

HTML code:

```
authenticate.html x authenticate.php x
1 <!DOCTYPE html>
2 <html>
3 <head><title> Authenticate </title>
4 </head>
5 <body>
6 <fieldset>
7 <legend>Authenticate</legend>
8 <form action="authenticate.php" method="POST">
9 <table>
10 <tr>
11 <td> Username:</td>
12 <td><input type="text" name="username"/></td>
13 </tr>
14 <tr>
15 <td>Password: </td>
16 <td><input type="password" name="password"/></td>
17 </tr>
18 <tr>
19 <td></td>
20 <td><input type="submit" name="submit" value="Authenticate"></td>
21 </tr>
22 </table>
23 </form>
24 </fieldset>
25 </body>
26 </html>
```

PHP Code:

```
1 <?php
2 class Authenticate // Declaring class
3 {
4     function testReg($username, $password) // Method with 2 parameters username and password
5     {
6         $conn = mysql_connect("localhost:3306","root",""); // Connecting to database
7
8         if(!$conn)
9         {
10             echo "Connection failed!".mysql_error(); // Report error if connection failed
11             exit;
12         }
13         if(!mysql_select_db("users")) // Selecting database
14         {
15             echo "Selection failed-Database".mysql_error(); // Report error if selection failed
16             exit;
17         }
18
19         $query = "SELECT `username`,`password` From credentials"; // SQL Query
20
21         $result = mysql_query($query,$conn); // Executing sql query
22
23         $counter = 0;
24
25         while($row = mysql_fetch_assoc($result))
26         {
27             // Checking user id and password
28             if($row['username'] == $username and $row['password'] == MD5($password))
29             {
30                 echo "Pre-Registered User!"; // If Login details already exists
31                 $counter = 1;
32             }
33
34             // If user is new
35             if(!$counter)
36             {
37                 header("location: register.html"); // New user redirected to registration page.
38             }
39         }
40     }
41
42     $username = $_POST["username"];
43     $password = $_POST["password"];
44
45     $authenticate = new Authenticate; // Class objects
46     $authenticate->testReg($username,$password); // Invoking method
47 }
?>
```

Output:

Authenticate

Username:

Password:

Pre-Registered User!

New User:

Authenticate

Username:

Password:

Registration

Username:

Password:

Email:

CV: No file chosen