



INTRO TO PHP & MYSQL

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PART 4: ADVANCED PHP

Intro to PHP & MySQL



INCLUDES: DON'T REPEAT YOURSELF

- Refactor your page templates
- Move page <head>, navigation, to includes/header.inc.php
- Move footer to includes/footer.inc.php

```
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9
10 <!doctype html>
11 <html>
12     <head>
13         <meta http-equiv="Content-Type" content="text/html" charset="UTF-8">
14         <link href="assets/style.css" type="text/css">
15         <title><?php echo $title?></title>
16     </head>
17
18
19
20
21
22
23
24
25
26
27
28
29
```


INCLUDES

- Use include like we've done with db.inc.php for the header and footer

```
4
5
6
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8
9
10
11
12
13 $title="Class 2 Show Product";
14 $product_show=true;
15 include 'include/header.inc.php';
16
17
18
19
20
21
22
23
24
25
26
27
28
```

INCLUDES: HEADER

- Declare variables on your page template, use later in includes/header.inc.php to highlight active navigation link

```
9
10 <?php
11 if ($product_insert == true){
12     $insert_product_class = "navcurr";
13 } else {
14     $insert_product_class = "nav";
15 }
16
17 if ($product_show == true){
18     $show_product_class = "navcurr";
19 } else {
20     $show_product_class = "nav";
21 }
22
23 if ($company_insert == true){
24     $insert_company_class = "navcurr";
25 } else {
26     $insert_company_class = "nav";
27 }
28
29 if ($company_show == true){
30     $show_company_class = "navcurr";
31 } else {
32     $show_company_class = "nav";
33 }
34
35 if ($search == true){
36     $search_class = "navcurr";
37 } else {
38     $search_class = "nav";
39 }
40 ?>
41
```

USER AUTHENTICATION

- Control who can see, edit, and insert information
- Create new table in our MySQL db:
 - named **admin**
 - fields: **user_id**,
username, **password**



USER REGISTRATION

- Create_account.php has an HTML form we'll use to allow users to input a username and a password
- New input type: "password" displays masked data instead of plain text
- Form is using "post" instead of "get" - why?

```
10
11
12
13
14
15
16
17
18
19 <form action="create_account_result.p
20     Username:<input type="text" name=
21     Password:<input type="password" n
22     <input type="submit" value="Creat
23 </form>
24
25
26
27
28
29
30
31
```

USER REGISTRATION

- Create_account.php posts to create_account_result.php
- Use PHP function md5() to “hash” the password - don’t store passwords in your database in plain text!

```
9
10
11
12
13
14
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16
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18
19 $password = mysqli_real_escape_string($link, $_
20
21 $username = mysqli_real_escape_string($link, $_
22
23 $password = md5($password, FALSE);
24
25
26
27
28
29
30
31
32
33
34
35
36
```


USER LOGIN

- Login_form.php has an HTML form that also uses “post”
- Same form as create_account.php - points to login.php instead, though

```
12
13
14
15
16
17
18
19 <form action="login.php" method="post">
20     Username:<input type="text" name="username"
21     Password:<input type="password" name="password"
22     <input type="submit" value="Login"/>
23 </form>
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
```

USER LOGIN

- Login.php compares the md5() hash of the entered password against what you stored in the database for that particular user
- If there's a match, start a session and store some session variables

```
7
8
9
10
11
12
13 $username = mysqli_real_escape_string($link, $_POST['
14 $password = mysqli_real_escape_string($link, $_POST['
15 $password = md5($password, FALSE);
16
17 $sql = "SELECT user_id FROM admin WHERE
18 username='$username' AND password='$password'";
19
20 $result = mysqli_query($link, $sql);
21 $recording = mysqli_fetch_array($result);
22 $user_id=htmlspecialchars($recording['user_id'], ENT_
23
24 if ($user_id > 0){
25     session_start();
26     $_SESSION['loggedIn'] = TRUE;
27     $_SESSION['username'] = $username;
28     $_SESSION['password'] = $password;
29     header('Location:product_show.php');
30 }
31
32
33
34
35
36
37
```

USER LOGIN

- Protect pages: if a certain session variable isn't present, `exit()` or redirect to a safer page

```
28
29
30
31
32
33
34
35
36 session_start();
37 if (!$_SESSION['loggedIn']){
38     header('Location:product_show.php');
39 }
40
41
42
43
44
45
46
47
48
49
50
```