

Forms and PHP

Forms Submit Data

```
<p>Guessing game...</p>
```

FORM 1

```
<form>
```

```
<p><label for="guess">Input Guess</label>
```

```
<input type="text" name="guess" id="guess" /></p>
```

```
<input type="submit" />
```

```
</form>
```

localhost/WebD/form/form1.php	localhost/WebD/form/form1.php	localhost/WebD/form/form1.php?guess=14
Most Visited Getting Started	Most Visited Getting Started	Most Visited Getting Started
Guessing game...	Guessing game...	Guessing game...
Input Guess <input type="text"/>	Input Guess <input type="text" value="14"/>	Input Guess <input type="text"/>
<input type="submit" value="Submit Query"/>	<input type="submit" value="Submit Query"/>	<input type="submit" value="Submit Query"/>

\$ GET and \$ POST

- PHP loads the values for the URL parameters into an array called `$_GET` and the POST parameters into an array called `$_POST`
- There is another array called `$_REQUEST` which merges GET and POST data

```
<p>Guessing game...</p>
```

```
<form>
```

```
<p><label for="guess">Input Guess</label>
```

```
<input type="text" name="guess" id="guess"/></p>
```

```
<input type="submit" />
```

```
</form>
```

```
<pre>
```

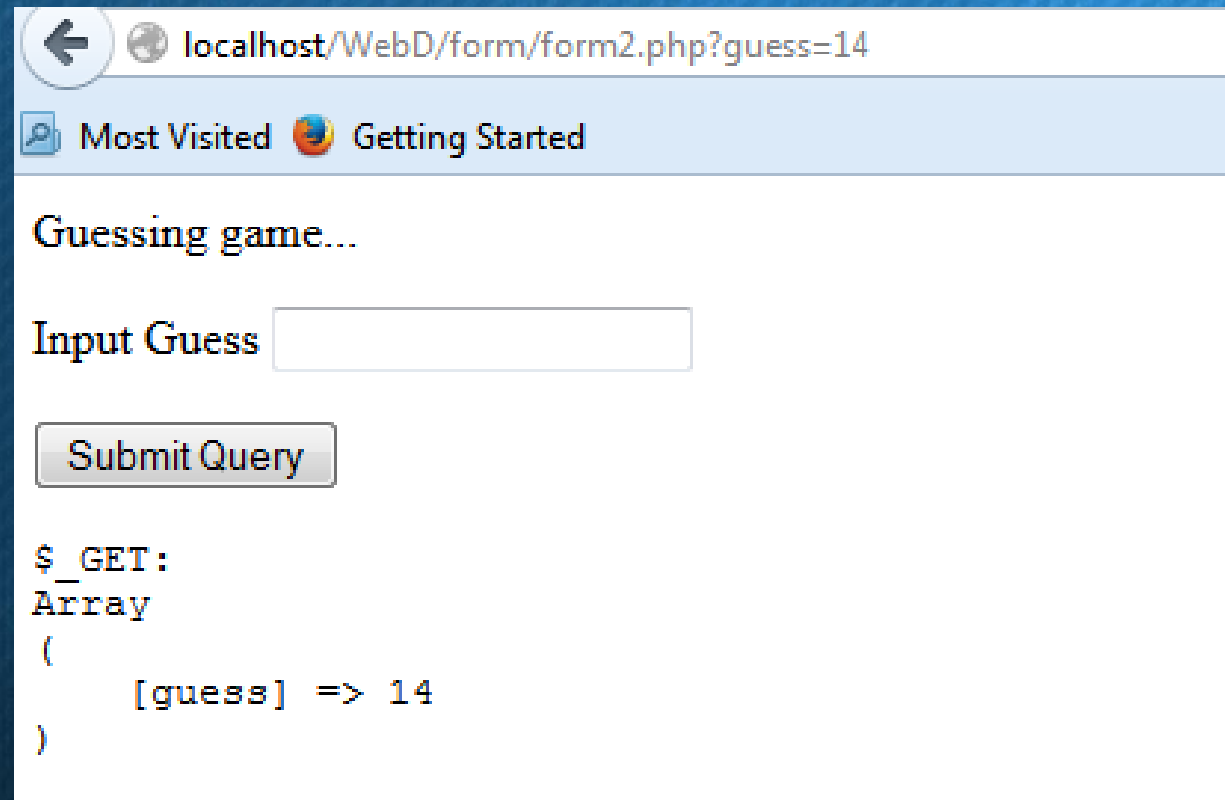
```
$_GET:
```

```
<?php
```

```
print_r($_GET);
```

```
?>
```

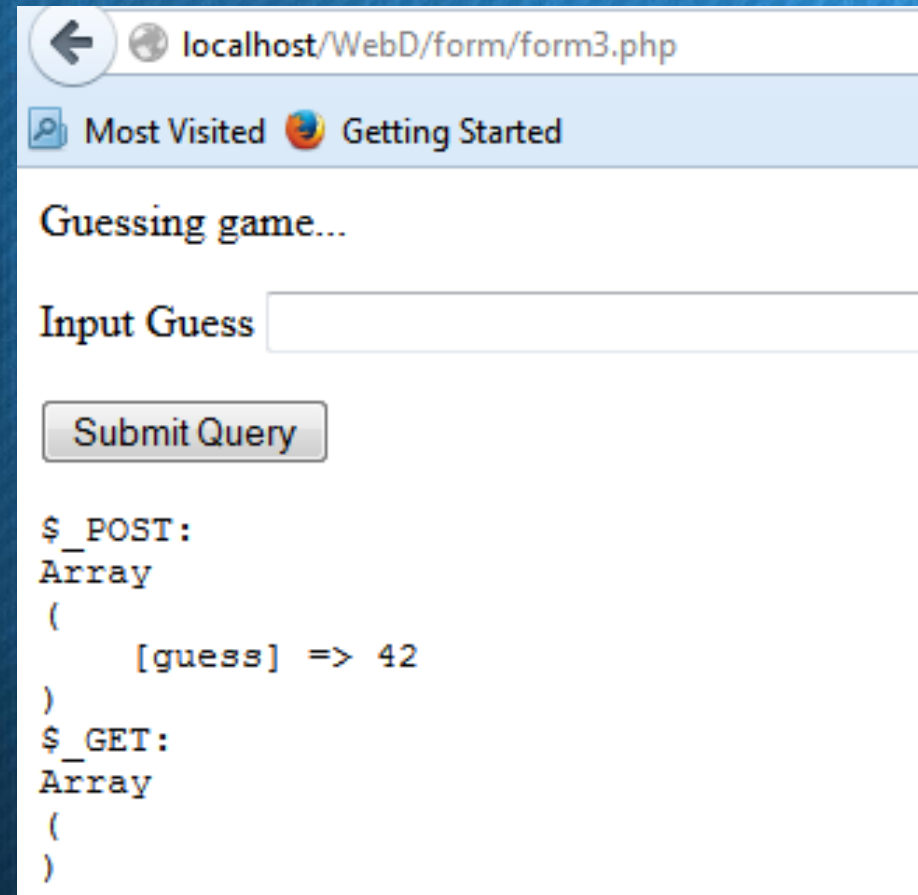
```
</pre>
```



The screenshot shows a web browser window with the address bar displaying `localhost/WebD/form/form2.php?guess=14`. The browser's tab bar shows "Most Visited" and "Getting Started". The main content area displays the text "Guessing game..." followed by a form. The form consists of a label "Input Guess" next to a text input field, and a "Submit Query" button below it. Below the form, the browser displays the output of the PHP script, which is a preformatted print_r of the \$_GET array, showing `[guess] => 14`.

FORM3

```
<p>Guessing game...</p>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" size="40" id="guess"/></p>
<input type="submit" />
</form>
<pre>
$_POST:
<?php
print_r($_POST);
?>
$_GET:
<?php
print_r($_GET);
?>
</pre>
```

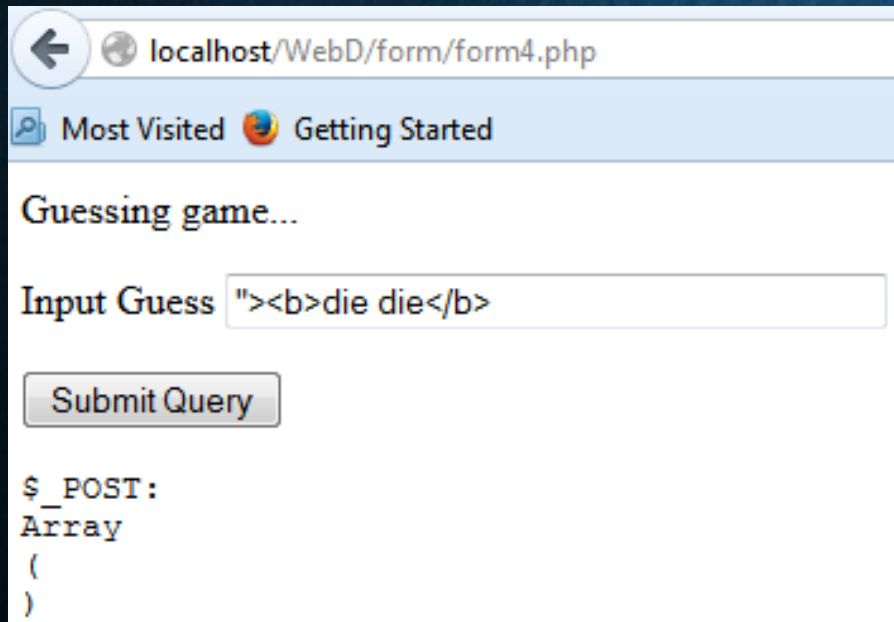


```
<?php
$oldguess = isset($_POST['guess']) ?
$_POST['guess'] : '';
?>

<p>Guessing game...</p>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess" size="40"
<?php
echo 'value="' . $oldguess . '"';
?>
/></p>
<input type="submit"/>
</form>
```


Hygiene Alert!

- What happens when we use an HTML character in a form field value??



localhost/WebD/form/form4.php

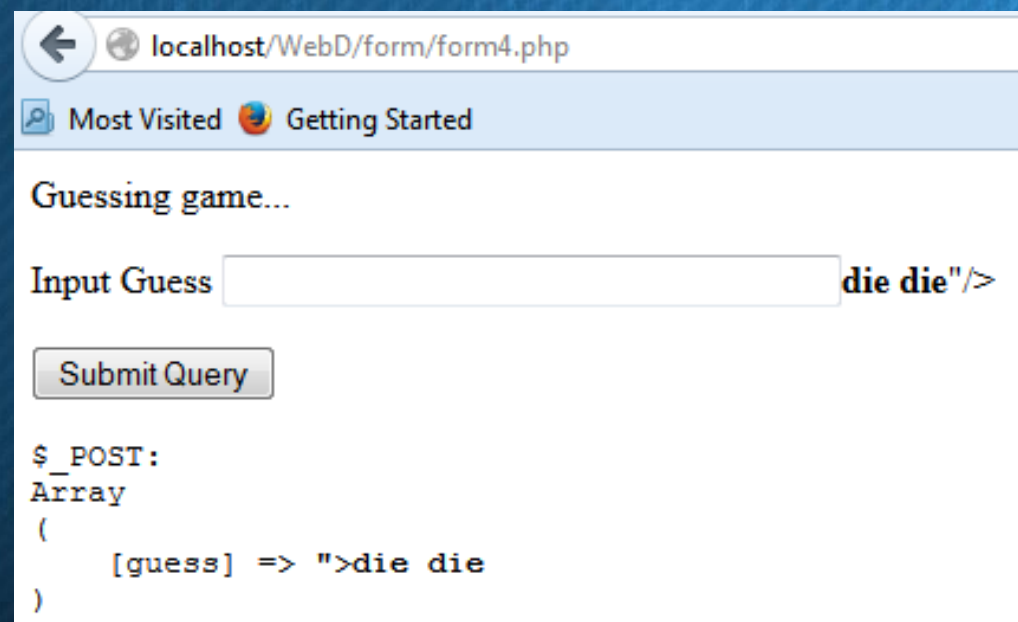
Most Visited Getting Started

Guessing game...

Input Guess ">die die"

Submit Query

```
$_POST:
Array
(
)
```



localhost/WebD/form/form4.php

Most Visited Getting Started

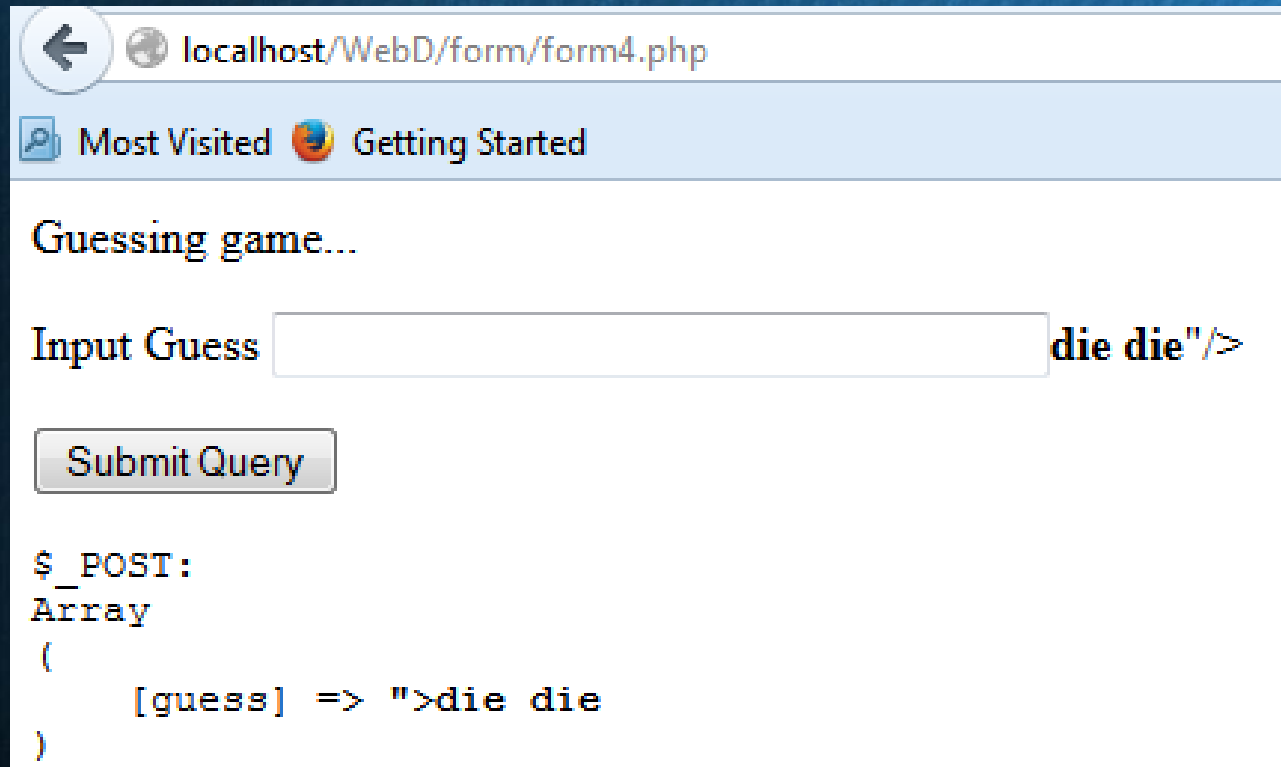
Guessing game...

Input Guess die die"/>

Submit Query

```
$_POST:
Array
(
    [guess] => ">die die"
)
```

```
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess"
value=""><b>DIE DIE</b> " /></p>
<input type="submit" />
</form>
```



The screenshot shows a web browser window with the address bar displaying 'localhost/WebD/form/form4.php'. Below the address bar, there are tabs for 'Most Visited' and 'Getting Started'. The main content area displays the text 'Guessing game...'. Below this, there is a form with the label 'Input Guess' and a text input field containing the value 'die die'. To the right of the input field, the text 'die die"/>' is visible. Below the input field, there is a button labeled 'Submit Query'. At the bottom of the page, the output of the form is displayed as a PHP array: '\$_POST: Array ([guess] => ">die die)'.

← localhost/WebD/form/form4.php

Most Visited Getting Started

Guessing game...

Input Guess die die"/>

Submit Query

\$_POST:
Array
(
 [guess] => ">die die
)

To The Rescue: htmlentities()

```
<form method="post">
```

FORM5

```
<p><label for="guess">Input Guess</label>
```

```
<input type="text" name="guess" id="guess" size="40"
```

```
<?php
```

```
echo 'value="'.htmlentities($oldguess)."'';
```

```
?>
```

```
/></p>
```

```
<input type="submit"/>
```

```
</form>
```

FORM4

```
<form method="post">
```

```
<p><label for="guess">Input Guess</label>
```

```
<input type="text" name="guess" id="guess" size="40"
```

```
<?php
```

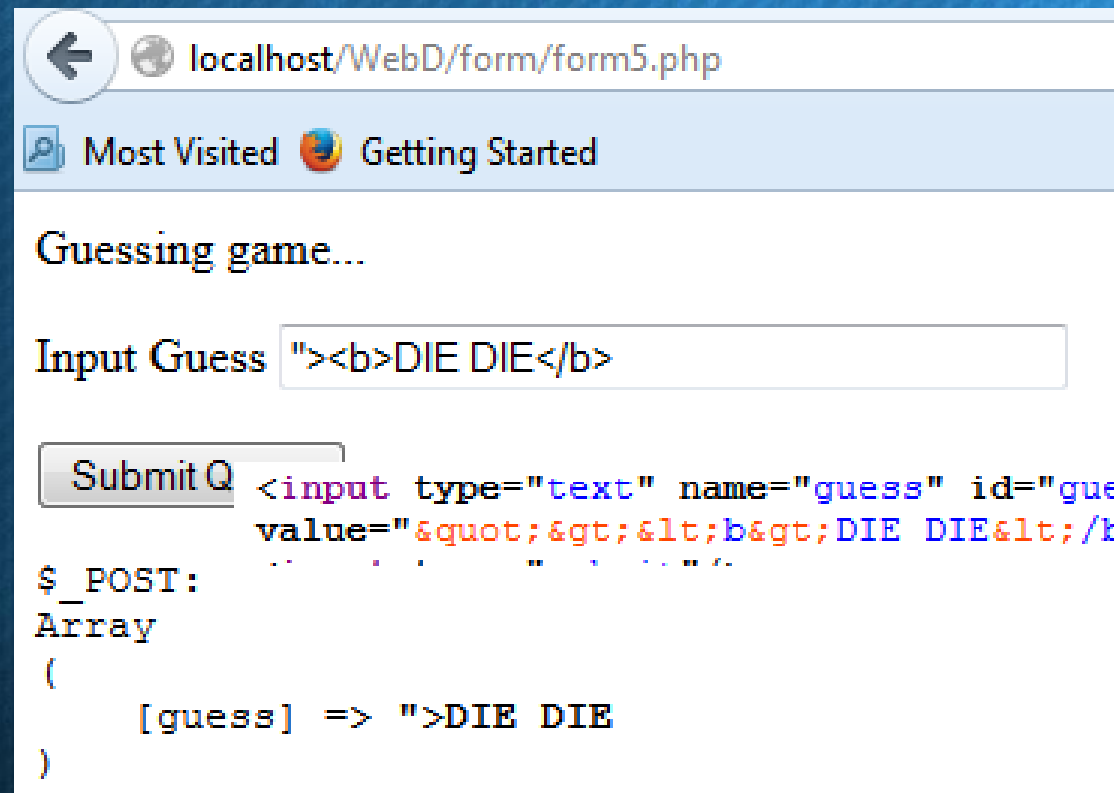
```
echo 'value="'.htmlentities($oldguess)."'";
```

```
?>
```

```
/></p>
```

```
<input type="submit" />
```

```
</form>
```



The \$ POST Variable

- There are many patterns for handling POST data
- No "rules" just "suggestions"

```
<?php
$guess = '';
$message = false;
if ( isset($_POST['guess']) ) {
    // Trick for integer / numeric parameters
    $guess = $_POST['guess'] + 0;
    if ( $guess == 42 ) {
        $message = "Great job!";
    } else if ( $guess < 42 ) {
        $message = "Too low";
    } else {
        $message = "Too high...";
    }
}
?>

<html>
<head>
<title>A Guessing game</title>
</head>
<body style="font-family: sans-serif;">
<p>Guessing game...</p>
<?php
if ( $message !== false ) {
    echo("<p>$message</p>\n");
}
?>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess" size="40"
<?php
echo 'value="' . htmlentities($guess) . '"';
?>
/></p>
<input type="submit"/>
</form>
</body>
```

Completely
process incoming
POST data (if any) -
produce no output.

Produce the page
output.


```
<?php
$guess = '';
$message = false;
if ( isset($_POST['guess']) ) {
// Trick for integer / numeric parameters
$guess = $_POST['guess'] + 0;
if ( $guess == 42 ) {
$message = "Great job!";
} else if ( $guess < 42 ) {
$message = "Too low";
} else {
$message = "Too high...";
}
}
?>
```

```
<html>
<head>
<title>A Guessing game</title>
</head>
<body style="font-family: sans-serif;">
<p>Guessing game...</p>
<?php
if ( $message !== false ) {
echo("<p>$message</p>\n");
}
?>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess"
size="40"
<?php
echo 'value="' . htmlentities($guess) . ' '
?>
/></p>
<input type="submit"/>
</form>
</body>
```

guess.php


```
<?php
$guess = '';
$message = false;
if ( isset($_POST['guess']) ) {
    // Trick for integer / numeric parameters
    $guess = $_POST['guess'] + 0;
    if ( $guess == 42 ) {
        $message = "Great job!";
    } else if ( $guess < 42 ) {
        $message = "Too low";
    } else {
        $message = "Too high...";
    }
}
?>

<html>
<head>
<title>A Guessing game</title>
</head>
<body style="font-family: sans-serif;">
<p>Guessing game...</p>
<?php
if ( $message !== false ) {
    echo("<p>$message</p>\n");
}
?>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess" size="40"
<?php
echo 'value="' . htmlentities($guess) . '"';
?>
/></p>
<input type="submit"/>
</form>
</body>
```

```
<?php
$guess = '';
$message = false;
if ( isset($_POST['guess']) ) {
    // Trick for integer / numeric
    parameters
    $guess = $_POST['guess'] + 0;
    if ( $guess == 42 ) {
        $message = "Great job!";
    } else if ( $guess < 42 ) {
        $message = "Too low";
    } else {
        $message = "Too high...";
    }
}
?>

<html>

.....
```

```

<?php
$guess = '';
$message = false;
if ( isset($_POST['guess']) ) {
// Trick for integer / numeric parameters
$guess = $_POST['guess'] + 0;
if ( $guess == 42 ) {
$message = "Great job!";
} else if ( $guess < 42 ) {
$message = "Too low";
} else {
$message = "Too high...";
}
}
?>

```

```

<html>
<head>
<title>A Guessing game</title>
</head>
<body style="font-family: sans-serif;">
<p>Guessing game...</p>
<?php
if ( $message !== false ) {
echo("<p>$message</p>\n");
}
?>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess" size="40"
<?php
echo 'value="' . htmlentities($guess) . "'';
?>
/></p>
<input type="submit"/>
</form>
</body>

```

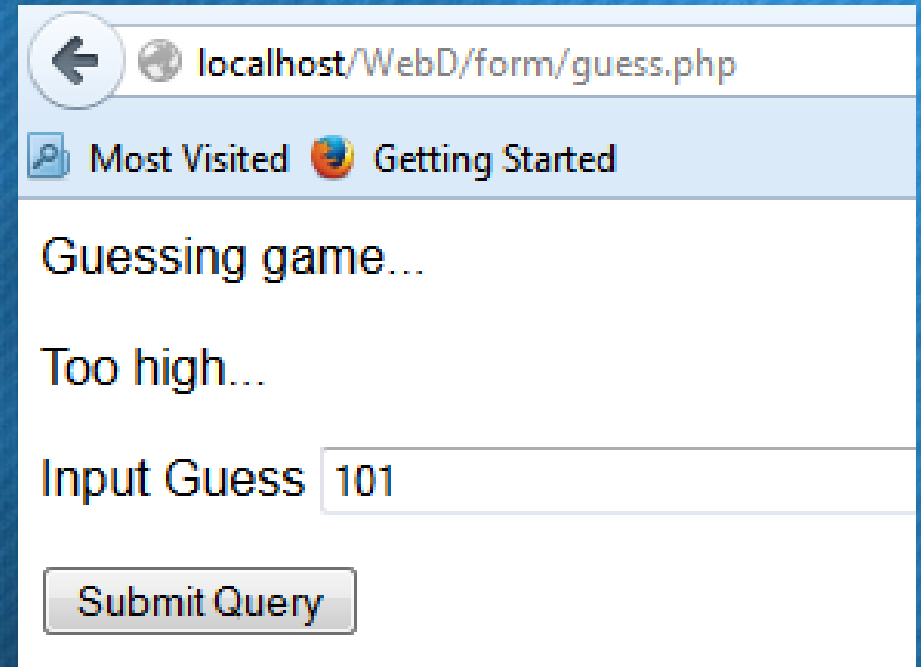
```

...?>
<html>
<head>
<title>A Guessing game</title>
</head>
<body style="font-family: sans-serif;">
<p>Guessing game...</p>
<?php
if ( $message !== false ) {
echo("<p>$message</p>\n");
}
?>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess"
size="40"
<?php
echo 'value="' . htmlentities($guess) .
' "'';
?>
/></p>
<input type="submit"/>
</form>
</body>

```



```
<?php
$guess = '';
$message = false;
if ( isset($_POST['guess']) ) {
// Trick for integer / numeric parameters
$guess = $_POST['guess'] + 0;
if ( $guess == 42 ) {
$message = "Great job!";
} else if ( $guess < 42 ) {
$message = "Too low";
} else {
$message = "Too high...";
}
}
?>
<html>
.....
```



A screenshot of a web browser window. The address bar shows 'localhost/WebD/form/guess.php'. Below the address bar are two tabs: 'Most Visited' and 'Getting Started'. The main content area displays the text 'Guessing game...' followed by 'Too high...'. Below this is a text input field labeled 'Input Guess' containing the number '101'. At the bottom is a button labeled 'Submit Query'.

localhost/WebD/form/guess.php

Most Visited Getting Started

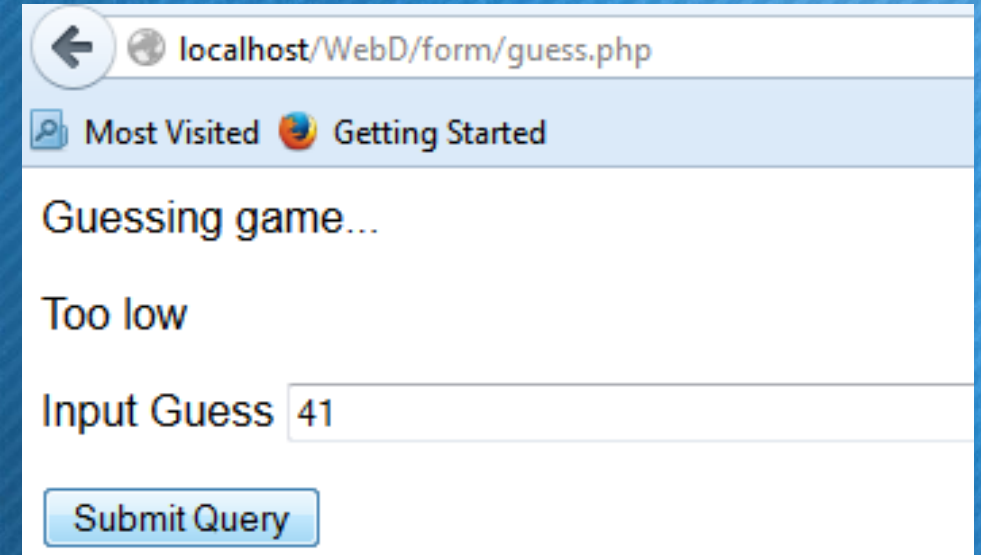
Guessing game...

Too high...

Input Guess 101

Submit Query

```
...?>
<html>
<head>
<title>A Guessing game</title>
</head>
<body style="font-family: sans-serif;">
<p>Guessing game...</p>
<?php
if ( $message !== false ) {
echo ("<p>$message</p>\n");
}
?>
<form method="post">
<p><label for="guess">Input Guess</label>
<input type="text" name="guess" id="guess"
size="40"
<?php
echo 'value="' . htmlentities($guess) .
''';
?>
/></p>
<input type="submit"/>
</form>
</body>
```



The screenshot shows a web browser window with the address bar displaying 'localhost/WebD/form/guess.php'. Below the address bar is a navigation bar with 'Most Visited' and 'Getting Started' links. The main content area displays 'Guessing game...' followed by the message 'Too low'. Below this is a text input field labeled 'Input Guess' containing the number '41'. At the bottom of the form is a blue 'Submit Query' button.

guess.php

Other Input Type

- Text
- Password
- Radio Button
- Check Box
- Select / Drop-Down
- TextArea

Many field types...

Account:

Password:

Nick Name:

Preferred Time:
☐ AM
☒ PM

Classes taken:
☒ CMPU2022 - Web Development2
☐ CMPU2007 - Database1
☐ CMPU2012 - Mathematics

Which drink:

Which snack:

Tell us about yourself:

Which are awesome?

CSS
HTML
PHP

```
<p><label for="inp01">Account:</label>
<input type="text" name="account" id="inp01" size="40" ></p>
<p><label for="inp02">Password:</label>
<input type="password" name="pw" id="inp02" size="40" ></p>
<p><label for="inp03">Nick Name:</label>
<input type="text" name="nick" id="inp03" size="40" ></p>
```

Many field types...

Account:

Password:

Nick Name:

```
$_POST:
Array
(
    [account] => Xiaoling
    [pw] => 12345
    [nick] => Cindy
    [when] => pm
    ...
)
```

moreform.php


```
<p>Preferred Time:<br/>
<input type="radio" name="when" value="am">AM<br>
<input type="radio" name="when" value="pm" checked>PM</p>
```

Preferred Time:

☐ AM

☒ PM

```
$_POST:
Array
(
    ...
    [nick] => Cindy
    [when] => pm
    [class] => CMPU2022

    ...
)
```

moreform.php

```
<p>Classes taken:<br/>
<input type="checkbox" name="class" value="CMPU2022" checked>
CMPU2022 - Web Development2<br>
<input type="checkbox" name="class" value="CMPU2007">
CMPU2007 - Database1<br>
<input type="checkbox" name="class" value="CMPU2012">
CMPU2012 - Mathematics<br></p>
```

Classes taken:

- ☒ CMPU2022 - Web Development2
- ☐ CMPU2007 - Database1
- ☐ CMPU2012 - Mathematics

```
$_POST:
Array
(
    ...
    [when] => pm
    [class] => CMPU2022
    [drink] => 0
```

```
...
)
```

moreform.php


```
<p><label for="inp06">Which drink:  
<select name="drink" id="inp06">  
<option value="0">-- Please Select --</option>  
<option value="1">Coke</option>  
<option value="2">Pepsi</option>  
<option value="3">Mountain Dew</option>  
<option value="4">Orange Juice</option>  
<option value="5">Lemonade</option>  
</select>  
</p>
```

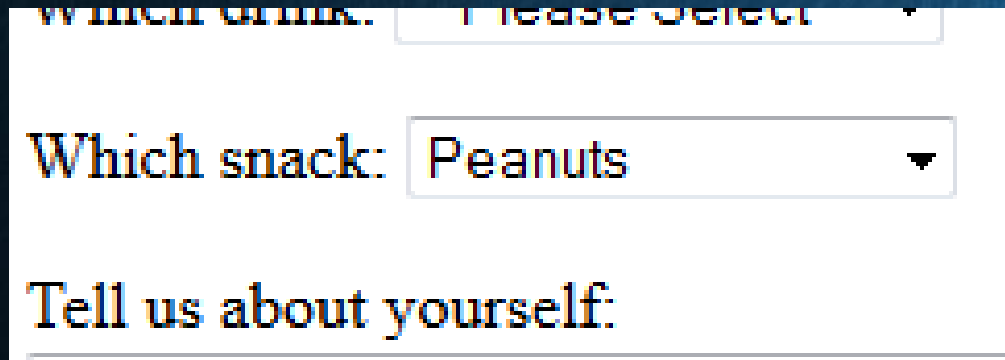
CS110 2012-2013

Which drink: -- Please Select -- ▼

```
$_POST:  
Array  
(  
...  
[class] => CMPU2022  
[drink] => 0  
[snack] => peanuts  
...  
)
```

moreform.php

```
<p><label for="inp07">Which snack:  
<select name="snack" id="inp07">  
<option value="">-- Please Select --</option>  
<option value="crisps">Crisps</option>  
<option value="peanuts" selected>Peanuts</option>  
<option value="cookie">Cookie</option>  
</select></p>
```



The screenshot shows a web form with a label 'Which snack:' followed by a dropdown menu. The dropdown menu has four options: '-- Please Select --', 'Crisps', 'Peanuts', and 'Cookie'. 'Peanuts' is the selected option. Below the dropdown menu is a text input field with the label 'Tell us about yourself:'.

```
$_POST:  
Array  
(  
...  
[drink] => 0  
[snack] => peanuts  
...  
)
```



```
<p><label for="inp08">Tell us about yourself:<br/>
<textarea rows="5" cols="40" id="inp08" name="about">
I love building web sites in PHP and MySQL.
</textarea></p>
```

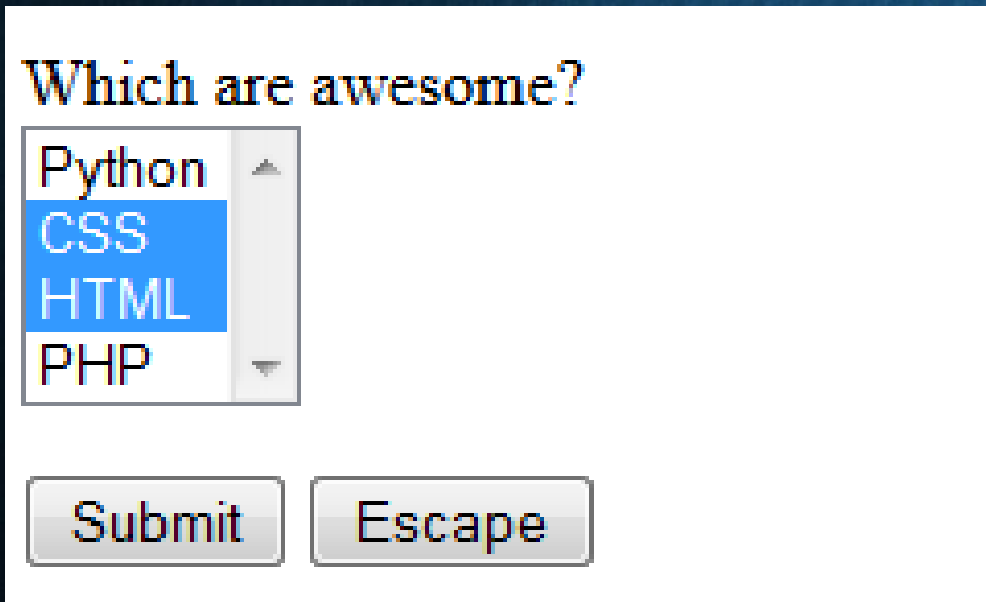
Tell us about yourself:

I love building web sites in PHP and MySQL.

```
$_POST:
Array
(
...
[about] => I love
building web sites in
PHP and MySQL.
...
)
```

moreform.php

```
<p><label for="inp09">Which are awesome?<br/>
<select multiple="multiple" name="code[]" id="inp09">
<option value="python">Python</option>
<option value="css">CSS</option>
<option value="html">HTML</option>
<option value="php">PHP</option>
</select>
```



Which are awesome?

Python
CSS
HTML
PHP

Submit Escape

```
$_POST:
Array
(
...
[code] => Array
        (0) => css
        (1) => html
)
[dopost] => Submit
...
)
```

moreform.php


```
<p>
<input type="submit" name="dopost" value="Submit"/>
<input type="button" onclick="location.href='http://www.php-
intro.com/';
return false;" value="Escape">
</p>
```

Which are awesome?

Python
CSS
HTML
PHP

```
$_POST:
Array
(
...
[dopost] => Submit
...
)
```

moreform.php

HTML5 Input Types

- HTML5 defines new input types
- Not all browsers support all input types
- The fall back to type="text"
- http://www.w3schools.com/html/html5_form_input_types.asp

Summary

- Forms, \$_GET and \$_POST
- Sanitizing HTML
- Form fields
- New form fields in HTML5

CRUD!

CRUD Pattern

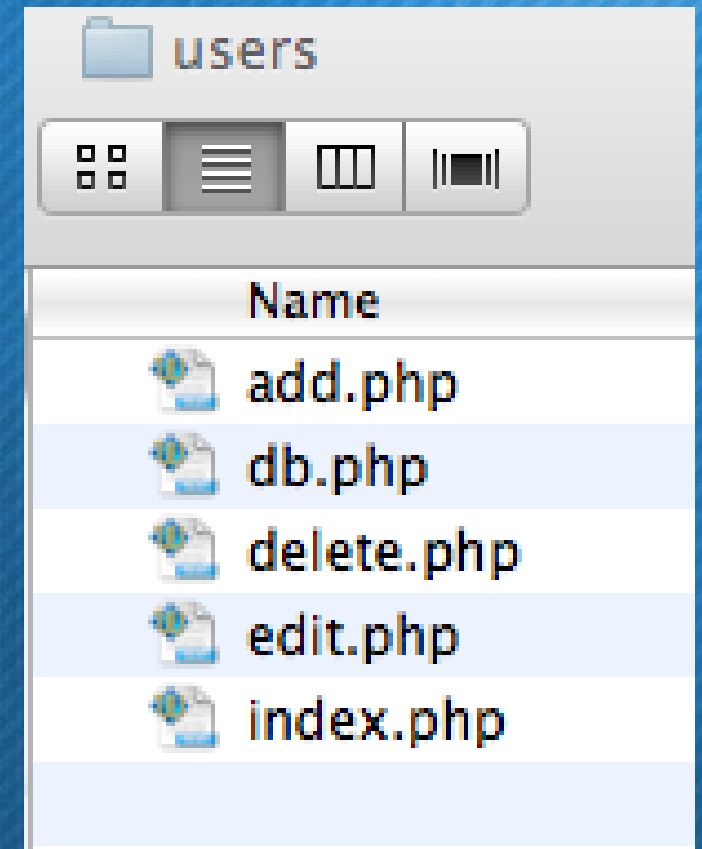
- When we store things in database tables we generally need
 - Create- Insert a new row
 - Read- Read existing row(s)
 - Update- Change some values of a record
 - Delete- Delete a record

Our Program is a little Ugly

- Usually we create several screens
 - Add new row
 - View all rows (paging)
 - View single row
 - Edit single row
 - Delete a row

Five Separate Files

- index.php - Main list and links to other files
- add.php - Add a new entry
- delete.php - Delete an entry
- edit.php - Edit existing
- view.php(if index.php needed a detail view)



index.php

```
1 <?php
2 require_once "database.php";
3 $sql = "SELECT UserID, Username, Password, email FROM user";
4 $result = $conn->query($sql);
5 if ($result->num_rows > 0) {
6     // output data of each row in a table
7     echo "<table border='1'>";
8     while($row = $result->fetch_assoc()) {
9         echo "<tr><td>";
10        echo(htmlentities($row["Username"]));
11        echo("</td><td>");
12        echo(htmlentities($row["Password"]));
13        echo("</td><td>");
14        echo(htmlentities($row["email"]));
15        echo("</td><td>\n");
16        echo('<a href="edit.php?id=' . htmlentities($row["UserID"]) . '">Edit</a> / ');
17        echo('<a href="delete.php?id=' . htmlentities($row["UserID"]) . '">Delete</a>');
18        echo("</td></tr>\n");
19    } }else {
20        echo "0 results";
21    }
22    $conn->close();
23 ?>
24 </table>
25 <a href="add.php">Add New</a>
```


add.php

```
1 <?php
2 require_once "database.php";
3 if ( isset($_POST['name']) && isset($_POST['email'])
4 && isset($_POST['password'])) {
5     $n = $conn -> real_escape_string($_POST['name']);
6     $e = $conn -> real_escape_string($_POST['email']);
7     $p = $conn -> real_escape_string($_POST['password']);
8     $sql = "INSERT INTO user (Username, Password, email)
9     VALUES ('$n', '$p', '$e')";
10    echo "<pre>\n$sql\n</pre>\n";
11    $conn->query($sql);
12    echo 'Success - <a href="index.php">Continue...</a>';
13    return;
14 }
15 ?>
16 <p>Add A New User</p>
17 <form method="post">
18 <p>Name:
19 <input type="text" name="name"></p>
20 <p>Email:
21 <input type="text" name="email"></p>
22 <p>Password:
23 <input type="password" name="password"></p>
24 <p><input type="submit" value="Add New"/>
25 <a href="index.php">Cancel</a></p>
26 </form>
```

localhost/WebD/users/add.php

Add A New User

Name:

Email:

Password:

[Cancel](#)

add.php

```
1 <?php
2 require_once "database.php";
3 if ( isset($_POST['name']) && isset($_POST['email'])
4 && isset($_POST['password'])) {
5     $n = $conn -> real_escape_string($_POST['name']);
6     $e = $conn -> real_escape_string($_POST['email']);
7     $p = $conn -> real_escape_string($_POST['password']);
8     $sql = "INSERT INTO user (Username, Password, email)
9     VALUES ('$n', '$p', '$e')";
10    echo "<pre>\n$sql\n</pre>\n";
11    $conn->query($sql);
12    echo 'Success - <a href="index.php">Continue...</a>';
13    return;
14 }
15 ?>
16 <p>Add A New User</p>
17 <form method="post">
18 <p>Name:
19 <input type="text" name="name"></p>
20 <p>Email:
21 <input type="text" name="email"></p>
22 <p>Password:
23 <input type="password" name="password"></p>
24 <p><input type="submit" value="Add New"/>
25 <a href="index.php">Cancel</a></p>
26 </form>
```

← → ↻ ⓘ localhost/WebD/users/add.php

```
INSERT INTO user (Username, Password, email)
VALUES ('php', 'php', 'php@tudublin.ie')
```

Success - [Continue...](#)

← → ↻ ⓘ localhost/WebD/users/index.php

Cindy	letmein	cindy.liu@tudublin.ie	Edit / Delete
somethingelse	pass	s@s.ie	Edit / Delete
Jade	jade	jade@gmail.com	Edit / Delete
test	test	test@test.ie	Edit / Delete
test	test	test@test.ie	Edit / Delete
dt211	dt211	dt211@tudublin.ie	Edit / Delete
Xiaoling Liu	cindy	cindy.liu@tudublin.ie	Edit / Delete
php	php	php@tudublin.ie	Edit / Delete

[Add New](#)

delete.php

```
1 <?php
2 require_once "database.php";
3 if ( isset($_POST['delete']) && isset($_POST['id']) ) {
4     $id = $conn->real_escape_string($_POST['id']);
5     $sql = "DELETE FROM user WHERE UserID = $id";
6     echo "<pre>\n$sql\n</pre>\n";
7     $conn->query($sql);
8     echo 'Success - <a href="index.php">Continue...</a>';
9     return;
10 }
11 $id = $conn->real_escape_string($_GET['id']);
12 $sql = "SELECT Username,UserID FROM user WHERE UserID='$id'";
13 $result = $conn->query($sql);
14 $row = $result->fetch_assoc();
15 echo "<p>Confirm: Deleting ". $row["Username"] . "</p>\n";
16 echo('<form method="post"><input type="hidden" ');
17 echo('name="id" value="'.htmlentities($row["UserID"]).'">');
18 echo('<input type="submit" value="Delete" name="delete">');
19 echo('<a href="index.php">Cancel</a>');
20 echo("\n</form>\n");
21 ?>
```

localhost/WebD/users/index.php

Cindy	letmein	cindy.liu@tudublin.ie	Edit / Delete
somethingelse	pass	s@s.ie	Edit / Delete
Jade	jade	jade@gmail.com	Edit / Delete
test	test	test@test.ie	Edit / Delete
test	test	test@test.ie	Edit / Delete
dt211	dt211	dt211@tudublin.ie	Edit / Delete
Xiaoling Liu	cindy	cindy.liu@tudublin.ie	Edit / Delete
php	php	php@tudublin.ie	Edit / Delete

[Add New](#)

localhost/WebD/users/delete.php?id=

Confirm: Deleting test

[Cancel](#)

delete.php

```
1 <?php
2 require_once "database.php";
3 if ( isset($_POST['delete']) && isset($_POST['id']) ) {
4     $id = $conn->real_escape_string($_POST['id']);
5     $sql = "DELETE FROM user WHERE UserID = $id";
6     echo "<pre>\n$sql\n</pre>\n";
7     $conn->query($sql);
8     echo 'Success - <a href="index.php">Continue...</a>';
9     return;
10 }
11 $id = $conn->real_escape_string($_GET['id']);
12 $sql = "SELECT Username,UserID FROM user WHERE UserID='$id'";
13 $result = $conn->query($sql);
14 $row = $result->fetch_assoc();
15 echo "<p>Confirm: Deleting ". $row["Username"] . "</p>\n";
16 echo('<form method="post"><input type="hidden" ');
17 echo('name="id" value="'.htmlentities($row["UserID"]).'">');
18 echo('<input type="submit" value="Delete" name="delete">');
19 echo('<a href="index.php">Cancel</a>');
20 echo("\n</form>\n");
21 ?>
```

← → ↻ ⓘ localhost/WebD/users/delete.php?id=5

DELETE FROM user WHERE UserID = 5

Success - [Continue...](#)

← → ↻ ⓘ localhost/WebD/users/index.php

Cindy	letmein	cindy.liu@tudublin.ie	Edit / Delete
somethingelse	pass	s@s.ie	Edit / Delete
Jade	jade	jade@gmail.com	Edit / Delete
test	test	test@test.ie	Edit / Delete
dt211	dt211	dt211@tudublin.ie	Edit / Delete
Xiaoling Liu	cindy	cindy.liu@tudublin.ie	Edit / Delete
php	php	php@tudublin.ie	Edit / Delete

[Add New](#)

edit.php

```
1 <?php
2 require_once "database.php";
3 if ( isset($_POST['name']) && isset($_POST['email'])
4 && isset($_POST['password']) && isset($_POST['id']) ) {
5 $n = $conn -> real_escape_string($_POST['name']);
6 $e = $conn -> real_escape_string($_POST['email']);
7 $p = $conn -> real_escape_string($_POST['password']);
8 $id = $conn -> real_escape_string($_POST['id']);
9 $sql = "UPDATE user SET Username='$n', email='$e',
10 Password='$p' WHERE UserID='$id'";
11 echo "<pre>\n$sql\n</pre>\n";
12 $conn->query($sql);
13 echo 'Updated - <a href="index.php">Continue...</a>';
14 return;
15 }
16 $id = $conn -> real_escape_string($_GET['id']);
17 $sql = "SELECT Username, Password, email, UserID FROM user WHERE UserID='$id'";
18 $result = $conn->query($sql);
19 $row = $result->fetch_assoc();
20 $n = htmlentities($row["Username"]);
21 $e = htmlentities($row["email"]);
22 $p = htmlentities($row["Password"]);
23 $id = htmlentities($row["UserID"]);
```

edit.php

```
18 $result = $conn->query($sql);
19 $row = $result->fetch_assoc();
20 $n = htmlentities($row["Username"]);
21 $e = htmlentities($row["email"]);
22 $p = htmlentities($row["Password"]);
23 $id = htmlentities($row["UserID"]);
24
25 echo <<< _END
26 <p>Edit User</p>
27 <form method="post">
28 <p>Name:
29 <input type="text" name="name" value="$n"></p>
30 <p>Email:
31 <input type="text" name="email" value="$e"></p>
32 <p>Password:
33 <input type="password" name="password" value="$p"></p>
34 <input type="hidden" name="id" value="$id">
35 <p><input type="submit" value="Update"/>
36 <a href="index.php">Cancel</a></p>
37 </form>
38 _END
39 ?>
```


edit.php

← → ↻ ⓘ localhost/WebD/users/index.php

Cindy	letmein	cindy.liu@tudublin.ie	Edit / Delete
somethingelse	pass	s@s.ie	Edit / Delete
Jade	jade	jade@gmail.com	Edit / Delete
test	test	test@test.ie	Edit / Delete
dt211	dt211	dt211@tudublin.ie	Edit / Delete
Xiaoling Liu	cindy	cindy.liu@tudublin.ie	Edit / Delete
php	php	php@tudublin.ie	Edit / Delete

[Add New](#)

← → ↻ ⓘ localhost/WebD/users/edit.php?id=11

UPDATE user SET Username='php', email='php@tudublin.ie', Password='phpphp' WHERE UserID='11'

Updated - [Continue...](#)

← → ↻ ⓘ localhost/WebD/users/edit.php?id=11

Edit User

Name:

Email:

Password:

[Cancel](#)

← → ↻ ⓘ localhost/WebD/users/index.php

Cindy	letmein	cindy.liu@tudublin.ie	Edit / Delete
somethingelse	pass	s@s.ie	Edit / Delete
Jade	jade	jade@gmail.com	Edit / Delete
test	test	test@test.ie	Edit / Delete
dt211	dt211	dt211@tudublin.ie	Edit / Delete
Xiaoling Liu	cindy	cindy.liu@tudublin.ie	Edit / Delete
php	phpphp	php@tudublin.ie	Edit / Delete

[Add New](#)

Summery

- Making database connections
- Sanitizing HTML
- Inserting and Deleting
- Security: Sanitizing SQL
- A multi-file CRUD application