

Intro to PHP

Assumptions

- know a bit about html code

Q:

Where (what folder)
do you put HTML and PHP files?

Q:

Where (what folder)
do you put HTML and PHP files?

Dropbox for 1-3 person development.

Alien Abductions

worldwide site for alien abductions

Report an Abduction

Welcome to the Alien Abduction Research Center of the University of Mary Washington.

First Name

Last Name

Date Abducted

Location (city)

How Scary?

not scary scary

Appearance

☐ bald

☐ almond eyes

☐ blue

☐ long fingers

Report Abduction

About us

A bit of info about Alien Abductions....

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This is easy
But even a simpler example

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Just Submit

Press This Button!

Alien Abductions

worldwide site for alien abductions

Congratulations on that button press!

```
<?php
    include('header.html');
?>

<div id="wrap">
    <div class="pagewrapper">
        <div class="innerpagewrapper">
            <div class="page">
                <div class="content">

                    <!-- CONTENT -->
                    <h3>Just Submit</h3>

                    <form method = "post" action = "submit2.php">
                    <input type="submit" value="Press This Button!" />
                    </form>

                    <!-- END CONTENT -->

                </div>

            <?php
                include('SIDEnFOOTER.html');
            ?>
        </div>
    </div>
</div>
</div>
```

```

include('header.html');
?>
<div id="wrap">
    <div class="pagewrapper">
        <div class="innerpagewrapper">
            <div class="page">
                <div class="content">

                    <!-- CONTENT -->
                    <h3>Just Submit</h3>

                    <form method = "post" action = "submit2.php">
                    <input type="submit" value="Press This Button!" />
                    </form>

                    <!-- END CONTENT -->

                </div>

            <?php
                include('SIDEEnFOOTER.html');
            ?>
        </div>
    </div>
</div>
</body>

```

```
include('header.html');
?>
<div id="wrap">
  <div class="pagewrapper">
    <div class="innerpagewrapper">
      <div class="page">
        <div class="content">

          <!-- CONTENT -->
          <h3>Just Submit</h3>

          <form method = "post" action = "submit2.php">
            <input type="submit" value="Press This Button!" />
          </form>

          <!-- END CONTENT -->

        </div>
      </div>
    </div>
    <?php
      include('SIDEEnFOOTER.html');
    ?>
  </div>
</div>
</div>
</div>
</body>
```

<form

- method = "get": data limited to 256 characters; not secure
- method = "post": unlimited data; more secure

From the HTML specs

- If the processing of a form is idempotent (i.e. it has no lasting observable effect on the state of the world), then the form method should be GET. Many database searches have no visible side-effects and make ideal applications of query forms.
- If the service associated with the processing of a form has side effects (for example, modification of a database or subscription to a service), the method should be POST.

```
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    <div class="innerpagewrapper">
      <div class="page">
        <div class="content">

          <!-- CONTENT -->
          <h3>Just Submit</h3>

          <form method = "post" action = "submit2.php">
            <input type="submit" value="Press This Button!" />
          </form>

          <!-- END CONTENT -->

        </div>
      </div>
    </div>
    <?php
      include('SIDEEnFOOTER.html');
    ?>
  </div>
</div>
</div>
</div>
</body>
```

```
include('header.html');
?>
<div id="wrap">
  <div class="pagewrapper">
    <div class="innerpagewrapper">
      <div class="page">
        <div class="content">

          <!-- CONTENT -->
          <h3>Just Submit</h3>

          <form method = "post" action = "submit2.php">
            <input type="submit" value="Press This Button!" />
          </form>

          <!-- END CONTENT -->

        </div>
      </div>
    </div>
    <?php
      include('SIDEEnFOOTER.html');
    ?>
  </div>
</div>
</div>
</div>
</body>
```

Alien Abductions

worldwide site for alien abductions

Just Submit

Press This Button!

```
<div class="content">
```

```
<!-- CONTENT -->
```

```
<?php  
echo "<h3>Congratulations on that button press!</h3>";  
?>
```

<h3>Congratulations on that button press!</h3>

Alien Abductions

worldwide site for alien abductions

Congratulations on that button press!

PHP runs on the server.

server side

vs.

client side

The recipe:

```
<form method="post" action="something.php">
```

```
  <input type="submit" value="Submit" name="submit" />  
</form>
```

The recipe part 2:

```
<?php
```

```
# PHP code
```

```
?>
```

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Report an Abduction

Welcome to the Alien Abduction Research Center of the University of Mary Washington.

First Name

Last Name

Date Abducted

Location (city)

How Scary?

not scary scary

Appearance

☐ bald

☐ almond eyes

☐ blue

☐ long fingers

Report Abduction

About us

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Search

```
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <title>Aliens Abducted Me - Report an Abduction</title>
  <link rel="stylesheet" type="text/css" href="style.css" />
</head>
<body>
<div id="contents">
  <h1>Aliens Abducted Me - Report an Abduction</h1>

  <p>Share your story of alien abduction:</p>
<form method="post" action="report.php">
  <label for="firstname">First name:</label>
  <input type="text" id="firstname" name="firstname" /><br />
  <label for="lastname">Last name:</label>
  <input type="text" id="lastname" name="lastname" /><br />
  <label for="email">What is your email address?</label>
  <input type="text" id="email" name="email" /><br />
  <label for="city">Where did it happen?</label>
  <input type="text" id="city" name="city" />

  <select name="state">
    <option>AZ</option>
    <option>NM</option>
    <option>TX</option>
  </select> <br />
  <label for="whenithappened">When did it happen?</label>
  <input type="text" id="whenithappened" name="whenithappened" /><br />
  <label for="howlong">How long were you gone?</label>
  <input type="text" id="howlong" name="howlong" /><br />
  <label for="howmany">How many did you see?</label>
  <input type="text" id="howmany" name="howmany" /><br />
  <p><b>Appearance of Aliens</b></p>
  <div id="plain"><input type="checkbox" name="bald" value="checked" />bald</div></input><br />
  <div id="plain"><input type="checkbox" name="blue" />blue</div><br />
  <div id="plain"><input type="checkbox" name="blackeye" />big almond shaped black eyes</div><br />
  <div id="plain"><input type="checkbox" name="longfingers" />long fingers</div><br />
  <p>&nbsp;</p>
  <label for="fangspotted">Have you seen my dog Fang?</label>
  <div id="plain">Yes <input id="fangspotted" name="fangspotted" type="radio" value="yes" />
  No <input id="fangspotted" name="fangspotted" type="radio" value="no" /></div><br />
  <br />
  <label for="other">Anything else you want to add?</label>
  <textarea id="other" name="other"></textarea><br />
  <input type="submit" value="Report Abduction" name="submit" />
</form>
</div>
```

Let's dissect it...

```
<form method="post" action="report2.php">
```

```
...
```

```
  <input type="submit"  
        value="Report Abduction" name="submit" />
```

```
</form>
```

```
<form method="post" action="report2.php">
```

```
...
```

```
<input type="submit"  
      value="Report Abduction" name="submit" />
```

```
</form>
```

When the user presses 'submit' where
does he go? (what page)

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Last Name

Date Abducted

 2011

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```
<input type="text" id="firstname" name="firstname" />
```

name used when form is submitted
(for ex., used by PHP)

unique identifier for this
HTML element
(for ex., used by JavaScript)

create a text input box

```
<table>
<tr>
  <td>First Name</td>
  <td><input type="text" id="firstname" name="firstname" /></td>
</tr>
```

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Welcome to the Alien Abduction Research Center of the University of Mary Washington.

First Name

Last Name

Date Abducted

Location (city)

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Now for the PHP

```
<!-- CONTENT -->
<h3>Report an Abduction</h3>
<p>Thanks for reporting an abduction! </p>
<table>
```

```
<?php
    # put php code here
?>
...
```

PHP basics

- variables start w/ '\$'

```
$name = 'George';
```

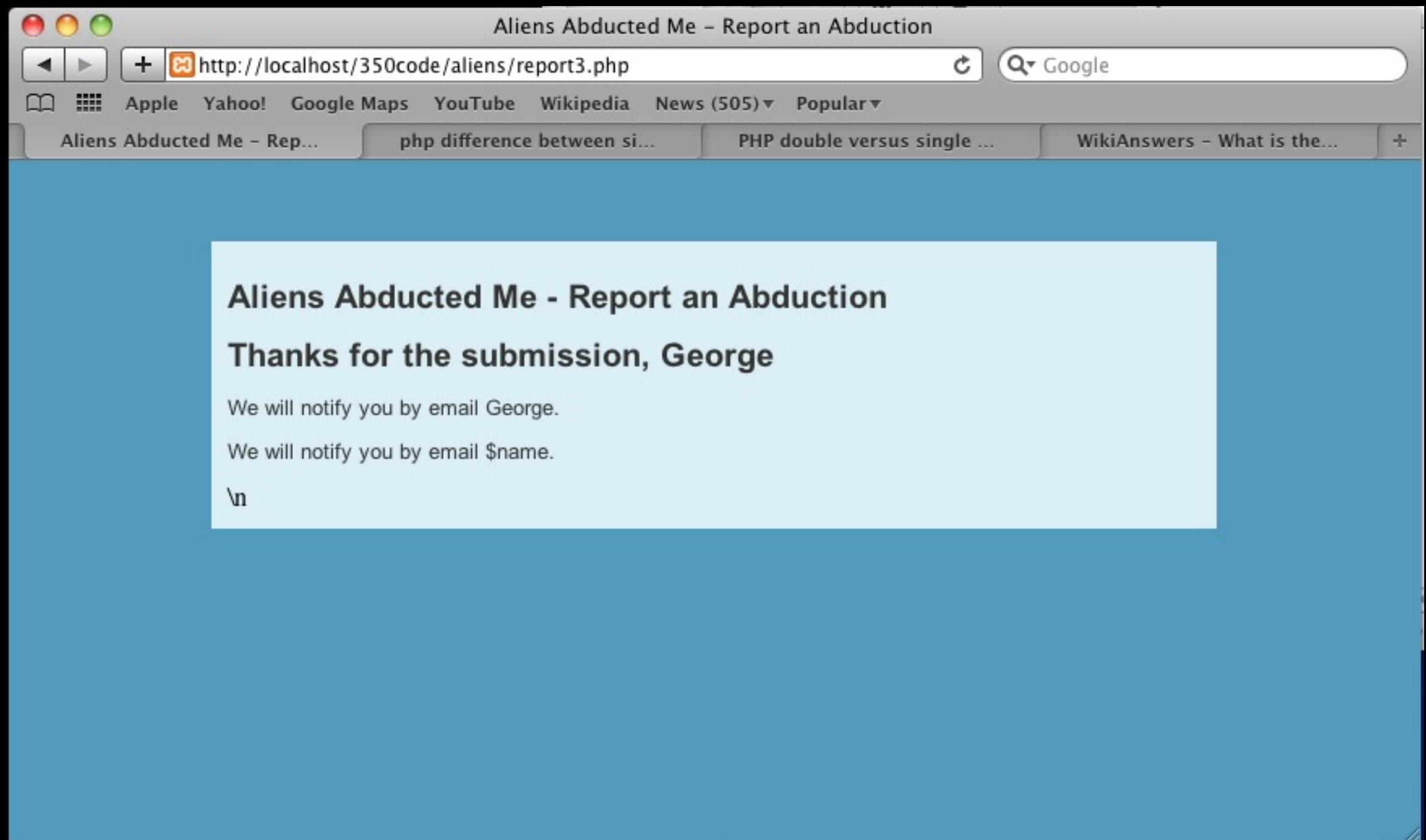
- concatenate strings with .

```
$greeting = 'Howdy, ' . $name;
```

- can have variables inside strings

```
echo "<p> We will notify you by email $name.</p>\n";
```

```
<?php
    $name = 'George';
    $greeting = '<h1>Thanks for the submission,' . $name. "</h1>";
    echo $greeting;
    echo "<p> We will notify you by email $name.</p>\n";
    echo '<p> We will notify you by email $name.</p>\n';
?>
```



Now, getting info from the form:

[Home](#) [Report an Abduction](#) [See List of Abductions](#) [About](#) [Contact](#)

Alien Abductions

worldwide site for alien abductions

Report an Abduction

Welcome to the Alien Abduction Research Center of the University of Mary Washington.

First Name			
Last Name			
Date Abducted	1	1	2011
Location (city)			AL
How Scary?	not scary <input type="range"/> scary		
Appearance			
☐ bald	☐ almond eyes		
☐ blue	☐ long fingers		
Report Abduction			

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HTML

```
<form method="post" action="report3.php">  
  <input type="text" name="firstname" /><br />
```

PHP

```
$_POST['firstname']
```

```
<?php
echo "<tr><td>Name</td><td>".$_POST['firstname']."' ".
    $_POST['lastname']."'</td></tr>\n";
?>
```

demo

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```
<input type="number" name="month" min="1" max="12" step="1" value="1" size="3"/>
```

```
$mo = $_POST['month'];
```

```
<select name="state">  
<option>AL</option>  
<option>AK</option>  
<option>AS</option>  
<option>AZ</option>  
<option>CA</option>  
<option>NM</option>  
<option>TX</option>  
<option>VA</option>  
</select>
```

```
$state = $_POST['state'];
```

```
<input type="checkbox" name="bald" value="checked" />bald
```

```
$_POST['bald']
```

```
if ($_POST['bald'] == 'checked')
```

Your task

Your task

1. download the aliens2013 zip file, and install it in htdocs (or a subfolder of htdocs)
2. Get all values to print in report2.php
3. add additional input fields for extra XP.
4. demo - the more people per team demo, the more XP.

Next task

putting alien abduction info into
database and retrieving info from db.

Feedback

presentation too slow

presentation about right

presentation too confusing