WEB APPLICATIONS

LECTURE 3A

HTML FORMS

FORMS

- Suppose we want to allow people viewing our web site to enter information (e.g. their names, their email addresses etc.).
- Forms make it possible to collect and process user input, and formulate personal replies (among other things).
- Lots of applications e.g.
 - ☐ Online Shopping
 - ☐ Web based surveys
 - □ etc.



FORMS

- Two aspects of using forms
 - ☐ (a) collecting input
 - ☐ (b) processing input
- (a) is done with standard HTML but
- •(b) is a bit trickier and is usually accomplished by writing programs which run on the server, ie PHP

HTML Forms

- Textfield
- Hidden field
- Password field
- Fieldset
- Label
- Submit / Reset Button
- Radio Button
- Checkboxes

- Dropdown menu
- Scrolling menu
- Listbox selection
- Optgroup
- Textarea
- File Uploading
- Tab Order





EXAMPLE - INPUT FORM

Dack Forward Melodo Home Search	netscape ⊨nm: Security		
Bookmarks 🌽 Location: http://localhost8080/re	gisteration		
	â î		
USER REGISTRATION			
* Required Fields			
First Name*	Last Name*		
First Ivaine	Last Ivanie		
E-Mail*	Zip Code*		
User Name*			
Password*	Confirm Password*		
What music are you interested in?			
□ Rock □ Pop □ Bluegrass			
□ Blues □ Jazz □ Country			
Would you like to receive e-mail notifications on our special sales?			
Yes ○ No			
Submit			
Document: Done			

FORMS

- A form is an area that can contain form elements.
- Form elements allow the user to enter information (e.g. text fields, textarea fields, drop-down menus, radio buttons, checkboxes, etc.)
- A form should have at least one control like a Submit button that activates the Action attribute of the form.
- Action attributes specifies the URL or JSP that will be called when the user clicks the Submit button
- A form is defined with the <form> tag.
- <form action = method = "post">
- <input type =>
- <input type =>
- •
- </form>

Form Template

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"</p>
   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head>
<title>Form Template</title>
<meta http-equiv="content-type" content="text/html;charset=utf-8"/>
</head>
<body>
<form action = "formscript.php" method = "post">
Put your textboxes, drop down menus, radio buttons etc. in here.
</form>
</body>
</html>
```

```
• <form action = ..... method = "post">
```

- <input type =>

<input type =>

INPUT TAG

Most commonly used form tag is the <input> tag. Describes the input type

Attributes of <input> tag

- type kind of input field it will be.
 - text, hidden, password, and submit or reset.
- name Assigns a name to the given field so that you can reference it later.
- size Sets the horizontal width of the field. The unit of measurement is in blank spaces.
- maxlength Max number of characters that can be entered.
- value specifies value of data e.g. "", or any default value e.g. xyz

INPUT TAG - TEXT FIELDS

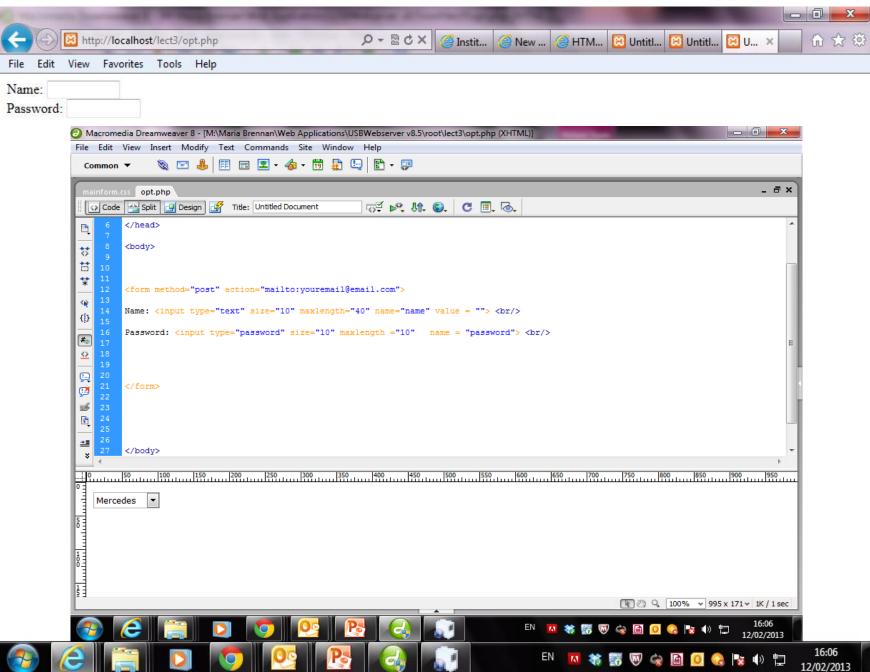
Text fields are used when you want the user to type letters, numbers, etc. in a form.

<form method="post" action="mailto:youremail@email.com">

Name: <input type="text" size="10" maxlength="40" name="name" value = " ">

</form>





INPUT TAG - TEXT FIELDS

Every form should have at least a SUBMIT button

 May also have a RESET button or user named button also.

Submit button should be the last item of your form and have its

name attribute set to "Send" or "Submit".

ATTRIBUTES OF BUTTONS

- Type identifies the type of button
- Submit button activates the Action attribute of the form when clicked
- Reset attribute resets all controls on the form to the default values when it's clicked
- Attribute of type button creates a Javascript button which can activates a Javascript OnClick() method

INPUT TAG - BUTTONS

Examples of buttons

- <input type = "submit" value = "Submit">
- <input type = "reset" value = "Reset">
- <input type = "button" value = "Enter
 data">

INPUT TAG - SUBMIT BUTTON

Now add the submit functionality to your form.

Must also add a destination for information on the form and specify how you want it to travel to that place.

Add the following attributes to your <form> does this.

action - Specifies the URL to send the data to ...a fake email address in this example

method – use <u>GET</u> or <u>POST</u> methods

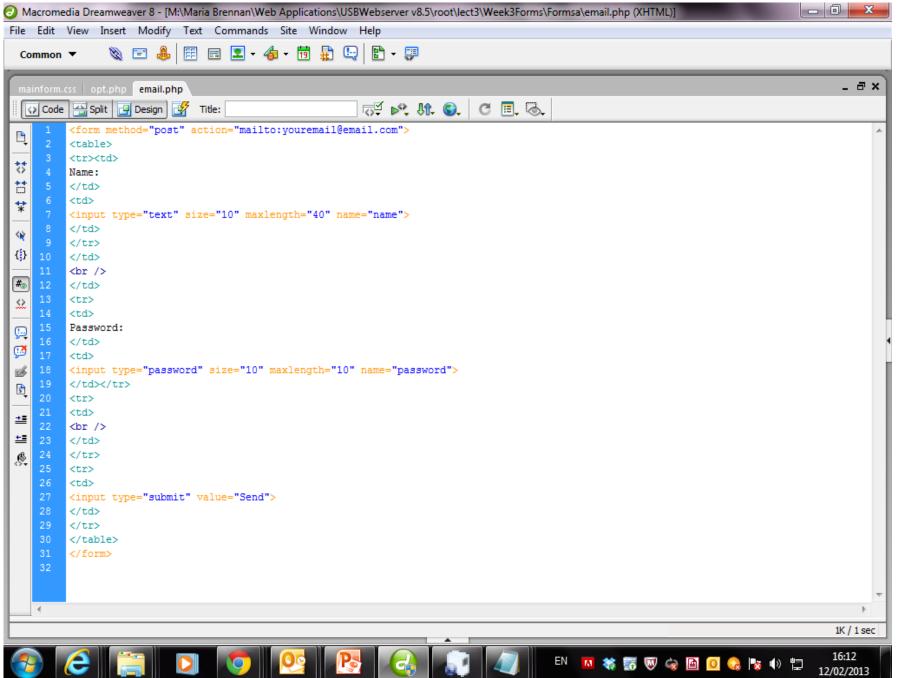
POST sends the data without displaying any of the information to the visitor.

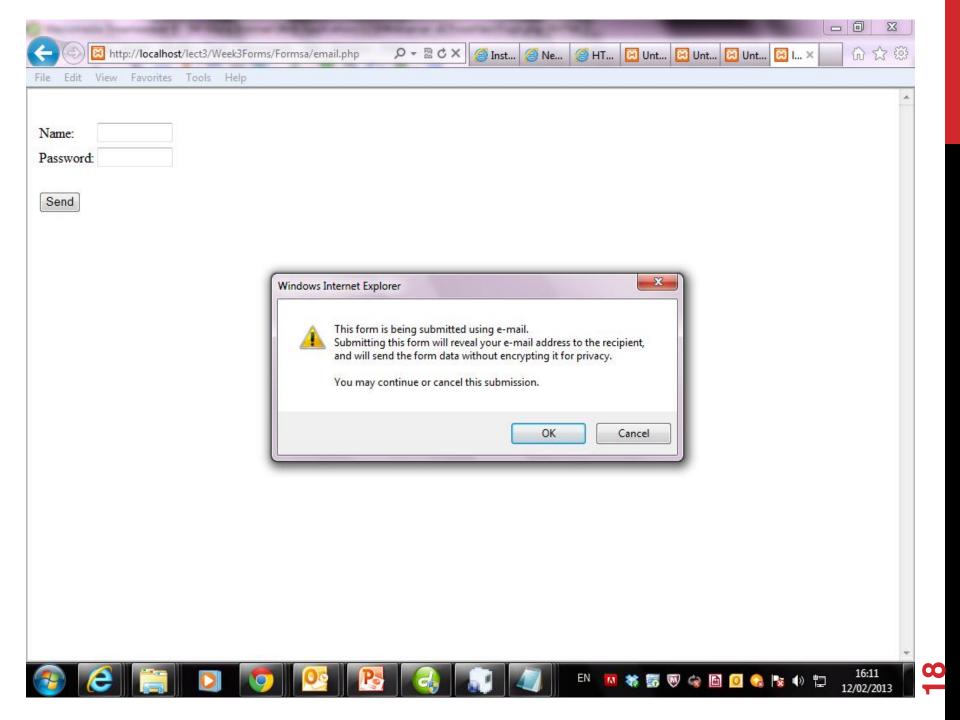
GET sends the data and displays the information

HTML FORM EMAIL CODE

Name: Password: Send	

Simply change the email address to your own and you will have set up your first functional form!





INPUT TAG - RADIO BUTTONS

Radio Buttons are used when you want the user to select one of a limited number of choices

Radio buttons are a popular form of interaction ...on quizzes, questionnaires, and other web sites that give the user a multiple choice.

Attributes of the radio button.

- *type* "radio" for radio button
- name defines which set of radio buttons that it is a part of
- value specifies what will be sent if the user chooses this radio button.
- Only one value will be sent for a given group of radio buttons (see *name* for more information).
- checked selects a control

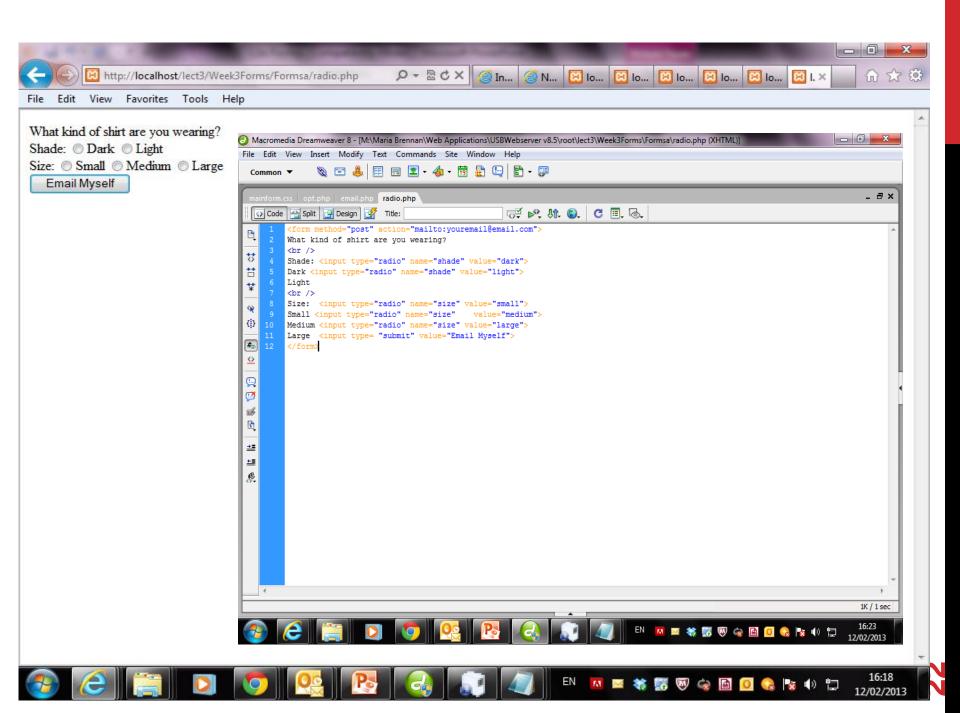
Example has 2 groups of radio buttons: shade and size Note that only one option can be chosen.

INPUT TAG - RADIO BUTTONS

What kind of shirt are you wearing? Shade: ODark OLight Size: O Small O Medium O Large Email Myself

Input Tag - Radio Buttons

```
<form method="post" action="mailto:youremail@email.com">
What kind of shirt are you wearing?
<br />
Shade:
<input type="radio" name="shade" value="dark">
Dark
<input type="radio" name="shade" value="light">
Light <br />
Size:
<input type="radio" name="size" value="small">
Small
<input type="radio" name="size value="medium">
Medium
  <input type="radio" name="size" value="large">
Large
  <br />
<input type="submit" value="Email Myself">
</form>
```



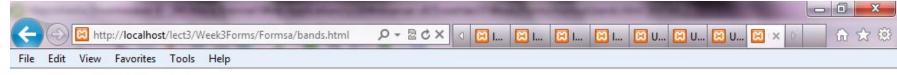




Create a form that contains radio buttons with the following details:

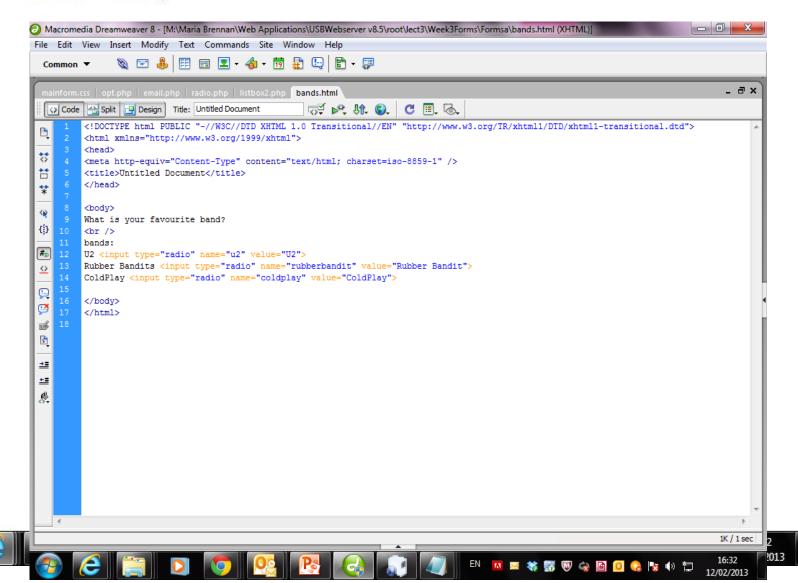
What is your favourite band?

Email Myself



What is your favourite band?

bands: U2 Rubber Bandits ColdPlay



INPUT TAG - CHECKBOXES

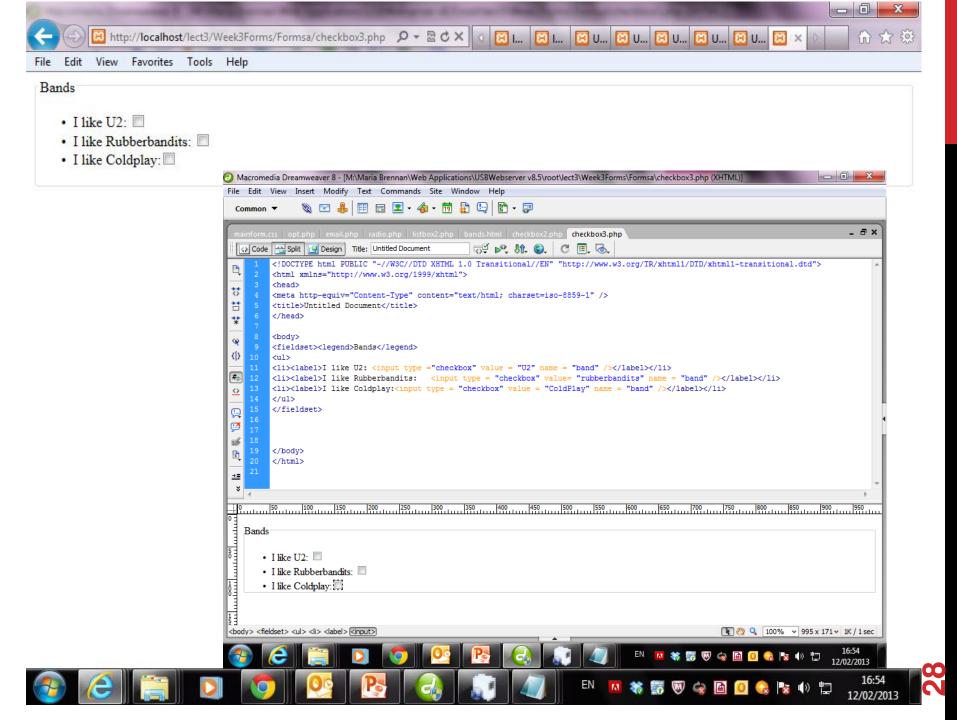
Checkboxes are used when you want the user to select one or more options of a limited number of choices

The check box's *name* and *value* and checked attributes behave the same as a radio button.

Note: [] with checkboxes Thave a bike: 🔲 I have a car: I have an airplane: 🗹

 Create a form that contains the following checkboxes:

- I like U2:
- I like Rubberbandits:
- I like Coldplay:



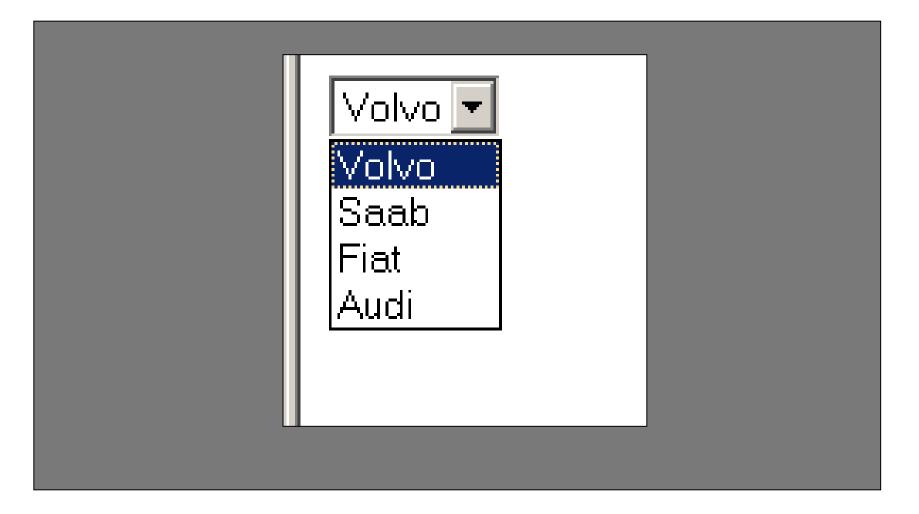
DROPDOWN MENU

A drop-down box is a selectable list.

Drop down menus are created with the <select> and <option> tags.

<select> is the list itself and each <option> is an available choice for the user.

DROPDOWN MENU



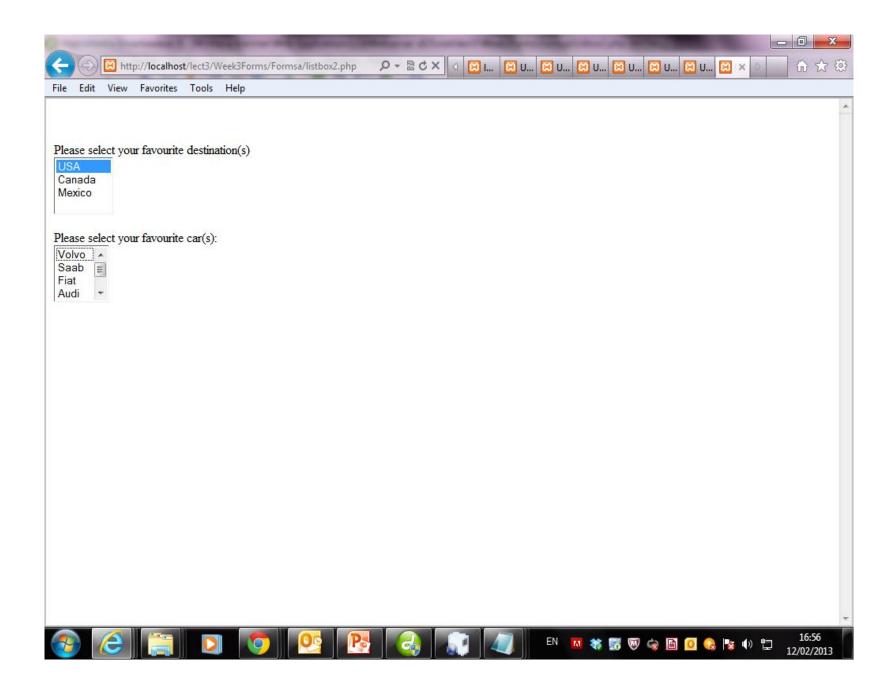
DROPDOWN MENU

Another type of form, a highlighted selection list.

size attribute selects how many options will be shown at once before needing to scroll

selected option tells the browser which choice to select by default.





LIST BOX SELECTION

Convert a drop down menu to a list box by adding the multiple attribute

LIST BOX SELECTION

If the user is allowed to select more than one item for the list then an array should be used:

```
<form action="">
<select name="cars[]" multiple>
<option value="volvo">Volvo</option>
<option value="fiat">Fiat</option>
<option value="fiat">Audi</option>
</select>
</form>
```



Create a form that contains the following dropdown menu:

What is your favourite band?		
U2 Rubberbandits Coldplay		

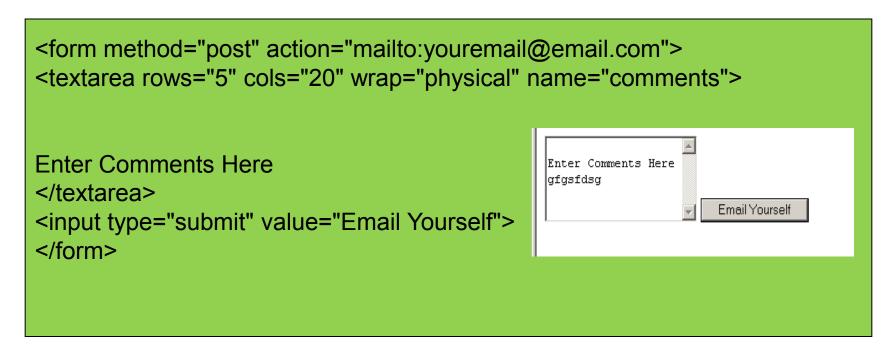
TEXTAREA

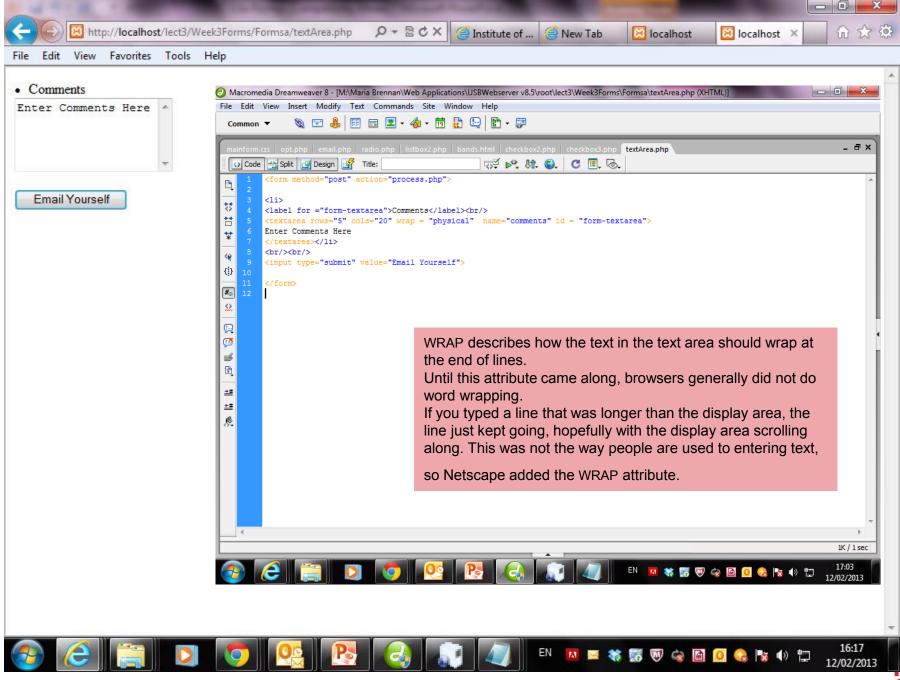
A user can enter text in a text area.

Attributes;

Rows – number of visible lines in text are. A scroll bar appears if the number of lines in the text box exceeds this setting.

Cols – specifies width of text area





FIELDSET AROUND DATA

This example demonstrates how to draw a border with a caption around your data.

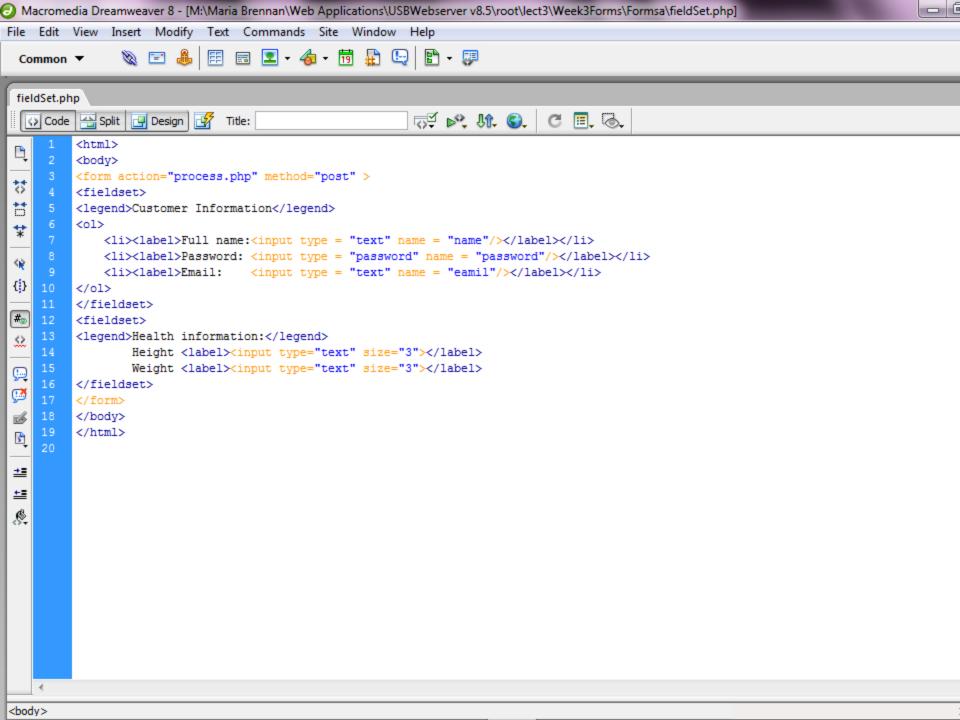
<fieldset></fieldset>
<pre><legend></legend></pre>
Health information:
<form action=""> Height <input size="3" type="text"/> Weight <input size="3" type="text"/> </form>

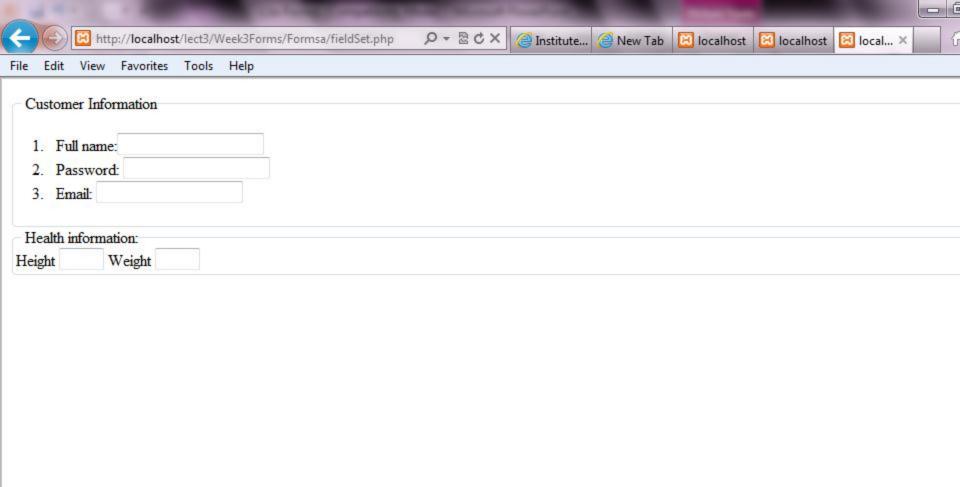
ייים מפסים אין די בילוני אוווינייל וויים ביים אווינייל אווינייל וויים אווינייל אווינייל אווינייל אווינייל אווי	
TT 64 CC	
Health information:	
Height Weight	



 Create a form that contains the following fieldset details:

Customer Information	
1. Full name:	
2. Password:	
3. Email:	
Health information:	
Height Weight	



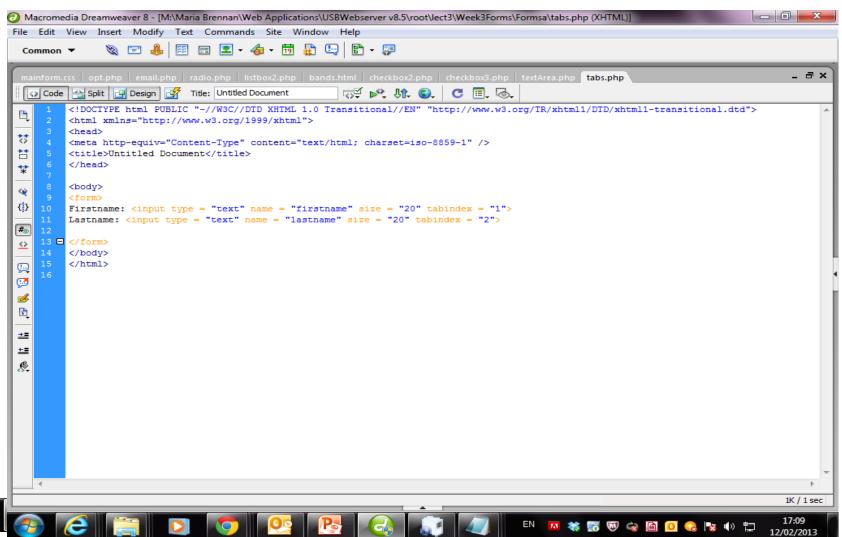


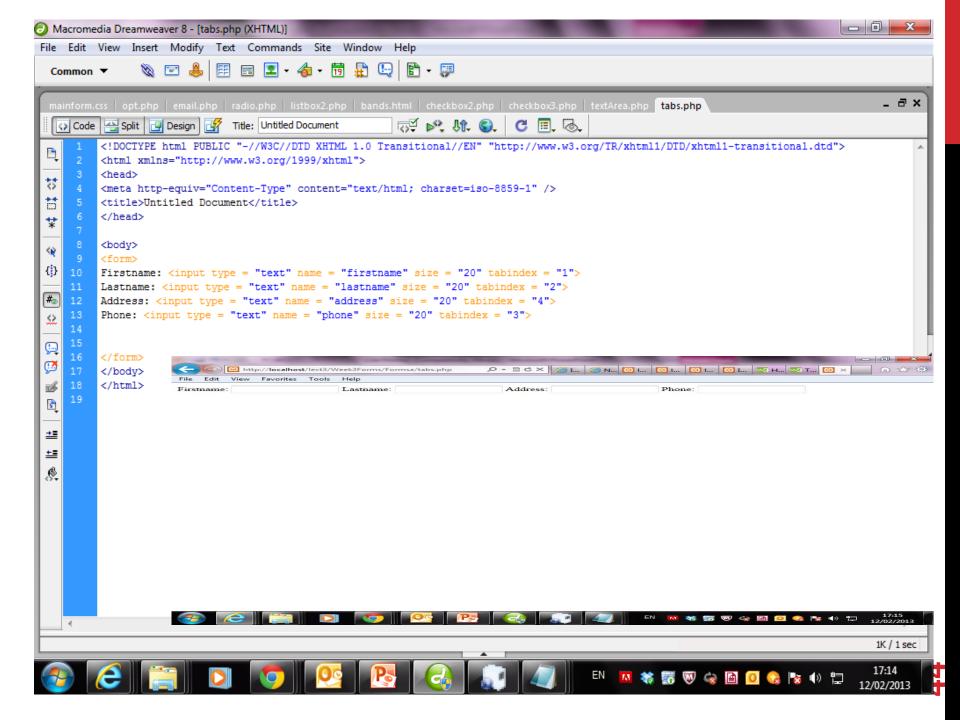
SET TAB ORDER OF CONTROLS

- Tab order determines the sequence in which the controls on a form receive the focus from the tab key when the Tab key is pressed
- By default, tab order is same as the sequence in which the controls are coded in HTML document
- To modify tab order use the tabindex attribute

```
<input type = "text" name = "firstname" size = "20" tabindex = "1">
<input type = "text" name = "lastname" size = "20" tabindex = "2">
```

		-			STATE OF THE PERSON NAMED IN	STREET CONTRACTOR OF THE PARTY	
4	(-)	🔀 htt	p://localhos	t /lect3/V	Veek3Forms/Formsa/tabs.php	♀ ☆ ♂ × (② I (② N 図 I 図 I 図 I (> H 図 U 図 ×	₩ ₩ ₩
File	Edit	View	Favorites	Tools	Help		,
Firs	tname				Lastname:		



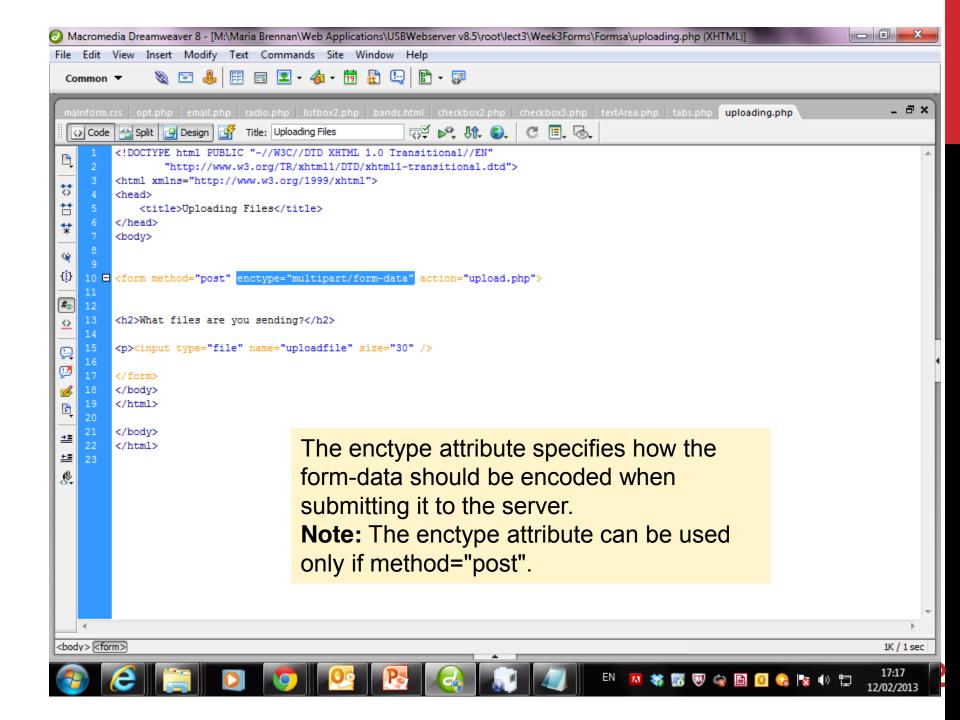


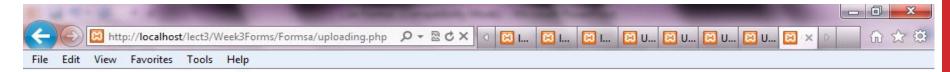
File Uploading

- You can also provide a facility to upload files using the following code:
- enctype="multipart/form-data" (must be included)
- <input type = "file" ...>

```
<form enctype="multipart/form-data" action="upload.php" method="post" >
<h2>What files are you sending?</h2>
<input type= "file" name="uploadfile" size="30" />
</form>
What files are you sending?

Browse...
```





What files are you sending?

Browse...



































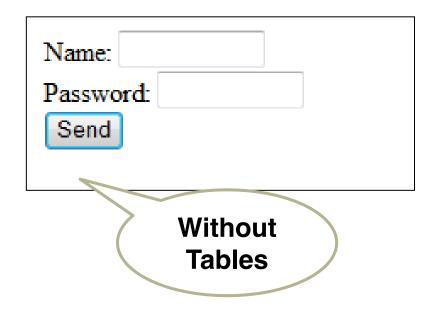


Forms using Tables

First Name:			Personal Information
rirst Name:	l		Y Personal information
Last Name:		10	Please enter your name and
Address:			address as they are listed for your debit card, credit card, or bank account.
City:	Í		
State:	Select a State/Province	~	
Zip/Postal Code:			
Country:	US - United States	M	
105	ion How to Contact You?		2 Contact Information
itact Informati	ion —		Please enter your full email
105	ion How to Contact You? Phone • Email We will never sell or disclose your	email	Please enter your full email address, for example, name@domain.com
itact Informati	ion How to Contact You? Phone • Email	email	Please enter your full email address, for example, name@domain.com It is important that you provide a valid, working email address that you have access to as it
itact Informati	How to Contact You? Phone Email We will never sell or disclose your address to anyone. Once your addresses.	email	Please enter your full email address, for example, name@domain.com It is important that you provide a valid, working email address

FORMS AND TABLES

- Tables are a great way to align form details in a neat orderly fashion.
- The following examples show with and without table formats:





FORMS AND TABLES

Example without using a Table

Name:
Password:
Send

FORMS AND TABLES

Example using a Table

Name:	
Password:	
Send	
OCIIG	

What form elements are on this form?



Simple Form Processing

```
<?php
...
?>
```

FORMS: RECAP

 HTML form input fields send data as key-value pairs where the input is the key, and the input field content is the value.

- Form action attribute specifies a form that will process the data when the data is submitted.
- Form method attribute can be "get" or "post"

GETTING FORM VALUES --- GET

fav.html

Using 'GET'

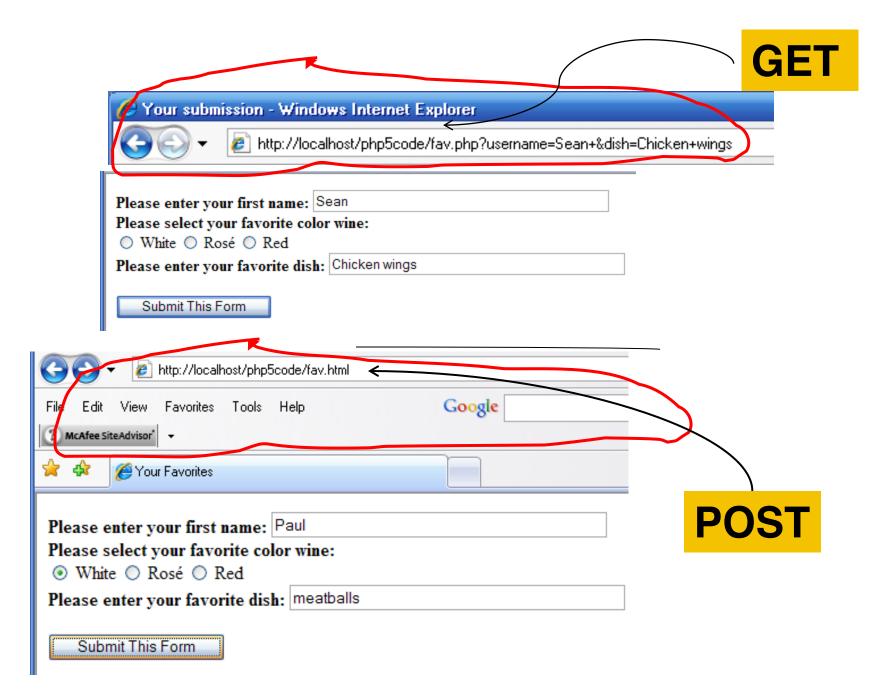
Please enter your first name:	
Please select your favorite color	wine:
White Rosé Red	
Please enter your favorite dish:	
Submit This Form	

Getting Form Values --- post

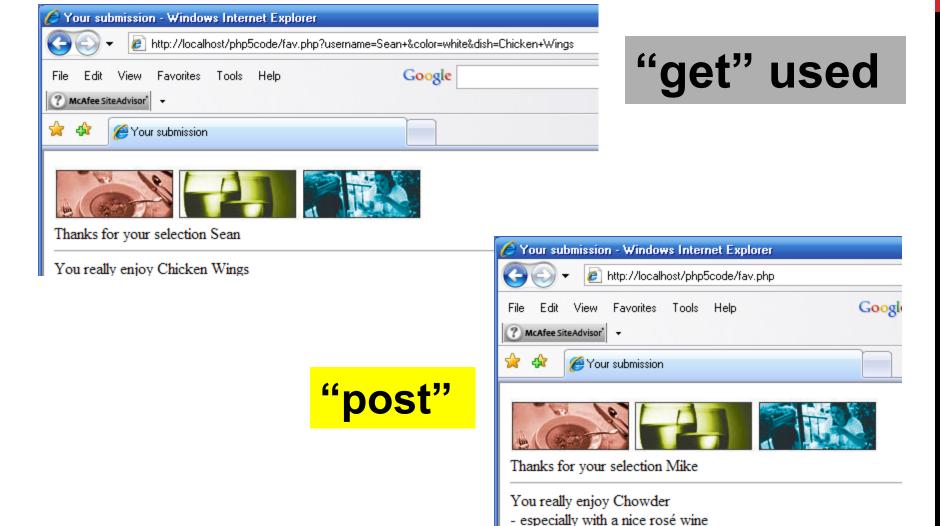
fav.html

Using POST

```
<html><head><title>Your Favorites</title></head><body>
 <form action="fav.php" method="post">
  <br/><b>Please enter your first name:</b>
  <input type="text" size="45" name="username"> <br>
  <br/><b>Please select your favorite color wine:</b> <br/> <br/>
  <input type="radio" name="color" value="white"> White
  <input type="radio" name="color" value="rosé"> Rosé
  <input type="radio" name="color" value="red">
  <br/>br>
  <br/>b>Please enter your favorite dish:</b>
  <input type="text" size="45" name="dish"><br><br><
  <input type="submit" name = "button" value="Submit This
  Form">
</form></body></html>
```



Displaying the contents



Forms: Get V Post methods

- There are limitations to the GET method:
 - long strings may exceed browser limitations
 - Name value pairs are visible to anyone
 - Not secure
 - However, URL's can be bookmarked



Forms: Post method

- POST method doesn't have these limitations.
- Forms can specify either GET or POST
- In either case, the name value pairs are always available in the \$_REQUEST array
- \$ REQUEST used in most code examples
- These are super global variables.....



WHAT ARE SUPERGLOBALS??

SEVERAL PREDEFINED VARIABLES IN PHP ARE
"SUPERGLOBALS", WHICH MEANS THEY ARE
AVAILABLE IN ALL SCOPES THROUGHOUT A SCRIPT.
THERE IS NO NEED TO DO GLOBAL \$VARIABLE; TO
ACCESS THEM WITHIN FUNCTIONS OR METHODS.
THESE SUPERGLOBAL VARIABLES ARE:

\$GLOBALS

\$_SERVER

\$_GET

\$ POST

<u>\$_FILES</u>

\$_COOKIE

\$_SESSION

<u>\$_REQUEST</u>

<u>\$ ENV</u>

We will get to test most of these thus semester.

Form processing

- When you submit the form the name-value pairs are sent to the server-side script
- In the case of PHP these values are available to the script in the arrays \$ GET,

```
$ POST, $ REQUEST
```

- \$_GET contains any name-value pairs sent using the GET method.
- \$_POST contains any name-value pairs sent using the POST method.
- \$ REQUEST contains all name-value pairs.

DISPLAYING SUBMITTED VALUES - VERSION 1

fav.php

```
<html> <head><title>Your submission</title> </head> <body>
<img src="foodbnr.jpg" width="368" height="54"> <br>
<?php
         $username = $_REQUEST['username'];
         $color = $_REQUEST['color'];
         $dish = $_REQUEST['dish'];
         if( $username != null ) {
          echo "Thanks for your selection $username <hr/> ;
         if( ( $color != null ) && ( $dish != null ) ) {
          $msg = "You really enjoy $dish <br/>";
           $msg .= "- especially with a nice $color wine";
          echo($msg);
?>
</body></html>
```



Thanks for your selection Anne

You really enjoy Salmon

- especially with a nice white wine

RECAP GETTING NAME-VALUE PAIRS

Getting name-value pairs from form:

If get used:

\$username = \$_GET['username'];

If post used:

\$username = \$ POST['username'];

If not sure which has been used, or for flexibility use:

\$username = \$_REQUEST['username'];

RECAP GETTING NAME-VALUE PAIRS

- Use \$_GET when someone is requesting data from your application
- Use \$_POST when someone is pushing data to your application
- \$_REQUEST/\$_GET leave you open to attack as they store data in URL
- Speed difference is minimal

Several common patterns in processing forms

- 1. Put the form in one file & the PHP to generate the response in another form.
- 2. Specify the second form as the action of the first Example: fav.html, fav.php
- Form & response are put in the same PHP file. favForm.php

Edit View Favorites Tools Help

Please enter your first name: Please select your favorite color wine:

White Rosé Red

Please enter your favorite dish:

This is what appears in the html form to generate this

Submit This Form

```
00
file:///M:/Maria%20Brennan/Web%20Applications/USBWebserver%20v8.5/root/lect3/Week3Forms/Formsb/fav.html...
File Edit Format
  1 k!-- example for PHP 5.0.0 final release -->
  2
  3
     <html>
  4
  5
      <head>
  6
      <title>Your Favorites</title>
  7
      </head>
  8
      <body>
      <form action="fav.php" method="post">
  9
       <b>Please enter your first name:</b>
 10
       <input type="text" size="45" name="username"> <br>
 11
        <b>Please select your favorite color wine:</b> <br>>
 12
        <input type="radio" name="color" value="white"> White
 13
        <input type="radio" name="color" value="rosé">
 14
 15
        <input type="radio" name="color" value="red">
                                                          Red (br)
 16
       <b>Please enter your favorite dish:</b>
       <input type="text" size="45" name="dish"><br><br></pr>
 17
        <input type="submit" name = "button" value="Submit This Form">
 18
 19
      </form>
      </body>
 20
     </html>
 21
 22
 23
```





























- A test is made to see if the main form variable is set i.e.
 Submit button pressed
- If it isn't, the HTML form is generated as output
- If it is, the form is processed and a response is generated

```
if (isset($_REQUEST["buttonName"])) {
```

- // do the form processing & generate the response here
- }
- else {
- // generate the form here
- •
- Idea is to put as much HTML code outside main block of PHP code

```
isset() function checks for the existence of
 ..... is it set?
Use $_SERVER['PHP_SELF'] as the action in the
 form
$_SERVER['PHP_SELF'] evaluates to filename
  of the PHP script currently running.
It gives the script location relative to the
  document root.
$self = $_SERVER['PHP_SELF']; puts the file path into a variable
called $self
```

```
<html><head><title>Your Favorites</title></head><body>
<form action= "<?php</pre>
echo $_SERVER['PHP_SELF'];
?>"
        method="post">
<input type="submit" name = "button" value="Submit">
</form>...
<?php
?>
```

DISPLAYING SUBMITTED VALUES – VERSION 2

What if the user tries to get the form processed without entering any form data?

Check whether a field e.g. username has been filled in or not

Use empty() or !isset() functions

If not, re-direct the user to the form

```
    Use the header() function
    if (empty($_REQUEST['username']))
    {
    header("Location: url or filename.php");
    exit;
    }
```

DISPLAYING SUBMITTED VALUES – VERSION 2

header() function redirects the user to a location – a url or the form itself

header() function must go at the top of the page – it has to happen before any HTML body is sent, or even whitespace.

THE ALL-IN-ONE FORM & RESPONSE

```
<?php
if (isset($_REQUEST['button'])) //if the submit button is pressed
                                                      If the submit button is pressed do this
$self = $ SERVER['PHP_SELF']; //assign the function to a variable
if(empty($ REQUEST['username'])) //if the username field is empty
           header("Location: $self");
           exit; //call the program that is running using the header command
 // process the form (using PHP) & display the form response
}//end of if block
Else ///display the html form
                                                       Else generate the html again
<a href="https://www.energeness.com/">httml> create a HTML form here, using plain HTML </a>
 } // end of else-block
?>
```

ALL-IN-ONE FORM LOGIC

favForm.php

Pseudocode

If Submit button pressed

Check if any fields in the form are blank
If any fields are blank, display the HTML
form again & exit
If not blank -Get values sent in by user &
process form & display results

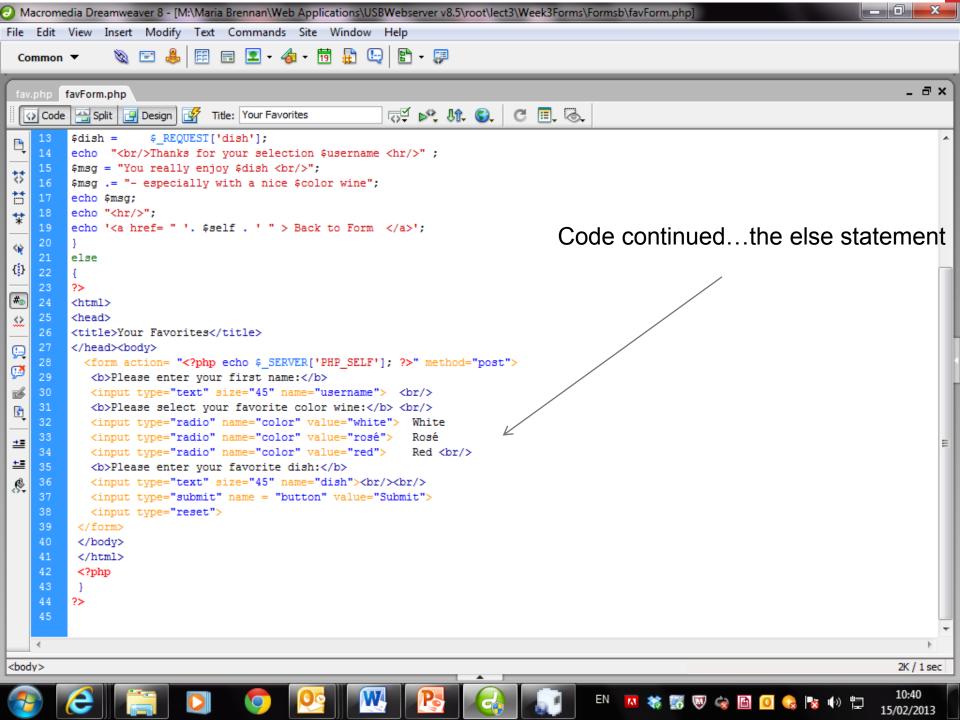
Else

Display the HTML form

THE ALL-IN-ONE FORM & RESPONSE

Favform.php

```
<?php
if (isset($_REQUEST["button"]))
 $self = $ SERVER['PHP SELF'];
 if ((empty($_REQUEST["username"])) || (empty($_REQUEST["dish"]))|| (empty($_REQUEST["color"])))
   header("Location:$self");
   exit:
echo "kimq src='foodbanner.jpg' width='368' height='54'/>";
$username = $_REQUEST['username'];
$color = $_REQUEST['color'];
$dish = $_REQUEST['dish'];
echo "<br/>Thanks for your selection $username <hr/> ;
$msg = "You really enjoy $dish \( br/\> ";
$msq .= "- especially with a nice $color wine";
echo $msq;
echo "<hr/>:
echo '<a href= " '. $self . ' " > Back to Form </a>';
else
```



ALL-IN-ONE FORM

Form will display again If form incomplete

Please enter your first name:
Please select your favorite color wine:

O White O Rosé ® Red

Please enter your favorite dish: fish

Submit

Reset







Thanks for your selection John

You really enjoy fish

- especially with a nice red wine

Back to Form

Response to completed form



What does this code mean?

```
<form action= "<?php echo
$_SERVER['PHP_SELF']; ?>"
method="post">
```

```
What does this code mean & where is it placed?
 if (isset($_REQUEST["buttonName"])) {
```

```
What does this code do?
 $self = $_SERVER['PHP_SELF'];
```

```
Explain this code:
if(empty($_REQUEST['username'])) {
      header("Location: $self");
     exit;
```

What does this code do?

echo ' Back to Form ';

MANIPULATING SUBMITTED VALUES

Example – Arithmetic Operation

- Form allows users to enter 3 numbers and select an arithmetical operation to perform on them
- When the form is submitted, these values are sent to the form handler calc.php for processing
- Two versions shown:
 - 1. calc.html & calc.php
 - 2. All-in-one version calcForm.php

FORM TO ENTER NUMBERSV1

```
<html> <head> <title>Calculation Form</title> </head><body>
 <form action = "calc.php" method = "post">
 Value 1: <input type = "text" name = "val1" size = "10">
 Value 2: <input type = "text" name = "val2" size = "10">
 <br>
 Calculation: <br>
 <input type = "radio" name = "calc" value = "add"> Add
 <input type = "radio" name = "calc" value = "sub"> Subtract
 <input type = "radio" name = "calc" value = "mul"> Multiply
 <input type = "radio" name = "calc" value = "div"> Divide
 <hr>
 <input type = "submit" name = "button " value = "Calculate">
 <input type = "reset" value = "Clear">
 </form>
</body>
</html>
```

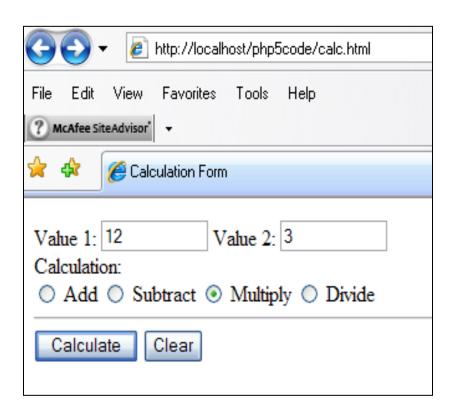
calc.html

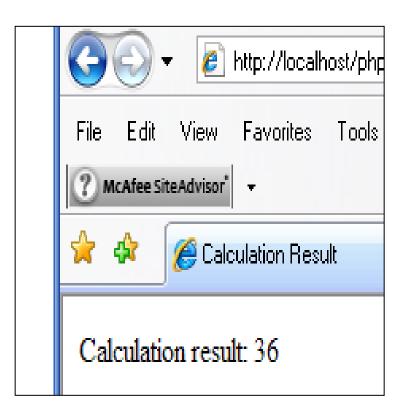
MANIPULATE SUBMITTED VALUES V1

```
<html> <head> <title>Calculation Result</title> </head <body>
                                                                     variable is numeric
<?php
         $val1 = $ REQUEST['val1'];
         $val2 = $ REQUEST['val2'];
                                                                     calc.php
         $calc = $_REQUEST['calc'];
         if( is_numeric( $val1 ) && is_numeric( $val2 ) ){
                    if( $calc != null ){
                              switch( $calc ){
                                        case "add" : $result = $val1 + $val2; break;
                                        case "sub" : $result = $val1 - $val2; break;
                                        case "mul" : $result = $val1 * $val2; break;
                                        case "div" : $result = $val1 / $val2; break;
                              echo "Calculation result: $result";
                    } }
         else{
                    echo "Invalid entry - please retry";
         } ?>
</body></html>
```

Finds whether the given

FORM AND RESULT





ALL-IN-ONE FORM LOGIC

calcForm.php

Pseudocode

If Submit button pressed

If any fields empty, display HTML form again & exit
Retrieve values from fields entered
If values are numeric & all OK
process calculations, display results & hyperlink

Else

display error message & hyperlink

Else

Display the HTML form

ALL-IN-ONE FORM

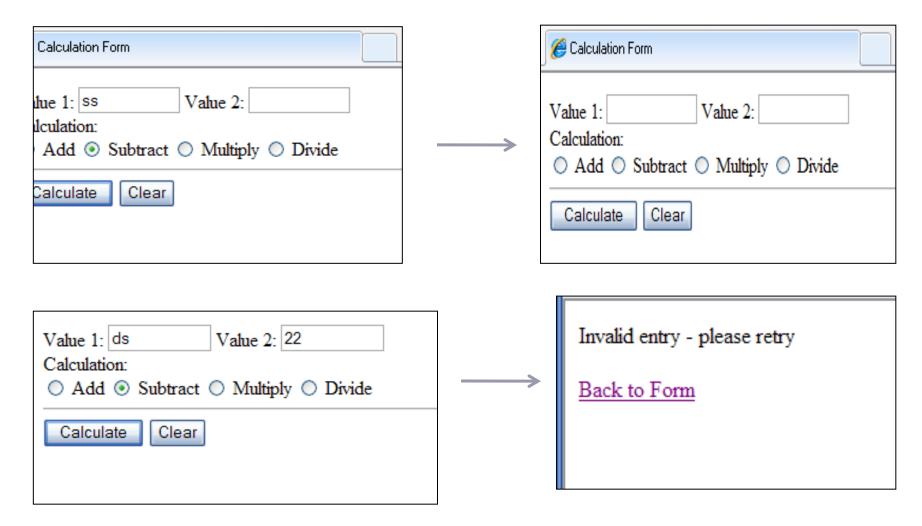
calcForm.php

```
<?php
if (isset($_REQUEST["button"]))
{ if ((empty($_REQUEST["val1"])) || (empty($_REQUEST["val2"])) || (empty($_REQUEST["calc"])))
          { /// display the form again }
     // if values are numeric & all OK
         // do calculation
        // display results & link back to form
     // else – display error message & link to form
else{
?>
<html>...<form action = "<?php echo $_SERVER['PHP_SELF']; ?>" method = "post">
 <input type = "submit" name = "button" value = "Calculate">
 </form></body></html>
<?php
?>
```

```
switch($calc ) {
                              case "add" : $result = $val1 + $val2; break;
                              case "sub" : $result = $val1 - $val2; break;
                              case "mul" : $result = $val1 * $val2; break;
                              case "div" : $result = $val1 / $val2; break; }
                              echo "<title> Calculation Result </title>";
                              echo "<h2> Calculation Result </h2><hr/>";
echo "The result of $calc sum of $val1 and $val2 is: <b>$result </b>";
                       // is numeric
else {
                              echo "Invalid entry - please retry";
                        //Hyperlink to form
else { .....
form action = "<?php echo $_SERVER['PHP_SELF']; ?>" method = "post">
?php }
?>
```

calcForm.php

ALL-IN-ONE FORM – SAMPLE INPUT



In some cases the user may be able to select more than one entry from a listbox, checkbox, etc.



How do you process this entry?

For example, the user can select more than one band as follows:

Bands
I like U2:
I like Rubberbandits:
I like Coldplay: 🗹
Submit Query Reset

Its quite simple, just store the checkbox values as an array as follows:

```
<html>
<head><title>Form example</title></head>
<body>
<form method="get" action= "checkbox.php" >
<fieldset><legend>Bands</legend>
I like U2: <input type ="checkbox" value = "U2" name = "band" /></br>
I like Rubberbandits: <input type = "checkbox" value= "Rubberbandits" name =
"band" /></br>
I like Coldplay:<input type = "checkbox" value = "Coldplay" name = "band" /></br>
</fieldset>
<br/><br/>
<input type="submit" name="button"/>
<input type="reset"/>
</form></body></html>
```

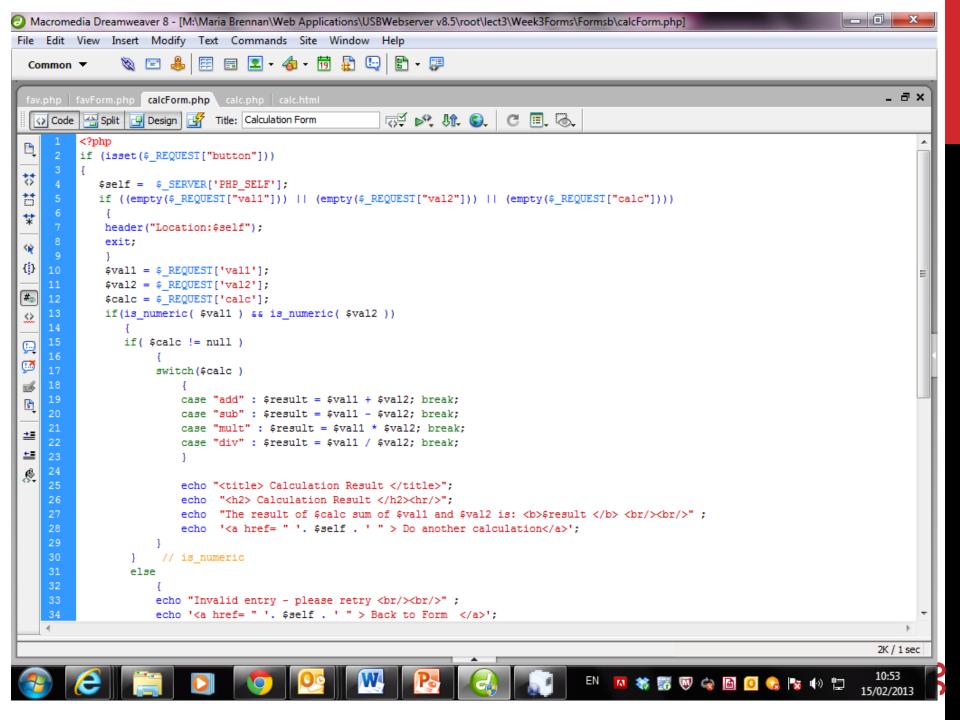
Checkbox.php is as follows:

```
<?php
if (isset($_REQUEST['button']))
$self = $_SERVER['PHP_SELF'];
$band = $ REQUEST['band'];
// band, using a foreach loop
echo "<b>The Band(s) selected is/are:</b>";
echo "";
if (isset($band)){
  foreach($band as $value){
    echo "$value ":
else{
  echo "No band was selected.":
echo "";
```



The Band(s) selected is/are:

- U2
- Coldplay



Summary

Form Validation



Form Processing

Get and Post

Manipulating Values

All-in-one processing



Forms and Tables

Forms - HTML

File Uploading

Fieldsets

Textareas



Input Tags
Textfields, Radio buttons
Checkboxes

Dropdown Menu List box (basic HTML)