

# Web Design and Programming (0107558)

## Internet Programming (0107571)<sup>1</sup>

PHP and HTML Forms

Dr. Naeem Odat



College of Engineering  
Department of Computer and Communications Engineering

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<sup>1</sup>Michael Mendez. *The Missing Link: An Introduction to Web Development and Programming*. Open SUNY Textbooks 2014.

# PHP and HTML Forms

## Get and Post

- ▶ Super global arrays:
  - ▶ `$_GET`. Stores the parameters sent from a client using get method.
  - ▶ `$_POST`. Stores the parameters sent by a user using post method.
- ▶ GET is used when you want to read or search for data. It has an upper limit of bytes of parameters (around 2k bytes)
- ▶ POST is used when creating or modifying data.
- ▶ `$_REQUEST`. Stores the get, post and cookie arrays.



# PHP and HTML Forms

## HTML Forms

- ▶ Forms drive the internet.
- ▶ Forms define places on a page where the user's interaction can add, change, interact with, or remove the data in your system.

- ▶ Syntax:

```
<form name="" id="" action="" method=""></form>
```

- ▶ Input tags are used to get data from user.

```
<form name="" id="" action="" method="">  
  <input type="text" placeholder="First Name" autofocus name="name"/>  
</form>
```

# PHP and HTML Forms

## Forms Input Types

- ▶ Text.
- ▶ Url.
- ▶ Email.
- ▶ Range.
- ▶ Number.
- ▶ Date.
- ▶ Week.
- ▶ Month.
- ▶ Time.
- ▶ Datetime.
- ▶ Datetime-local.
- ▶ Color.
- ▶ Tel.
- ▶ Search.

# PHP and HTML Forms

## Forms Input Types - Continued

- ▶ Radio.
- ▶ Checkbox.

## Other Elements of a Form

- ▶ Textarea element for long text.
- ▶ Select and options elements for drop down lists.
- ▶ Button with submit name performs the same as input of submit type.

# PHP and HTML Forms

## Persisting Form Data

- ▶ If there is an error when submitting a form, we expect when the form re-displayed has the previous data.
- ▶ The application has to put the previous data values back to the form.
- ▶ HTML injection could happen if not used wisely.

# PHP and HTML Forms

Demo

5-htmlformsandphp.php



# PHP and HTML Forms

## Quiz - 1

- ▶ A properly formatted form element will always include an action attribute.
  - ▶ True
  - ▶ False
- ▶ Web crawlers follow anchor tags `<a href="...."` and may even fill in forms with a method of GET, but will never submit a form with a method of:.
- ▶ Within PHP the ( ) array merges `$_GET` and `$_POST` data.
- ▶ It is good practice for a web application to change data on a GET request.
  - ▶ True
  - ▶ False
- ▶ The ( ) attribute of a text input field will set a default value for the field.

# PHP and HTML Forms

## Quiz - 2

- ▶ The function `htmlspecialchars` will transform an ampersand character (&) into:
- ▶ The input type ( `text` ) will display your form input as dots.
- ▶ To connect the behavior of multiple radio buttons (e.g. to make sure that only one is "on" at the same time), make sure to give each radio button the same ( `name` ) attribute.
- ▶ To set a checkbox as checked by default, use the ( `checked` ) attribute.
- ▶ To set a default option in a drop-down list, use the ( `selected` ) attribute.
- ▶ All browsers treat unknown input types as `type= ( text )`

# PHP and HTML Forms

## Quiz - 3

- ▶ In HTML5, the email input type doesn't validate the value until you press:
- ▶ Post data is appended to the URL.
  - ▶ True
  - ▶ False
- ▶ In a PHP script, it is generally a good idea to process any incoming POST data before you produce page output.
  - ▶ True
  - ▶ False

# PHP and HTML Forms

## Quiz - 4

- ▶ "View Page Source" allows you to see the HTML code.
  - ▶ True
  - ▶ False
- ▶ "View Page Source" allows you to see the PHP code.
  - ▶ True
  - ▶ False
- ▶ "View Page Source" allows you to see the output of the PHP code.
  - ▶ True
  - ▶ False