

Fundamentals of Website Development

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Chapter 9: Forms

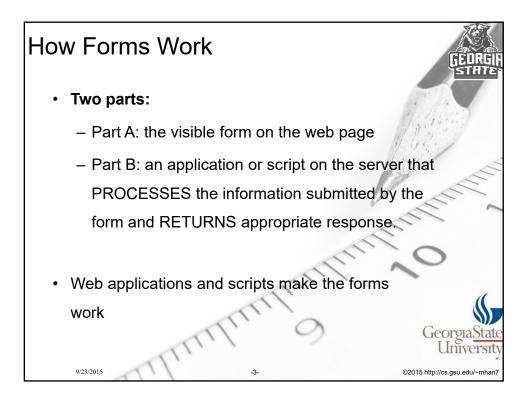
- How forms work
- The Form element
- POST versus GET
- Variables and values
- Form controls
 - Label
 - Text entry filed
 - Submit and Reset button

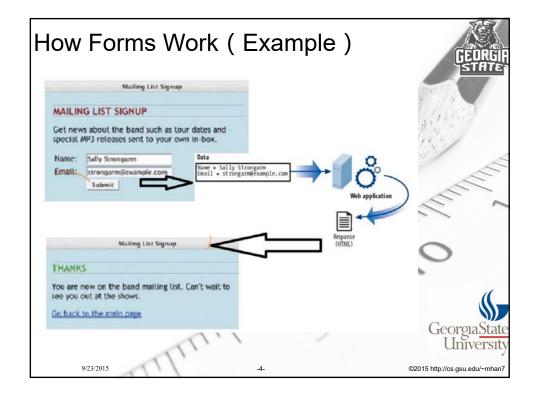


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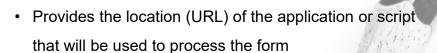
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The form Element · Usage Syntax: < <form > </form> Properties Block element, containing text, button, paragraph Better not contain other forms <form action="/cgi-bin/mailinglist.pl" method="post"> <fieldset> • Example: <legend>Join our email list</legend> <label for="name">Name:</label> <input type="text" name="name" id="name" /> <label for="name">Email:</label> <input type="text" name="email" id="email" /> <input type="submit" value="Submit" /> </fieldset> Universi 9/23/2015 ©2015 http://cs.gsu.edu/~mhan

The action attribute



In previous example:

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```
<form action="/cgi-bin/mailinglist.pl" method="post">...</form>
```

The .pl suffix indicates that this form is processed by a Perl script (Perl is a scripting language). It is also common to see web applications that end with the following:

- .php, indicating that a PHP program is doing the work. PHP is an open source scripting language most commonly used with the Apache web server.
- .asp, for Microsoft's ASP (Active Server Pages) programming environment for the Microsoft Internet Information Server (IIS).
- . .jsp, for JavaServer Pages, a Java-based technology similar to ASP.



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The method attribute

- Specifies how the information should be sent to the server.
- Two types:
 - POST

When the form's method is set to POST, the browser sends a separate server request containing some special headers followed by the data. Only the server sees the content of this request, thus it is the best method for sending secure information such as credit card or other personal information.

GET

With the GET method, the encoded form data gets tacked right onto the URL sent to the server. A question mark character separates the URL from the following data, as shown here:

get http://www.bandname.com/cgi-bin/mailinglist.pl?name=Sally%20Strongar m&email=strongarm%40example.com

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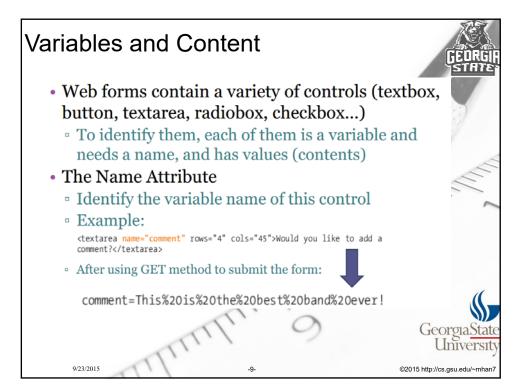
The method attribute

- Examples:
 - GET: http://www.google.comPOST: http://www.gmail.com
- Advantages:
 - The POST method is also preferable for sending a lot of data, such as a lengthy text entry, because there is no character limit as there is for GET.
 - The GET method is appropriate if you want users to be able to bookmark the results of a form submission (such as a list of search results).
 - GET is not appropriate for forms with private personal or financial information.

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All form control elements must include a name attribute so the form-processing application can sort/understand the information. The only exceptions are the submit and reset button elements because they have special functions. Naming Variables: name your variables simply and descriptively Unique, easy for later changing Georga State University

Form Accessibility Features

- It is essential to consider how users without the benefit of visual browsers will be able to understand and navigate through your web forms.
- HTML 4.01 introduced a number of elements that improve form accessibility by enabling authors to label the heck out of them.
- The resulting markup is not only more semantically rich, but there are also more elements available to act as "hooks" for style sheet rules.

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Labels

- Associate descriptive text with its related form field, e.g., text field, text area
- Each label element is associated with exactly one form control.
- Two ways:
 - Implicit association

<label>Male: <input type="radio" name="gender" value="M" /></label>
<label>Female: <input type="radio" name="gender" value="F" /></label>

Explicit association

clabel for="form-login-username">Login account:</label>
cinput type="text" name="login" id="form-login-username" />

<label for="form-login-password">Password:</label>
<input type="password" name="password" id="form-login-password" />

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