WEB DEVELOPMENT

WEB SERVER MODEL

Works in the same way as other server models

Clients request services from the Server computer (The Browser or application (Client) requests services from the WEB SERVER. The Web Server retrieves the information and

- Don’t think of the server as being a large computer
- It can be a computer running the server software or the server software itself.
- A single computer can run several servers at once
- Typical set up for web development can include
  - A web server
  - One or more server side scripting languages
  - A database server for data storage
  - The database server can be on the same computer as the webserver or may be located elsewhere
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WEB SERVER MODEL WITH MYSQL & PHP
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HTML FORM PROCESSING

FORMS can be used to submit data for processing.

A WEB FORM has 2 parts. 1. HTML front end and 2. Back End form processor.

The front end operations occur at the client side (in the browser) and the back end operations occur on the server side.

Typical interactions with a web form:

1. A user visits a web page that contains a form.
2. The web browser displays the HTML form.
3. The user completes the form and submits it.
4. The browser sends the submitted form data to the web server.
5. A form processor script running on the web server processes the form data.
6. A response page is sent back to the browser.
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What should you know:

How to

Create an HTML Form to submit data

Use and Describe the GET and POST methods

GET V POST Methods
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Method attributes specify how data entered into the form is sent to the processing script

GET Method: form data is sent as an URL containing values

POST Method: form data is sent as an HTTP post transaction
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GET METHOD

- Appends form data into the URL in name value/pairs (delimited by &)
- URL length is limited, so this may be a limitation
- Data is visible in the URL - so this method is not suitable for sensitive data
- Useful when data will be kept perhaps as the bookmark of a page
- Better for debugging as the values are visible and can be traced easily
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POST METHOD

- Adds the form data INSIDE the body of the HTTP request.
- Data is Not Visible in the URL
- More secure than GET method
- No size limitation
- Form submissions with the POST method cannot be bookmarked