



SY110

Server-Side Scripting

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What we talked about last time

- Forms
 - ▶ Why are they useful?
- Password validating
 - ▶ Where should this be done?



How do we know?

- If we see `<script type="text/javascript">` start tag, what type of script do we have?
- If we see an HTML element with an event-driven attribute like *onclick*, *onmouseover*, etc, in the start tag what type of script do we have?

Forms

We also looked at forms, in which we did some simple units conversions and password validation. But what if we need to send form data to a server?



A form can have event-driven attributes as well that send data to the server for processing instead of being processed in the browser!

A server-side script...

...is a program/file on the server (often with the extension `.jsx`) that

- expects input from a form on a webpage in the user's browser
- executes the script on the server
- when done running the script, sends a different page back to the browser, with a `?` in the URL (indicates the script was executed).

Example

Let's take a look at two webpages with the same rendered content, where one was created by a server-side script, while the other was created by a client-side script



We'll take a look at a simple Fahrenheit to Celsius converter again, but this time the script will execute on the server.

We notice the following differences

- We have an `action` attribute for the form, which specifies the URL of the `.jsx` file the server should run
- We have a `method` attribute, which is `get`. `get` uses the URL string to pass input arguments to the server, in this case, Fahrenheit. There is another method, called "post" that we won't cover in this class.
- The `submit()` function in the button's `onclick` attribute. `submit()` builds the URL we need to run our query on the server.

Reminder!

All GET requests to a server are store in its access logs, along with the IP address from which that request originated!



Questions?