

## **HTML Forms Cheat Sheet**

## HTML forms all follow the same basic structure:

- 1. Forms must be placed inside the <form> </form> element
- 2. Forms collect data using a combination of form elements, including <input>, <textarea>, <select>, <option>, <opt-group>, etc.
- 3. Each element above <u>must have a name attribute</u> or user data will not be stored
- 4. Form data is sent to a specific web page, listed inside the action attribute
- 5. Data can be sent one of two ways, either method="get" or method="post".

## **HTML Form Elements**

<input type="type_name"/>		
text	<ul> <li>Will accept any string of characters (numbers, letters or symbols)</li> <li>value will pre-fill an answer for the user; it will be recorded if the user doesn't change it</li> <li>placeholder will pre-fill explanatory text, but this data will not be recorded</li> <li>Default width is 20 characters; width can be changed with size attribute (in characters) or preferably use CSS</li> <li>More at w3schools</li> </ul>	
radio	<ul> <li>As with all labels, the value of the for attribute inside the label element and the id attribute in the input element must be the same</li> <li>For radio buttons and checkboxes, adding a label element allows the user to click on the label as well as the button to choose that option</li> <li>checked can be used to pre-select a specific value</li> <li>More at w3schools</li> </ul>	
checkbox	<ul> <li>As with all labels, the value of the for attribute inside the label element and the id attribute in the input element must be the same</li> <li>For radio buttons and checkboxes, adding a label element allows the user to click on the label as well as the button to choose that option</li> <li>checked can be used to pre-select a specific value</li> <li>More at w3schools</li> </ul>	
email	<ul> <li>Value is automatically validated to ensure that it's either empty or a properly formatted email address</li> <li>Can take a list of comma separated email addresses when the multiple attribute is present</li> </ul>	

password	<ul> <li>Similar to text input type but characters are masked (shown in asterisks or circles)</li> <li>Doesn't apply any encryption when the data is sent, so do not rely on the password field to secure data</li> </ul>
date	<ul> <li>In supporting browsers, submitting a form with date will convert the input data into a string representing a date</li> <li>Can set a default value for the input with a data inside the value attribute</li> <li>More at w3schools</li> </ul>
color	<ul> <li>Provides user interface element that allows users to specify color, either by a visual color picker interface or by entering the color into a text field in hexadecimal format (#rrggbb)</li> <li>More at w3schools</li> </ul>
time	<ul> <li>Allows user to easily enter a time (hours and minutes, and optionally seconds)</li> <li>More at <u>w3schools</u></li> </ul>

	<select> element (i.e. a drop-down)</select>
select	<ul> <li>Must specify a <i>value</i> attribute for each <i><option></option></i>, separate from display text</li> <li>Must specify a <i>name</i> attribute for <i><select></select></i> tag</li> <li>Optional: add <i>multiple</i> and <i>size</i> attributes to use Control (or Option) key to select multiple drop-down values</li> <li>More at <u>w3schools</u></li> </ul>

	<textarea> element&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;textarea&gt;&lt;/th&gt;&lt;th&gt;&lt;ul&gt;     &lt;li&gt;You must specify the number of rows and columns for proper display, e.g. rows="10" and cols="20"&lt;/li&gt;     &lt;li&gt;Default text can be placed between &lt;textarea&gt; and </textarea> . This text will be submitted if the user does not change it, just like in the value attribute in a text box (input type="text") <li>More at w3schools</li>		
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Button elements		
<button></button>	<ul> <li>Three types of buttons: type="button", type="submit" or type="reset"</li> </ul>	

	<ul> <li><button> can be styled in CSS</button></li> <li>More at <u>w3schools</u></li> </ul>
<input type="submit"&gt;</input 	<ul> <li>Cannot be styled in CSS; however, value attribute will change button text and background-color will change color</li> <li>More at w3schools</li> </ul>

Specify this action in your form and w3schools will send back a human-readable response: <form action="https://www.w3schools.com/action\_page.php">