

# Working with Forms

## TEXT INPUT

Some text input

## TEXTAREA

Lots of text input. Magnis sit ultricies scelerisque vitae consectetur montes taciti elit. A sapien in suspendisse mauris sem posuere dapibus.

## RADIO BUTTONS

- ☐ Option One
- ☒ Option Two

## CHECKBOXES

- ☒ Option One
- ☐ Option Two
- ☒ Option Three

## DROPDOWN MENU

Option One

## BUTTON

Submit

**SoftUni Team**  
**Technical Trainers**



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sli.do

**#html-css**

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5. Advanced Styling





# HTML Forms

- The **HTML form** element represents a document section that contains interactive controls for submitting information to a web server



**FORM ELEMENTS**  
(FRONTEND HTML & CSS)



**FORM PROCESSING**  
(BACKEND SERVER)

TEXT INPUT

Some text input

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RADIO BUTTONS

- ☐ Option One  
☒ Option Two

CHECKBOXES

- ☒ Option One  
☐ Option Two  
☒ Option Three

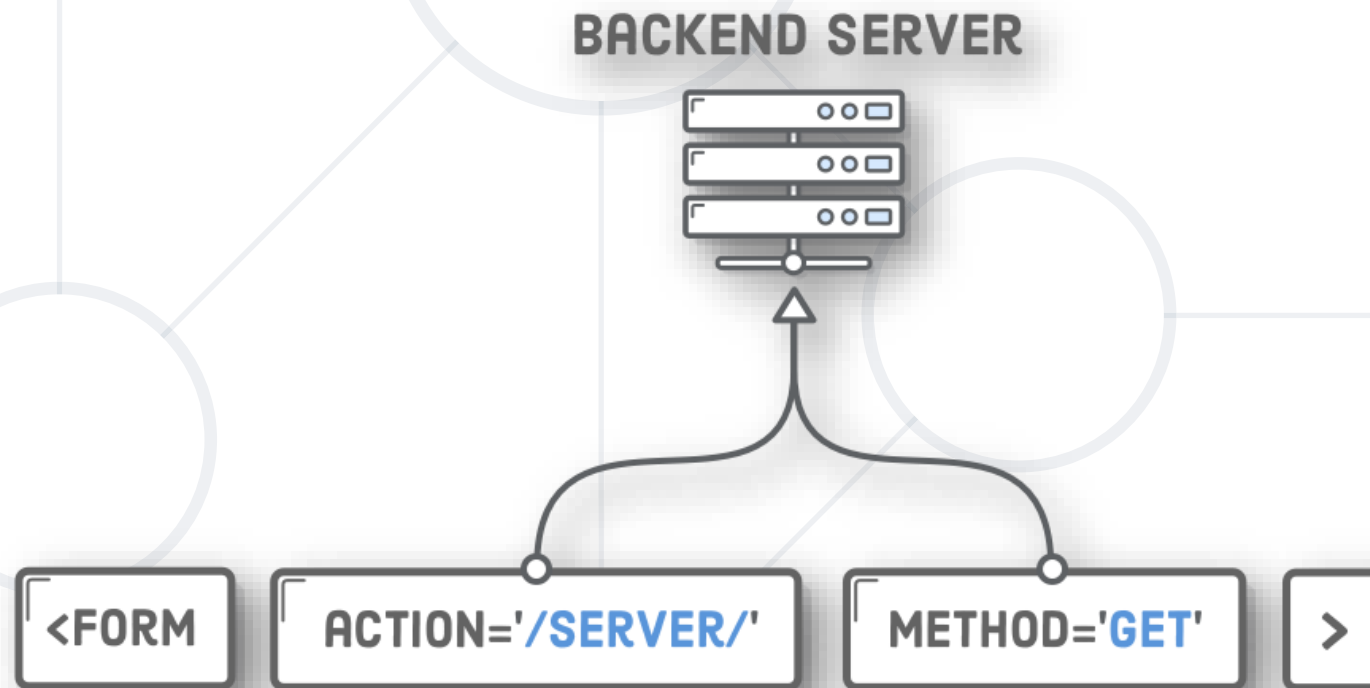
DROPDOWN MENU

Option One ▼

BUTTON

Submit

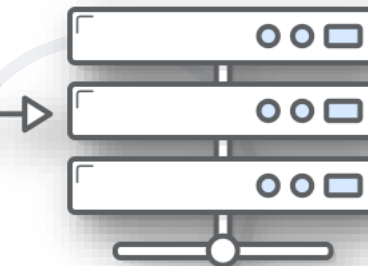
- **Attributes** - Method
  - The HTTP method that the browser uses to submit the form



- Attributes – Method – **Post**
  - Corresponds to the **HTTP POST** method
  - Form data are included in the body of the form and sent to the server

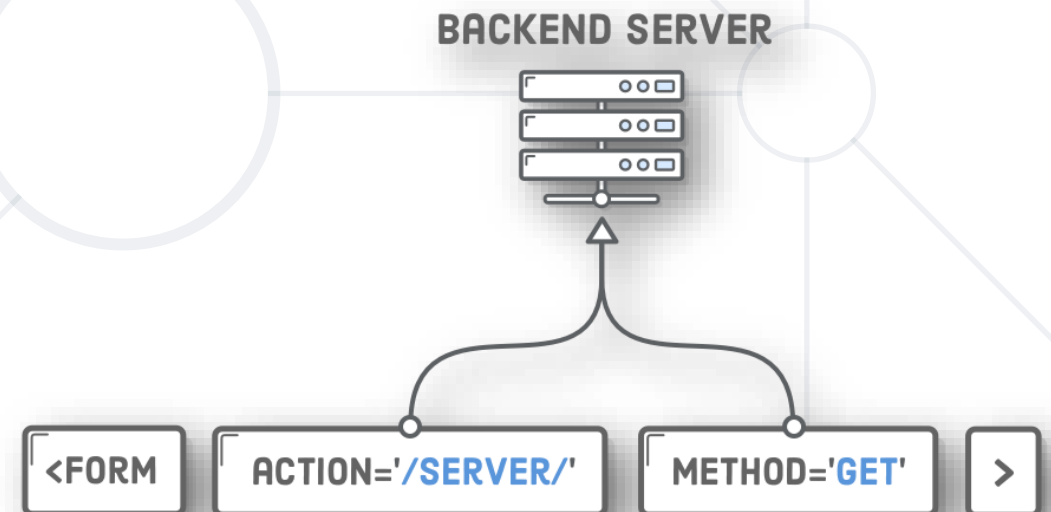


**FORM ELEMENTS**  
(FRONTEND HTML & CSS)



**FORM PROCESSING**  
(BACKEND SERVER)

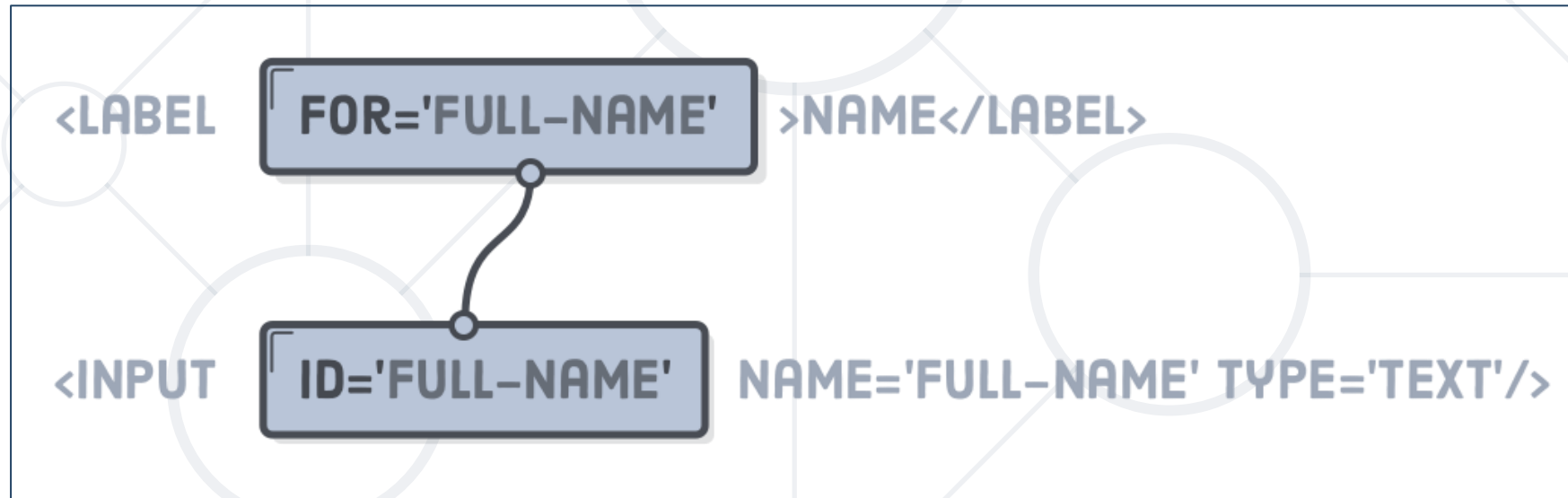
- Attributes – Method – **Get**
  - **get** - Corresponds to the HTTP GET method
    - Form data are appended to the action attribute URI with a '?' as separator, and the resulting URI is sent to the server
  - Use this method when the form has no side-effects and contains only **ASCII characters**





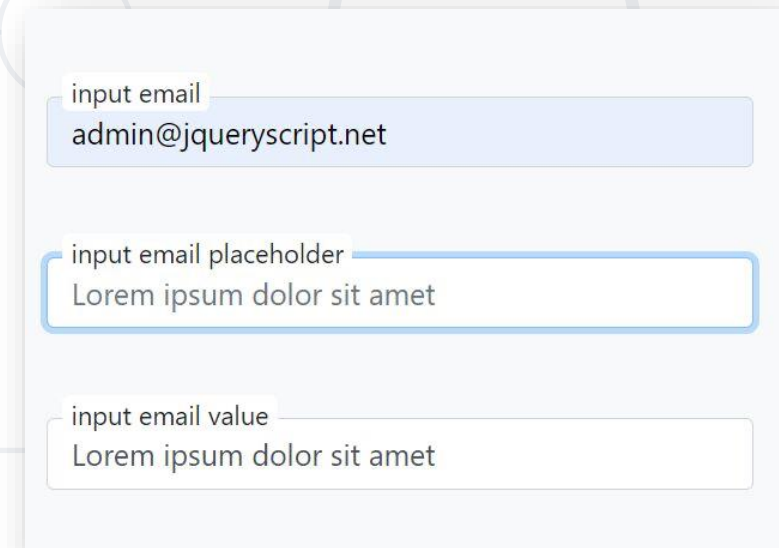
- **Label**

- The HTML label element represents a caption for an item in a user interface



## ■ Label

- The label text is not only visually associated with its corresponding text input
  - It is **programmatically associated** with it too
- You can click the associated label to focus/activate the input, as well as the input itself
- This **increased hit area** provides an advantage to anyone trying to **activate the input**, including those using a touch-screen device



input email  
admin@jqueryscript.net

input email placeholder  
Lorem ipsum dolor sit amet

input email value  
Lorem ipsum dolor sit amet

## ■ Input

- Used to create **interactive controls** for web-based forms in order to accept data from the user
  - A wide variety of types of input data and control widgets are available, depending on the device and user agent
- The **<input>** element is one of the most powerful and complex in all of HTML due to the sheer number of combinations of input types and attributes

### INPUT TYPES IN HTML

<code>&lt;input type="text"&gt;</code>	<input type="text" value="xyz"/>
<code>&lt;input type="password"&gt;</code>	<input type="password" value="*****"/>
<code>&lt;input type="radio"&gt;</code>	No <input checked="" type="radio"/> Yes
<code>&lt;input type="checkbox"&gt;</code>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<code>&lt;input type="button"&gt;</code>	<input type="button" value="Button"/>
<code>&lt;input type="color"&gt;</code>	<input type="color" value="#00bfff"/>
<code>&lt;input type="email"&gt;</code>	<input type="email" value="xyz@gmail.com"/>
<code>&lt;input type="file"&gt;</code>	<input type="file" value="Choose File image.jpg"/>
<code>&lt;input type="hidden"&gt;</code>	<input type="hidden"/>
<code>&lt;input type="image"&gt;</code>	<input type="image" value="Submit Image"/>
<code>&lt;input type="number"&gt;</code>	<input type="number" value="898"/>

## ■ Textarea

- Represents a **multi-line plain-text editing control**, useful when you want to allow users to enter a sizeable amount of free-form text, for example a comment on a **review** or **feedback** form

HTML Demo: <textarea>

RESET

HTML	CSS	OUTPUT
<pre>1 &lt;label for="story"&gt;Tell us your story:&lt;/label&gt; 2 3 &lt;textarea id="story" name="story" rows="5" 4   cols="33"&gt; 5   It was a dark and stormy night... 6 &lt;/textarea&gt;</pre>		<div>Tell us your story:</div> <div><div>It was a dark and stormy night...</div></div>

## ■ Select & Option

- The **<select>** HTML element represents a control that provides a menu of options
- The **<option>** HTML element is used to define an item contained in a **<select>**, an **<optgroup>**, or a **<datalist>** element. As such, **<option>** can represent menu items in popups and other lists of items in an HTML document


HTML Demo: <select> RESET

HTML	CSS	OUTPUT
<pre>1 &lt;label for="pet-select"&gt;Choose a pet:&lt;/label&gt; 2 3 &lt;select name="pets" id="pet-select"&gt; 4   &lt;option value=""&gt;--Please choose an option-- 5   &lt;/option&gt; 6   &lt;option value="dog"&gt;Dog&lt;/option&gt; 7   &lt;option value="cat"&gt;Cat&lt;/option&gt; 8   &lt;option value="hamster"&gt;Hamster&lt;/option&gt; 9   &lt;option value="parrot"&gt;Parrot&lt;/option&gt; 10  &lt;option value="spider"&gt;Spider&lt;/option&gt; 11  &lt;option value="goldfish"&gt;Goldfish&lt;/option&gt; 12 &lt;/select&gt;</pre>		<p>Choose a pet:</p> <p>--Please choose an option-- ▾</p>

## ■ Button

- Interactive element **activated by** a user with a mouse, keyboard, finger, voice command, or other **assistive technology**. Once activated, it then performs an **action**, such as submitting a form or opening a dialog

HTML Demo: <button> RESET

	HTML	CSS	OUTPUT
1	<code>&lt;button class="favorite styled"</code>		
2	<code>type="button"&gt;Add to favorites&lt;/button&gt;</code>		

## ■ Fieldset & Legend

- The HTML fieldset element is used to **group several controls** as well as labels within a web form

HTML Demo: <fieldset> RESET

HTML	CSS	OUTPUT
<pre>1 &lt;form&gt; 2   &lt;fieldset&gt; 3     &lt;legend&gt;Choose your favorite monster&lt;/legend&gt; 4 5     &lt;input type="radio" id="kraken" name="monster" value="K" /&gt; 6     &lt;label for="kraken"&gt;Kraken&lt;/label&gt;&lt;br /&gt; 7 8     &lt;input type="radio" id="sasquatch" name="monster" value="S" /&gt; 9     &lt;label for="sasquatch"&gt;Sasquatch&lt;/label&gt;&lt;br /&gt; 10 11    &lt;input type="radio" id="mothman" name="monster" value="M" /&gt; 12    &lt;label for="mothman"&gt;Mothman&lt;/label&gt; 13  &lt;/fieldset&gt; 14 &lt;/form&gt;</pre>		<div>Choose your favorite monster</div> <div><input type="radio"/> Kraken <input type="radio"/> Sasquatch <input type="radio"/> Mothman</div>

- <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/form>
- [https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/How to structure an HTML form](https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/How_to_structure_an_HTML_form)
- [https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Your first HTML form](https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Your_first_HTML_form)
- [https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Styling HTML forms](https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Styling_HTML_forms)
- <https://css-tricks.com/tips-for-creating-great-web-forms>
- <https://css-tricks.com/options-for-web-forms>



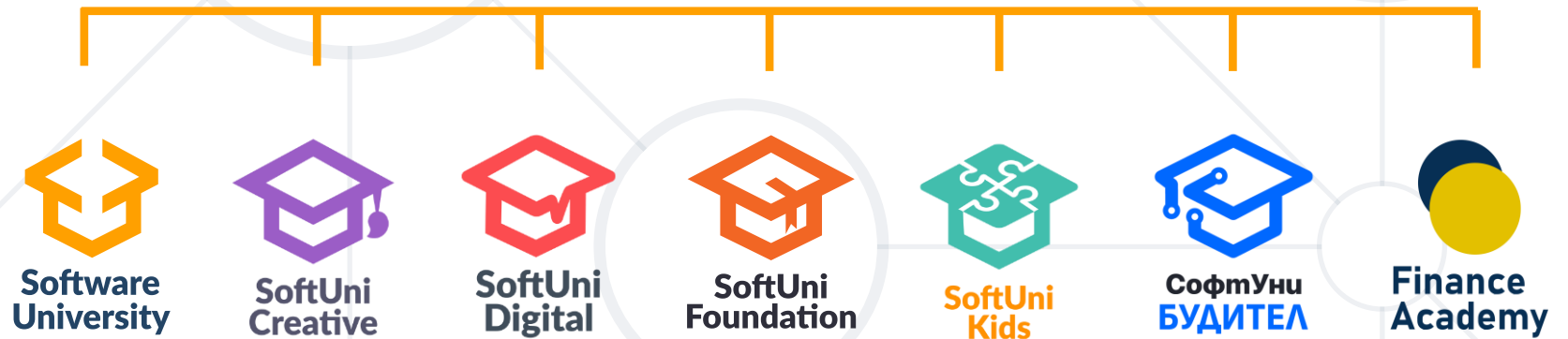
- ***Floating label***

- <https://codepen.io/callmenick/pen/OxpKNZ>
- <https://codepen.io/tonystar/pen/LRdpYZ>
- <https://codepen.io/elujambio/pen/yjwzGP>

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# Questions?



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