

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

DROPDOWN MENU

Option One

CHECKBOXES

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

BUTTON

Submit

SoftUni Team
Technical Trainers



SoftUni



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<https://softuni.bg>

sli.do

#html-css

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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)

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RADIO BUTTONS

- ☐ Option One
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CHECKBOXES

- ☒ Option One
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☒ Option Three

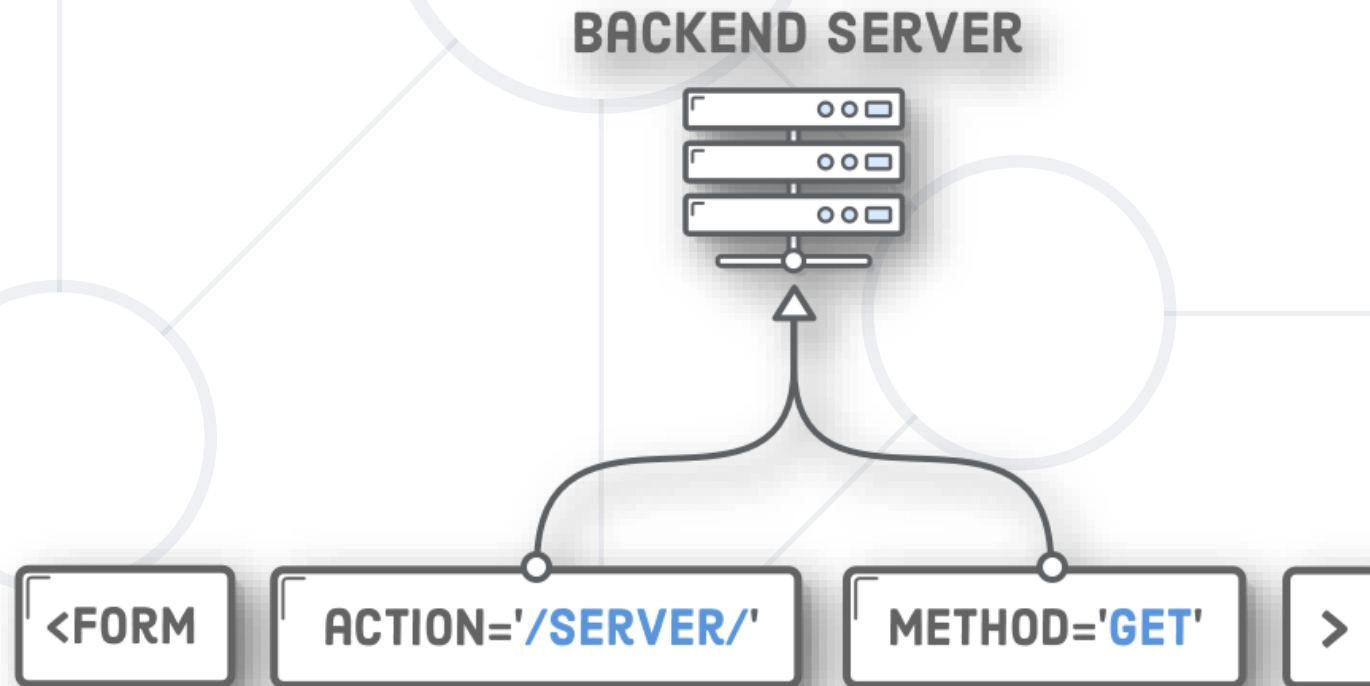
DROPDOWN MENU

Option One ▼

BUTTON

Submit

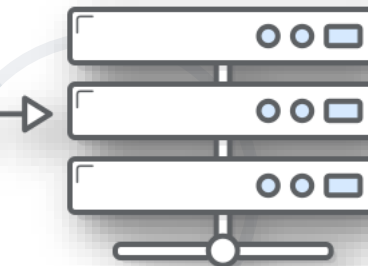
- **Attributes** - Method
 - The HTTP method that the browser uses to submit the form



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

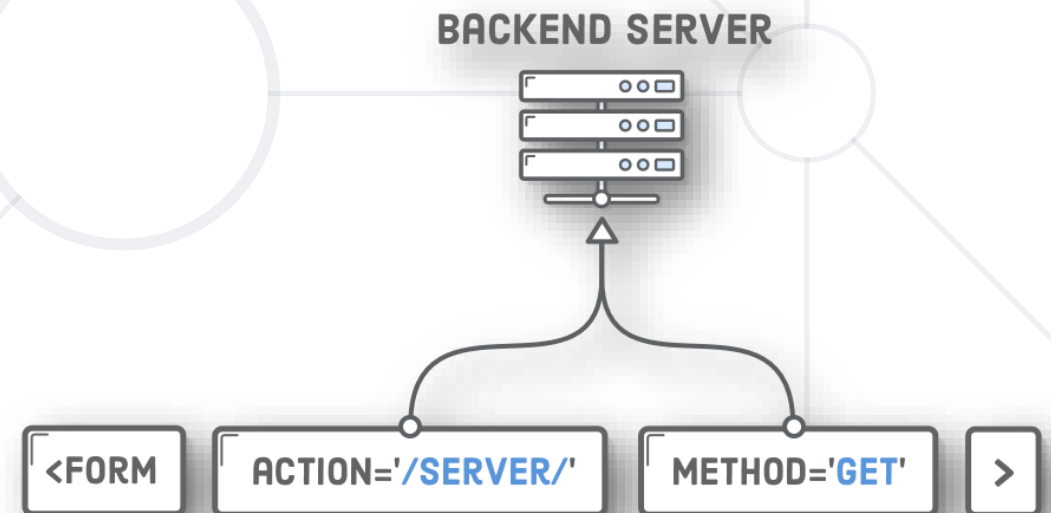


FORM ELEMENTS
(FRONTEND HTML & CSS)



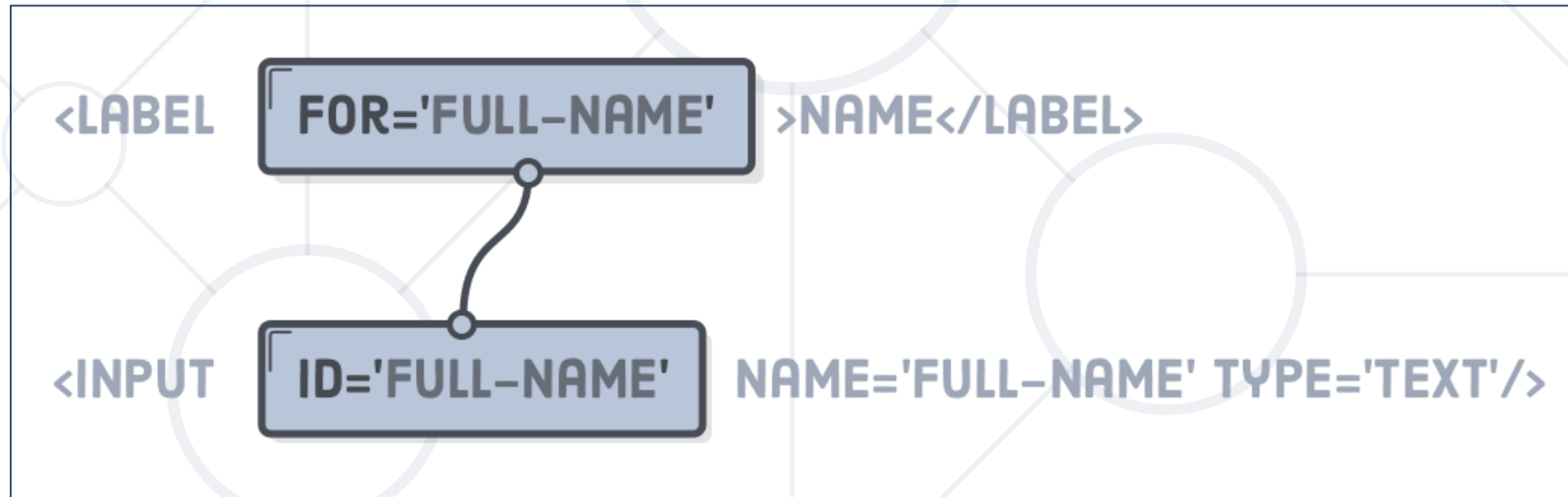
FORM PROCESSING
(BACKEND SERVER)

- 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**



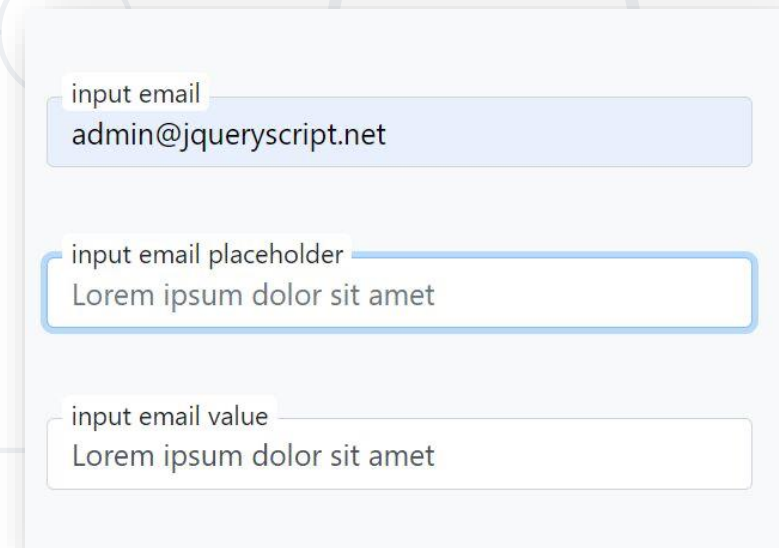
- **Label**

- 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



The diagram illustrates the concept of an increased hit area for HTML form inputs. It shows three input fields, each with a label above it. The labels are highlighted with a light blue background, indicating that clicking on the label will also activate the input field. The first input field is labeled 'input email' and contains the text 'admin@jqueryscript.net'. The second input field is labeled 'input email placeholder' and contains the placeholder text 'Lorem ipsum dolor sit amet'. The third input field is labeled 'input email value' and contains the text '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><input type="text"></code>	<input type="text" value="xyz"/>
<code><input type="password"></code>	<input type="password" value="*****"/>
<code><input type="radio"></code>	No <input checked="" type="radio"/> Yes
<code><input type="checkbox"></code>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<code><input type="button"></code>	<input type="button" value="Button"/>
<code><input type="color"></code>	<input type="color" value="#00bfff"/>
<code><input type="email"></code>	<input type="email" value="xyz@gmail.com"/>
<code><input type="file"></code>	<input type="file" value="Choose File image.jpg"/>
<code><input type="hidden"></code>	<input type="hidden"/>
<code><input type="image"></code>	<input type="image" value="Submit Image"/>
<code><input type="number"></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
1	<label for="story">Tell us your story:</label>		Tell us your story: <div>It was a dark and stormy night...</div>
2			
3	<textarea id="story" name="story" rows="5" cols="33">		
4	It was a dark and stormy night...		
5	</textarea>		
6			

■ 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 <label for="pet-select">Choose a pet:</label> 2 3 <select name="pets" id="pet-select"> 4 <option value="">--Please choose an option-- 5 </option> 6 <option value="dog">Dog</option> 7 <option value="cat">Cat</option> 8 <option value="hamster">Hamster</option> 9 <option value="parrot">Parrot</option> 10 <option value="spider">Spider</option> 11 <option value="goldfish">Goldfish</option> 12 </select></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><button class="favorite styled"</code>		
2	<code>type="button">Add to favorites</button></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 <form> 2 <fieldset> 3 <legend>Choose your favorite monster</legend> 4 5 <input type="radio" id="kraken" name="monster" value="K" /> 6 <label for="kraken">Kraken</label>
 7 8 <input type="radio" id="sasquatch" name="monster" value="S" /> 9 <label for="sasquatch">Sasquatch</label>
 10 11 <input type="radio" id="mothman" name="monster" value="M" /> 12 <label for="mothman">Mothman</label> 13 </fieldset> 14 </form></pre>		<div>Choose your favorite monster</div> <div><input type="radio"/> Kraken</div> <div><input type="radio"/> Sasquatch</div> <div><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>

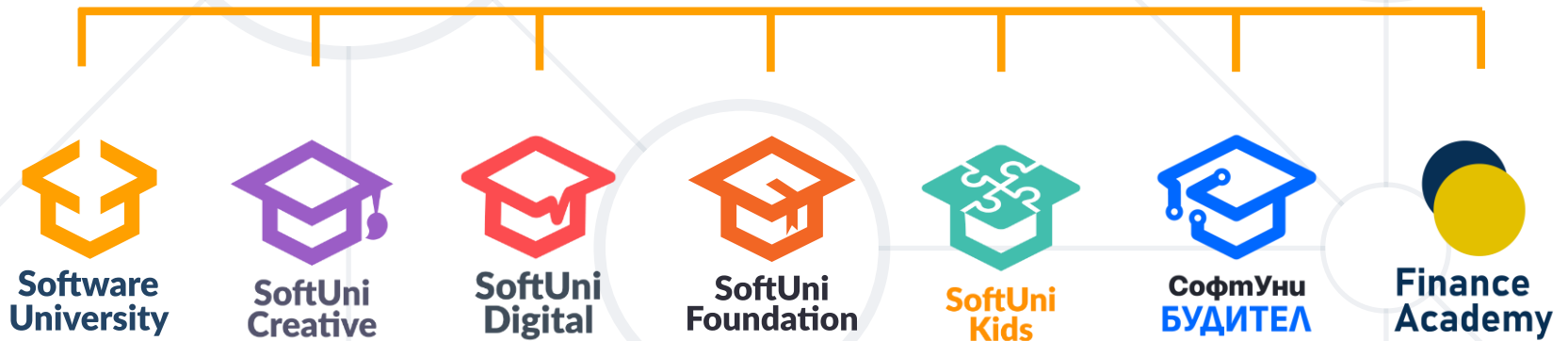
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- Advanced Styling



Questions?



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