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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HTML Forms

HTML Forms

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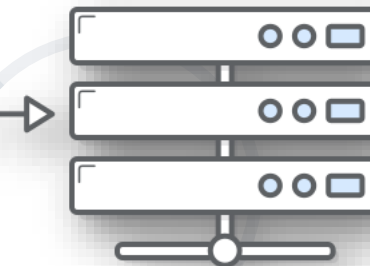
HTML Forms

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

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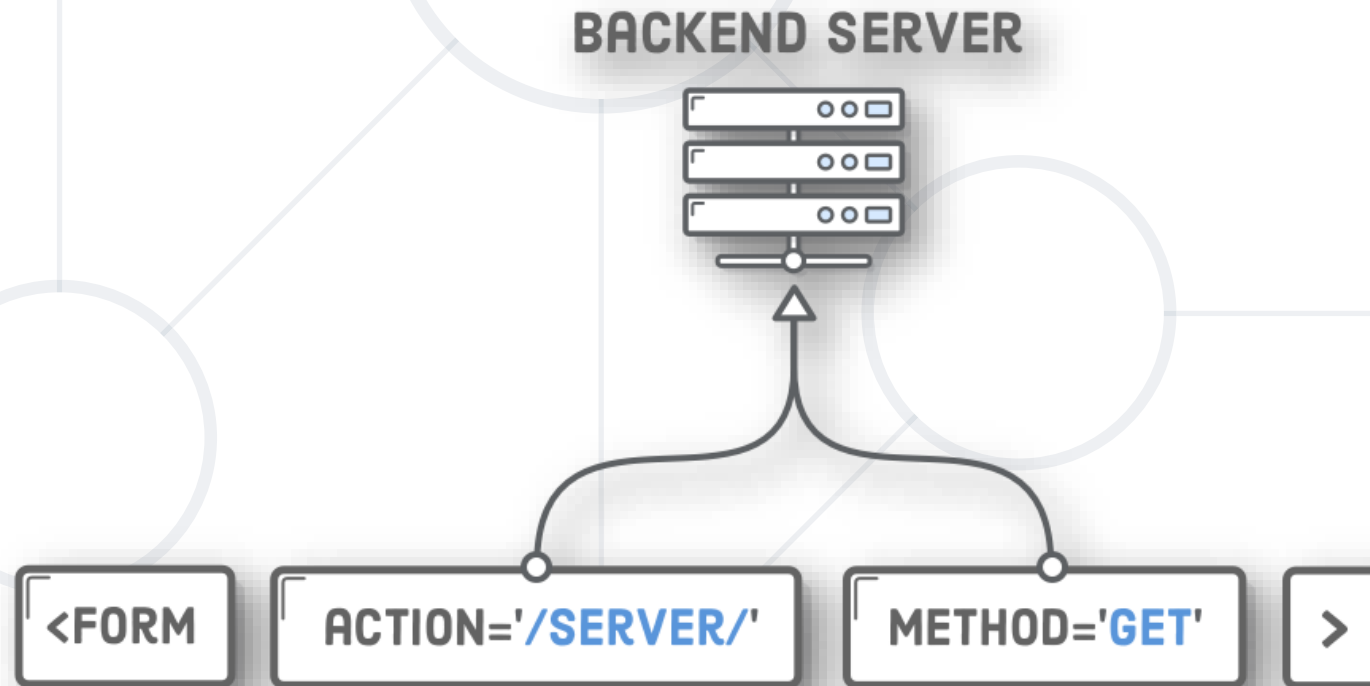
- Attributes – Method – **Post**
  - Corresponds to the **HTTP POST** method
  - Form data are included in the body of the form and sent to the server
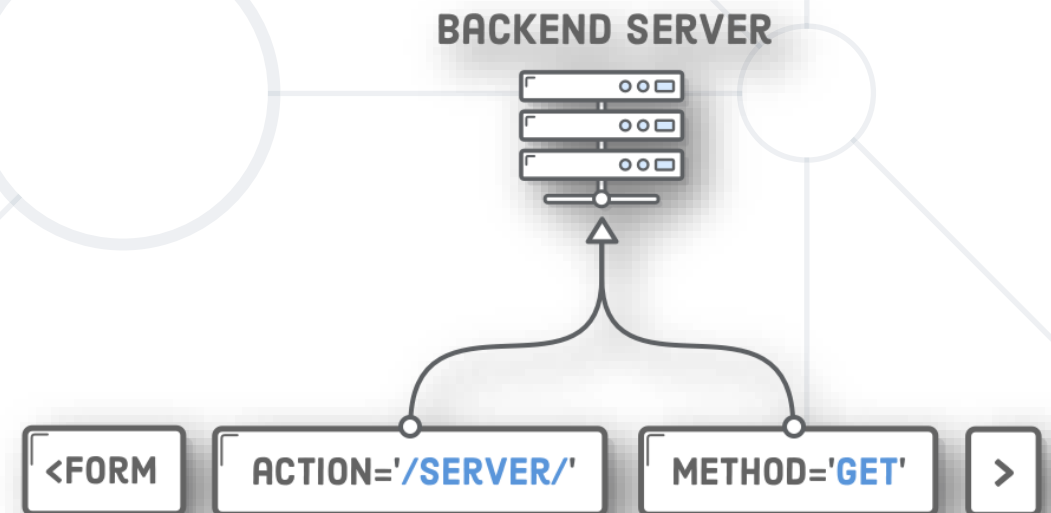

FORM ELEMENTS
(FRONTEND HTML & CSS)

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**

BACKEND SERVER

`<FORM`   `ACTION='/SERVER/'`   `METHOD='GET'`   `>`

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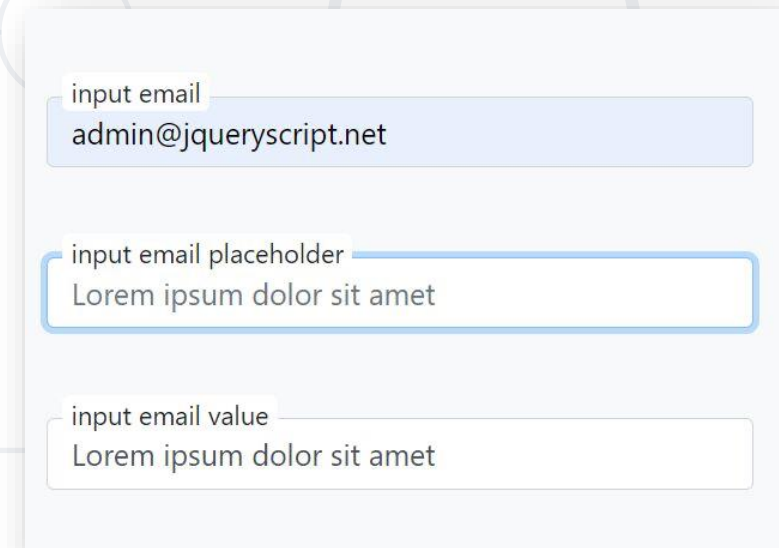
- **Label**

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


```
<LABEL FOR='FULL-NAME' >NAME</LABEL>

<INPUT ID='FULL-NAME' NAME='FULL-NAME' TYPE='TEXT'/>
```
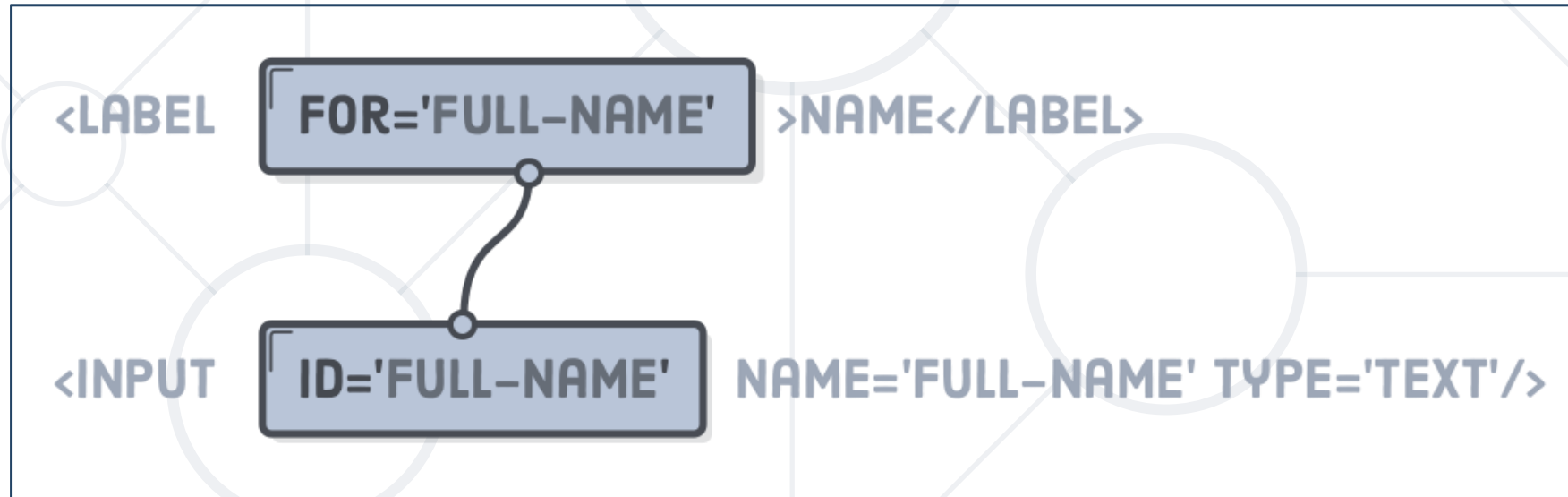
- **Label**

  - 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

`<input type="text">`	xyz
`<input type="password">`	*****
`<input type="radio">`	No ◉ Yes
`<input type="checkbox">`	☐ ☐ ☑
`<input type="button">`	Button
`<input type="color">`	▮▮
`<input type="email">`	xyz@gmail.com
`<input type="file">`	Choose File image.jpg
`<input type="hidden">`	
`<input type="image">`	▪ Submit Image
`<input type="number">`	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 Form – HTML Tags

- **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

- **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

Fieldset & Legend

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

Resources

- 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/Your_first_HTML_form

- 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

Resources

- *Floating label*

  - *https://codepen.io/callmenick/pen/OxpKNZ*

  - *https://codepen.io/tonystar/pen/LRdpYZ*

  - *https://codepen.io/elujambio/pen/yjwzGP*

Summary

- **What are Forms?**

- **How do we Use Them?**

- **Styling a Form**

- **Responsive Forms with Flexbox**

- **Advanced Styling**

Questions?
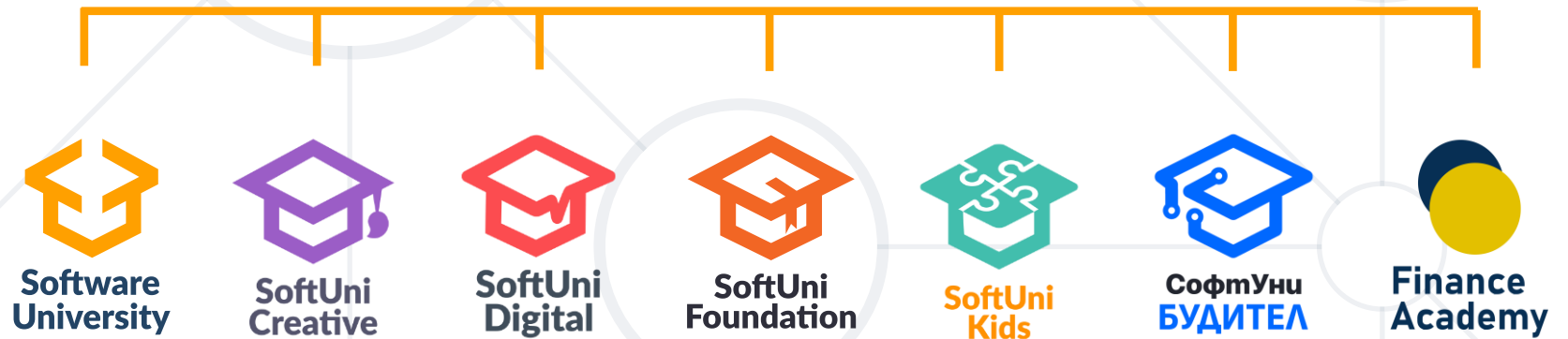
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