

# HTML Forms

Getting User Input



545



# Objectives

- Use the `<form></form>` tag
- Use the `<input>` tag
- Use the `<label></label>` tag
- Write Simple Validations

## New to Twitter? Sign up

Sign up for Twitter



Email or Phone

Password

Log In

☐ Keep me logged in

[Forgot your password?](#)

## Sign Up

It's free and always will be.

### Birthday

Month ▾

Day ▾

Year ▾

[Why do I need to provide my birthday?](#)

☐ Female

☐ Male

By clicking Sign Up, you agree to our [Terms](#) and that you have read our [Data Policy](#), including our [Cookie Use](#).

Sign Up



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# The <form> tag

```
<form action="/my-form-submitting-page" method="post">  
  <!-- All our inputs will go in here -->  
</form>
```

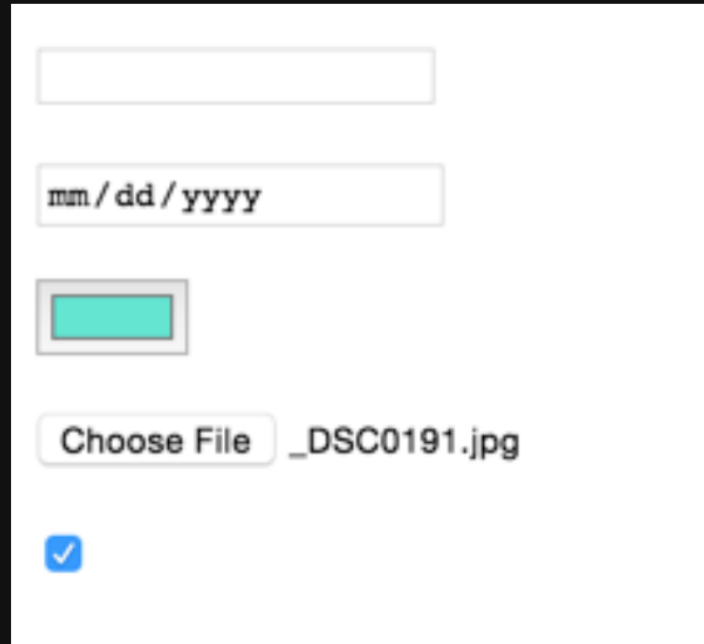
- action - the URL to send form data to
- method - the type of HTTP request

Until we cover Back End JS, our forms won't actually do anything

# The <input> tag

The Input tag creates interactive controls. The "type" attribute determines the type of input

```
<input type="text">  
<input type="date">  
<input type="color">  
<input type="file">  
<input type="checkbox">
```



The image displays five different HTML input controls arranged vertically. From top to bottom: a standard text input field; a date input field showing the placeholder 'mm/dd/yyyy'; a color input field with a small square color picker showing a light blue color; a file input field with a 'Choose File' button and a file name '\_DSC0191.jpg'; and a checkbox that is currently checked, indicated by a blue checkmark inside the box.

# A Simple Form

```
<h1>Sign In</h1>

<form action="/sign-in-url" method="post">
  <input type="text">
  <input type="password">
  <button>Login</button>
</form>
```

**Sign In**

**Sign In**

charlie@brown.edu .....

# Labels

```
<form action="/sign-in-url" method="post">
  <label>Username: <input type="text"></label>
  <label>Password: <input type="password"></label>
  <button>Login</button>
</form>
```

**Sign In**

Username:  Password:

Alternate syntax, using "for" and "id" attributes

```
<form action="/sign-in-url" method="post">
  <label for="username">Username:</label>
  <input id="username" type="text">
  <label for="password">Password:</label>
  <input id="password" type="password">
  <button>Login</button>
</form>
```

# Simple Validations

- The 'required' attribute validates that an input is not empty
- There are also type validations. Try changing "type" from "text" to "email"

```
<form action="/sign-in-url" method="post">
  <label for="email">Email:</label>
  <input id="email" type="email" required>
  <label for="password">Password:</label>
  <input id="password" type="password" required>
  <button>Login</button>
</form>
```

**Sign In**

Email:  Password:

**Sign In**

Email:  Password:



# A More Complicated Form

```
<form action="/some-server-somewhere" method="post">
  <div>
    <label for="name">Text Input:</label>
    <input type="text" id="name" placeholder="Doc Brown" />
  </div>

  <label for="radio-choice-1">Choice 1</label>
  <input type="radio" id="radio-choice-1" value="choice-1" />

  <label for="radio-choice-2">Choice 2</label>
  <input type="radio" id="radio-choice-2" value="choice-2" />

  <div>
    <label for="select-choice">Select Dropdown Choice:</label>
    <select id="select-choice">
      <option value="Dogs">Dogs</option>
      <option value="Cats">Cats</option>
      <option value="Both">Both</option>
    </select>
  </div>

  <div>
    <label for="textarea">Textarea:</label>
    <textarea cols="40" rows="4" id="textarea"></textarea>
  </div>

  <div>
    <label for="checkbox">Checkbox:</label>
    <input type="checkbox" id="checkbox" />
  </div>

  <div>
    <input type="submit" value="Submit" />
  </div>
</form>
```

# The Resulting Form

Text Input:

Choice 1 ☐ Choice 2 ☐

Select Dropdown Choice:  ▾

Textarea:

Checkbox: ☐