



# Website Development

---

IT117 UNIT 7



# Reminders

---

- Make all corrections to your files each week as you receive feedback so your files are ready to go for your final project
  - Do not resubmit. The corrections are for your benefit, to assist your learning, and to prevent losing points for the same error in multiple units
- Be sure to take the Unit 6 quiz by Friday
  - Study guide is posted in a course announcement
- Email me if you have questions or need help
  - Be sure your files you want me to review are uploaded and include your URL in your email so I can view your work and help

# Forms

`<form></form>`

- One tag pair for the entire form
  - Requires the action attribute
  - Requires the method attribute
- 

```
<form action="#" method="post">  
*all form elements go here  
</form>
```

*An alternative value for the method attribute is "get". The get value is not appropriate when sensitive data is entered into the form, so it is best to always use post.*

# Input Tag

## <input type="value">

---

- Common values for the input type:

- text                      email
- tel                        radio
- checkbox                number
- submit                    reset
- button                    password
- date                      time

```
<input type="email" name="email">
```

```
<input type="text" name="last_name">
```

```
<input type="tel" name="phone">
```

- Requires the name attribute (except submit and reset types)
- Depending on the type, could require the value attribute

# Textarea Tag

---

`<textarea></textarea>`

- Creates a text input box allowing more input from the user than a standard text input field
- Required attributes:
  - rows
  - cols
  - name

```
<label>Comments:</label>
```

```
<br>
```

```
<textarea name="comments" rows="15" cols="50"></textarea>
```

Comments:

# Label Tag

`<label></label>`

- Supports and formats (with CSS) text that is used within a form to label form elements

First Name:

```
<label>First Name:</label>
```

```
<input type="text" name="first_name">
```

# The autocomplete Attribute

---

- The autocomplete attribute has two values
  - on
  - off
- Used in a form tag (or a form element tag), can turn autocomplete on or off for users

```
<form action="#" method="post" autocomplete="on">
```

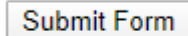
```
<input type="email" name="email" autocomplete="off">
```

# Submit Button

---

- Use the `<input>` tag with the type attribute
  - Set type to submit
- Include value attribute to apply a label to the button

```
<input type="submit" value="Submit Form">
```

A rectangular button with a light gray border and the text "Submit Form" centered inside.



```
<h2>Tell Us What You Think:</h2>

<form action="#" method="post" autocomplete="on">

<label>First Name:</label>
<input type="text" name="fname">

<br><br>

<label>Last Name:</label>
<input type="text" name="lname">

<br><br>

<label>Email:</label>
<input type="email" name="email" autocomplete="off">

<br><br>
<label>Telephone:</label>
<input type="tel" name="phone">

<br><br>

<label>Comments:</label>
<textarea rows="10" cols="30" name="comments"></textarea>

<br><br>

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

# Sample Form

## Tell Us What You Think:

First Name:

Last Name:

Email:

Phone:

Comments:

# The for and id attributes - Optional

---

- The for attribute can be added to a label tag
  - Users who cannot see the form will use a screen reader to assist them
  - “Linking” the label to the element helps identify what data should be entered into an element
  - Requires a matching ID in the form element linked to the label
    - An ID can only be used one time per page
- Must follow ID naming conventions
  - No capital letters allowed
  - No spaces allowed

## Examples:

```
<label for="fname">  
<input type="text" name="first_name" id="fname">
```

```
<label for="comments">  
<textarea name="comments" id="comments" cols="65" rows="35"></textarea>
```

# Avoid placeholder text

---

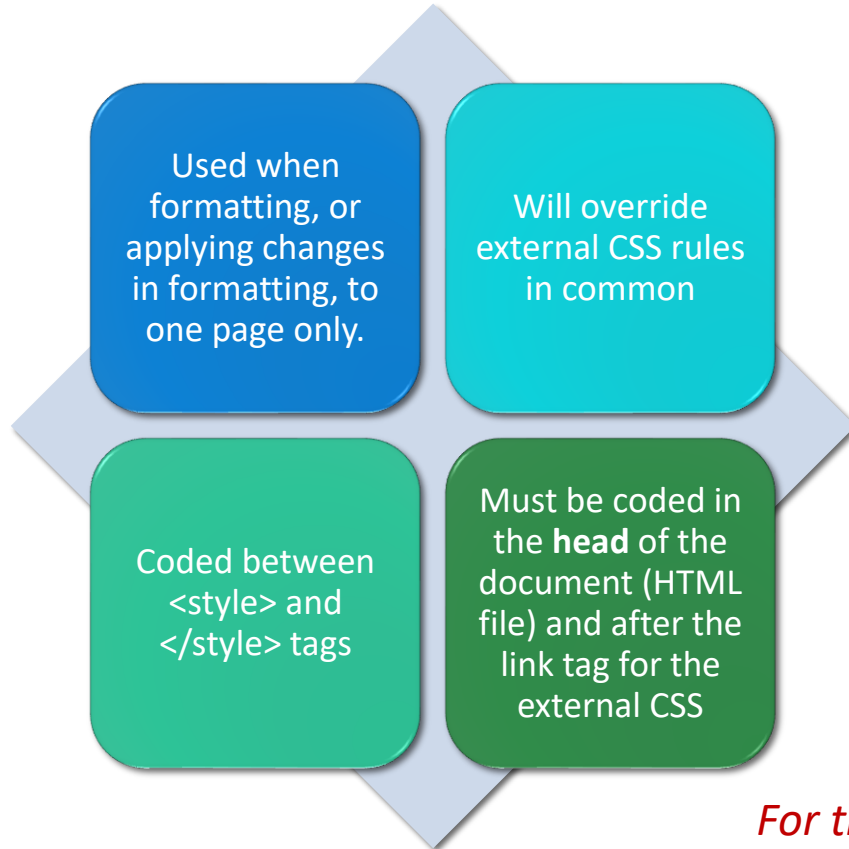
*Why do you think we should **avoid** placeholder text in our form elements?*

Sample text input with placeholder text:

Sample textarea element with placeholder text:

# Internal CSS

---



*For this class, **all form formatting** must be in the internal CSS of the `contactus.html` file. **All non-form CSS** must be in `styles.css`*

# Formatting Form with Internal CSS

---

- Selectors:
  - form
  - input
  - textarea
  - label
- *Classes and IDs can be written and applied within the form if needed, (i.e. you need to apply formatting to a single label), but direct selectors should be used whenever possible.*

```
<head>

<title>Joe's Grill - Contact Us</title>
<link rel="stylesheet" type="text/css" href="styles.css">
<style>

form {
width: 80%;
margin: 0 auto;
padding: 10px;
}

input, textarea {
display: block;
margin-bottom: 10px;
}

</style>
</head>

<body>
```

To format a specific type of input tag:

```
input[type=xxx] { }
```

*\*Replace xxx with the type you wish to format*

**For example:**

```
input[type=email] {  
background-color: #800000;  
}
```

```
input[type=radio], input[type=checkbox] {  
padding: 5px;  
display: inline-block;  
}
```

```
input[type=text] {  
margin-left: 10%;  
width: 80%;  
}
```

# Unit 7 Assignment

---

Create a new page using the template as a starting point

Name the new page `contactus.html` and add title and h1 heading

Code an h2 heading on the page (after `<main>`) giving the user directions for the form

Code a form in the main section of the `contactus.html` page.

Add an internal CSS to the head of the `contactus.html` page

Format the elements per the rubric

*Don't forget to link the external stylesheet to `contactus.html` using the link tag*

# Required Form Elements

---

An h2 heading before the form with instructions for the user

The form tag with action and method attributes

- With autocomplete turned on

A label and text field requesting user's first name

A label and text field requesting user's last name

A label and email field requesting user's email address

- With autocomplete turned off

A label and telephone field requesting user's phone number

A textarea for comments

A submit button

*The submit button must be coded using the submit type input, not a button element*



# Required Internal CSS

---

Format **at least two** of the following by correctly coding in the internal CSS of the Contact Us page:

Background color of form.

Background color of input tags.

Border color of input tags.

Font type for text in form.

Font color for text in form.

- All form CSS must be in the internal stylesheet of `contactus.html`
- All non-form CSS must be in `styles.css`



# Wrap-Up

---

Questions?