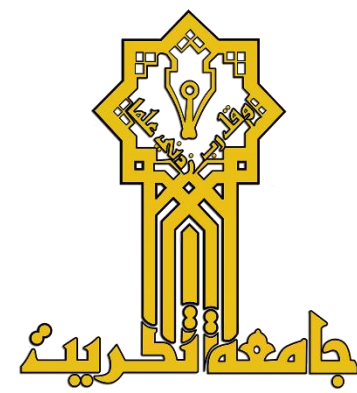




WEB PROGRAMMING



Department of Computer Sciences
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First stage
Semester: Two

Lecture - 8

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Margin and Padding in html

In HTML and CSS, margin and padding are both properties used to control the spacing around elements, but they serve slightly different purposes:

- **Margin:**

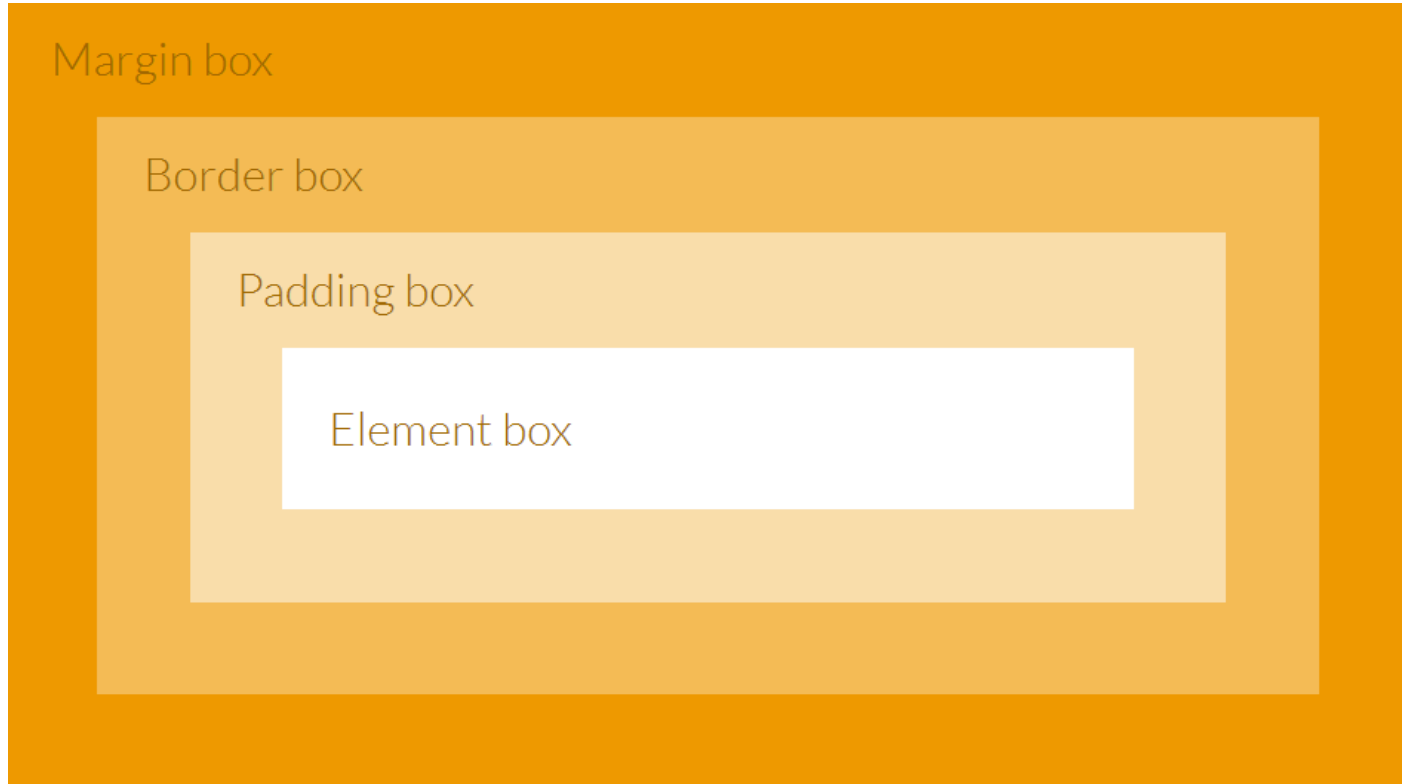
- Margin is the space outside the border of an element.
- It affects the positioning of the element relative to its parent and neighboring elements.
- Adding margin pushes neighboring elements away from the element's borders.
- Margin can be set using properties like margin-top, margin-right, margin-bottom, and margin-left. You can also use the shorthand margin property to set all margins at once.
- Margin can accept various units like pixels, percentages, etc.

Margin and Padding in html

- **Padding:**

- Padding is the space between the content of an element and its border.
- It does not affect the positioning of the element itself, only the space inside the element.
- Adding padding increases the space inside the element's borders.
- Padding can be set using properties like padding-top, padding-right, padding-bottom, and padding-left. You can also use the shorthand padding property to set all paddings at once.
- Like margin, padding can accept various units.

Margin and Padding in html



Margin and Padding in html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Margin and Padding</title>
</head>
<body>
  <p style="margin-top: 10px; border: 2px solid
black;">Margin Top</p>
  <p style="margin-bottom: 20px; border: 2px solid
black;">Margin Bottom</p>
  <p style="margin-right: 30px; border: 2px solid
black;">Margin Right</p>
  <p style="margin-left: 40px; border: 2px solid
black;">Margin Left</p>
  <p style="padding-top: 10px; border: 2px solid
black;">Padding Top</p>
  <p style="padding-bottom: 20px; border: 2px solid
black;">Padding Bottom</p>
  <p style="padding-right: 30px; border: 2px solid
black;">Padding Right</p>
  <p style="padding-left: 40px; border: 2px solid
black;">Padding Left</p>
</body>
</html>
```

Margin Top

Margin Bottom

Margin Right

Margin Left

Padding Top

Padding Bottom

Padding Right

Padding Left

HTML – Button

The `<button>` HTML element is indeed an interactive element used to create clickable buttons on web pages. When a user interacts with it, such as by clicking or tapping, it triggers an action specified by the developer. This action could be anything from submitting a form to triggering a JavaScript function to open a dialog box or perform any other desired task. The `<button>` element is versatile and commonly used for various interactive purposes in web development.

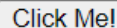
```
<!DOCTYPE html>
<html>
<body>

<h1>The button Element</h1>

<button type="button">Click Me!</button>

</body>
</html>
```

The button Element



Click Me!

HTML – Button

```
<!DOCTYPE html>
<html>
  <body>
    <button style="background-color:red; border-color:blue; color:white">Button Text1</button>

    <button style="background-color: #04AA6D; color:white">Button Text2</button>

    <button style="background-color: #008CBA; color:white">Button Text3</button>

    <button style="background-color: #004f36; color:white">Button Text4</button>

    <button style="background-color: #e7e7e7; color:white">Button Text5</button>

    <button style="background-color: #555555; color:white">Button Text6</button>
    <br>
    <br>
    <button style="background-color:green; border-color:red; color:white">Button Text7</button>

    <button style="background-color: #04FA6D; color:white">Button Text8</button>

    <button style="background-color: #0D8CBA; color:white">Button Text9</button>

    <button style="background-color: #fa1356; color:white">Button Text10</button>

    <button style="background-color: #eF11a7; color:white">Button Text11</button>

    <button style="background-color: #aaff15; color:white">Button Text12</button>
  </body>
</html>
```



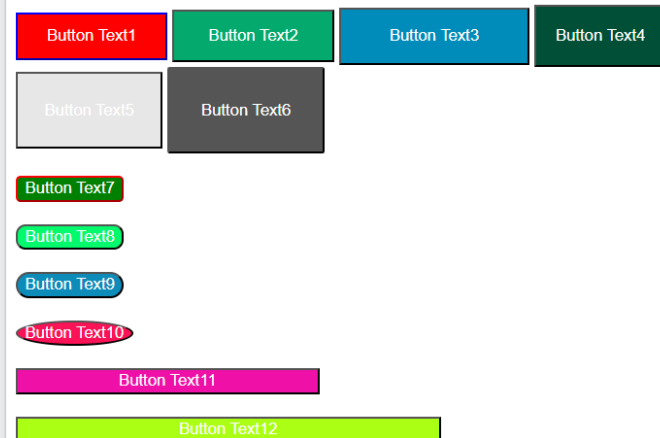
HTML – Button

```
<!DOCTYPE html>
<html>
  <body>
    <button style="background-color:red; border-color:blue; color:white; padding: 10px 24px;">Button Text1</button>

    <button style="background-color: #04AA6D; padding: 12px 28px; color:white">Button Text2</button>
    <button style="background-color: #008CBA; padding: 14px 40px; color:white">Button Text3</button>
    <button style="background-color: #004f36; padding: 16px 16px; color:white">Button Text4</button>

    <button style="background-color: #e7e7e7; padding: 22px; color:white">Button Text5</button>

    <button style="background-color: #555555; padding: 26px; border-radius: 2px; color:white">Button Text6</button>
    <br> <br>
    <button style="background-color:green; border-color:red; border-radius: 4px; color:white">Button Text7</button>
    <br> <br>
    <button style="background-color: #04FA6D; border-radius: 8px; color:white">Button Text8</button>
    <br> <br>
    <button style="background-color: #008CBA; border-radius: 12px; color:white">Button Text9</button>
    <br> <br>
    <button style="background-color: #fa1356; border-radius: 50%; color:white">Button Text10</button>
    <br> <br>
    <button style="background-color: #eF11a7; width: 250px; color:white">Button Text11</button>
    <br> <br>
    <button style="background-color: #aaff15; width: 350px; color:white">Button Text12</button>
  </body>
</html>
```



HTML – Form

- The `<form>` HTML element represents a document section containing interactive controls for submitting information.
- An HTML form is used to collect user input. The user input is most often sent to a server for processing.

```
<!DOCTYPE html>
<html>
<body>

<h1>The form element</h1>

<form action="/action_page.php">
  <label>First name:</label>
  <input type="text"><br><br>
  <label >Last name:</label>
  <input type="text"><br><br>
  <input type="submit" value="Submit">
</form>

<p>Click the "Submit" button and the form-data
will be sent to a page on the
server called "action_page.php".</p>

</body>
</html>
```

The form element

First name:

Last name:

Click the "Submit" button and the form-data will be sent to a page on the server called "action_page.php".

HTML – Form

The `<form>` element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

The HTML `<input>` element is the most used form element.

An `<input>` element can be displayed in many ways, depending on the type attribute.

Here are some examples:

Type	Description
<code><input type="text"></code>	Displays a single-line text input field
<code><input type="radio"></code>	Displays a radio button (for selecting one of many choices)
<code><input type="checkbox"></code>	Displays a checkbox (for selecting zero or more of many choices)
<code><input type="submit"></code>	Displays a submit button (for submitting the form)
<code><input type="button"></code>	Displays a clickable button

HTML – Form

```
<!DOCTYPE html>
<html>
<body>

<h1>The input element</h1>

<form action="/action_page.php">
  <label for="fname">First name:</label>
  <input type="text" id="fname" name="fname">
<br><br>
  <label for="lname">Last name:</label>
  <input type="text" id="lname" name="lname">
<br><br>
  <input type="submit" value="Submit">
</form>

<p>Click the "Submit" button and the form-data
will be sent to a page on the
server called "action_page.php".</p>

</body>
</html>
```

The input element

First name:

Last name:

Click the "Submit" button and the form-data will be sent to a page on the server called "action_page.php".

HTML – Form

```
<!DOCTYPE html>
<html>
<body>

<h1>The select element</h1>

<p>The select element is used to create a
drop-down list.</p>

<form action="/action_page.php">
  <label for="cars">Choose a car:</label>
  <select name="cars" id="cars">
    <option value="volvo">Volvo</option>
    <option value="saab">Saab</option>
    <option value="opel">Opel</option>
    <option value="audi">Audi</option>
  </select>
  <br><br>
  <input type="submit" value="Submit">
</form>

<p>Click the "Submit" button and the form-data
will be sent to a page on the
server called "action_page.php".</p>

</body>
</html>
```

The select element

The select element is used to create a drop-down list.

Choose a car:

- Volvo
- Saab
- Opel
- Audi

Click the "Submit" button and the form-data will be sent to a page on the server called "action_page.php".

HTML – Form

```
<!DOCTYPE html>
<html>
<body>

<h1>The optgroup element</h1>

<p>The optgroup tag is used to group related
options in a drop-down list:</p>

<form action="/action_page.php">
  <label for="cars">Choose a car:</label>
  <select name="cars" id="cars">
    <optgroup label="Swedish Cars">
      <option value="volvo">Volvo</option>
      <option value="saab">Saab</option>
    </optgroup>
    <optgroup label="German Cars">
      <option
value="mercedes">Mercedes</option>
      <option value="audi">Audi</option>
    </optgroup>
  </select>
  <br><br>
  <input type="submit" value="Submit">
</form>

</body>
</html>
```

The optgroup element

The optgroup tag is used to group related options in a drop-down list:

Choose a car:

- Swedish Cars**
 - Volvo
 - Saab
- German Cars**
 - Mercedes
 - Audi

HTML – Form

```
<!DOCTYPE html>
<html>
<body>

<h1>The textarea element</h1>

<form action="/action_page.php">
  <p><label for="review">Review of Web Programming:
</label></p>
  <textarea id="review" name="review" rows="4"
cols="50">At Computer Science you will learn how to make
a website.</textarea>
  <br>
  <input type="submit" value="Submit">
</form>

<p>Click the "Submit" button and the form-data will be
sent to a page on the
server called "action_page.php".</p>

</body>
</html>
```

The textarea element

Review of Web Programming:

At Computer Science you will learn how to make a website.

Submit

Click the "Submit" button and the form-data will be sent to a page on the server called "action_page.php".

HTML – Form

```
<!DOCTYPE html>
<html>
<body>

<h1>The fieldset element</h1>

<form action="/action_page.php">
  <fieldset>
    <legend>Personality:</legend>
    <label for="fname">First name:</label>
    <input type="text" id="fname" name="fname">
  <br><br>
    <label for="lname">Last name:</label>
    <input type="text" id="lname" name="lname">
  <br><br>
    <label for="email">Email:</label>
    <input type="email" id="email" name="email">
  <br><br>
    <label for="birthday">Birthday:</label>
    <input type="date" id="birthday"
name="birthday"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
</form>

</body>
</html>
```

The fieldset element

Personality:

First name:

Last name:

Email:

Birthday:

HTML – Form

```
<!DOCTYPE html>
<html>
<body>

<h1>The label element</h1>

<p>Click on one of the text labels to toggle
the related radio button:</p>

<form action="/action_page.php">
  <input type="radio" id="html"
name="fav_language" value="HTML">
  <label for="html">HTML</label><br>
  <input type="radio" id="css"
name="fav_language" value="CSS">
  <label for="css">CSS</label><br>
  <input type="radio" id="javascript"
name="fav_language" value="JavaScript">
  <label for="javascript">JavaScript</label>
<br><br>
  <input type="submit" value="Submit">
</form>

</body>
</html>
```

The label element

Click on one of the text labels to toggle the related radio button:

- HTML
- CSS
- JavaScript

Submit

HTML - Form

```
<!DOCTYPE html>
<html>
<body>

<h1>Form with checkboxes</h1>

<form action="/action_page.php" method="get">
  <input type="checkbox" name="vehicle1" value="Bike">
  <label for="vehicle1"> I have a bike</label><br>
  <input type="checkbox" name="vehicle2" value="Car">
  <label for="vehicle2"> I have a car</label><br>
  <input type="checkbox" name="vehicle3" value="Boat" checked>
  <label for="vehicle3"> I have a boat</label><br><br>
  <input type="submit" value="Submit">
</form>

</body>
</html>
```

Form with checkboxes

- I have a bike
- I have a car
- I have a boat

Submit

HTML – Form (Class Assignment)

Computer Science Student Form

Name:

Email:

Gender:

Programming Languages (Check all that apply):

- Java
- Python
- C#
- JavaScript
- C++

Years of Programming Experience:

Interests:

More References Used

- <https://www.htmldog.com/guides/css/beginner/margins/>
- https://www.w3schools.com/tags/tag_button.asp
- <https://turretcss.com/element/button-icon/>
- <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/button>
- https://www.w3schools.com/html/html_forms.asp



THANK YOU