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Dynamic HTML Basics

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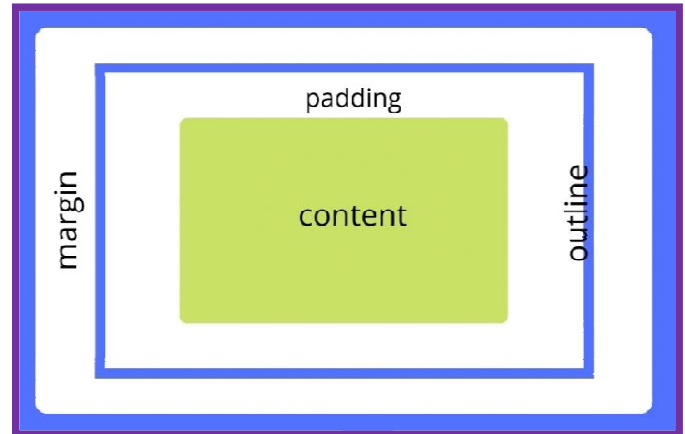
Module 9 - Using Outline in CSS

Outline

The outline property in CSS draws a line around an element, outside its border.

It does not take up space or affect the element's layout. It's commonly used to indicate focus (e.g. on buttons or input fields).

Syntax: outline: width style color; (e.g. outline: 2px solid blue;).



CSS outline properties:

- **outline**
Shorthand to set width, style, and color in one line.
Example: outline: 2px solid red;
- **outline-width**
Sets the thickness of the outline.
Values: thin, medium, thick, or specific units like 2px.
- **outline-style**
Defines the line style.
Values: solid, dotted, dashed, double, groove, ridge, inset, outset, none.
- **outline-color**
Sets the color of the outline.
Values: Named colors, hex, RGB, HSL, etc.
- **outline-offset**
Adds space between the border and the outline.
Example: outline-offset: 5px;

Why do we use Outline in CSS?

- **Accessibility & Focus Indication**
To highlight elements (like buttons or input fields) when they're focused, helping keyboard and screen reader users navigate the page.
- **Visual Emphasis**
To draw attention to an element without affecting layout or spacing, unlike borders.

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▪ **Debugging**

Developers often use outlines to visually mark elements during development without shifting surrounding content.

▪ **Custom UI Styling**

Useful in form elements where you want focus styles but without modifying element size or positioning.

Difference Between Border and Outline

| Feature | border | outline |
|------------------------|---------------------|--------------------------|
| Affects layout | Yes | No |
| Can be rounded | Yes (border-radius) | No |
| Takes up space | Yes | No |
| Used for accessibility | Not usually | Often (focus indicators) |

Outline Styles

- The outline-style property in CSS defines the appearance of an element's outline.
- It controls whether the outline is solid, dotted, dashed, double, or none, among others.
- Unlike borders, outlines don't affect layout or element size.
- It's often used with outline-width and outline-color to style focus indicators.

CSS Outline Style

The `outline-style` property specifies the style of the outline, and can have one of the following values:

- `dotted` - Defines a dotted outline
- `dashed` - Defines a dashed outline
- `solid` - Defines a solid outline
- `double` - Defines a double outline
- `groove` - Defines a 3D grooved outline
- `ridge` - Defines a 3D ridged outline
- `inset` - Defines a 3D inset outline
- `outset` - Defines a 3D outset outline
- `none` - Defines no outline
- `hidden` - Defines a hidden outline

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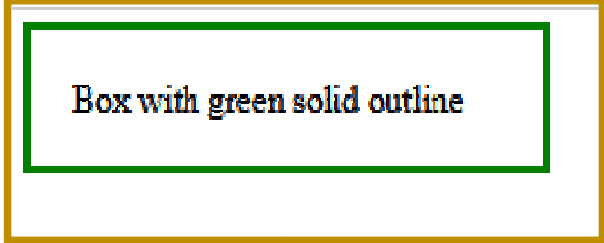
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Outline Code with Internal CSS

```
<!DOCTYPE html>
<html>
<head>
<style>
  .box {
    width: 200px;
    padding: 20px;
    outline-width: 3px;
    outline-style: solid;
    outline-color: green;
  }
</style>
</head>
<body>
  <div class="box">Box with green solid outline</div>
</body>
</html>
```



Assignment

You need to take 3 div elements:

- The first div should have:
- Outline color: orange
- Outline style: double
- The second div should have:
- Outline color: orange
- Outline style: groove
- The third div should have:
- Background color: blue
- Outline style: dashed

