

CSS_Session_1_ITF_08

css2

Training Clarusway

Pear Deck - November 20, 2021 at 3:39PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1

CSS - Session - 1



- CSS
- Using CSS
- Getting into CSS

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Use this space to take notes:

Slide 2	Your Response
 What does CSS stand for?	 Answer 1: ???

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Interactive Slides, write your response!

Pear Deck Interactive Slide
The best interactive slide.

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Slide 3	
 Introduction to CSS	 


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Slide 4

Table of Contents



- ▶ What is CSS?
- ▶ History of CSS
- ▶ Why Use CSS
- ▶ CSS Syntax



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Slide 5



▶ What is CSS?



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► What is CSS?

Cascading Style Sheets



```
body {  
    font: x-small  
    background: #  
    color: black;  
    margin: 0;  
    padding: 0;
```



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► What is CSS?



CSS helps elements how to be displayed on the web.

CSS files are the external style sheets which consists of the styles for HTML file.

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► What is CSS?



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JavaScript	CSS	HTML
<script type="text/javascript">	<style> Body { Color:... ul{mylist { font-family	<html> <head>... <body> <h1> <h2> <p>...</p>

Behavior Presentation Content & Structure



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Slide 9



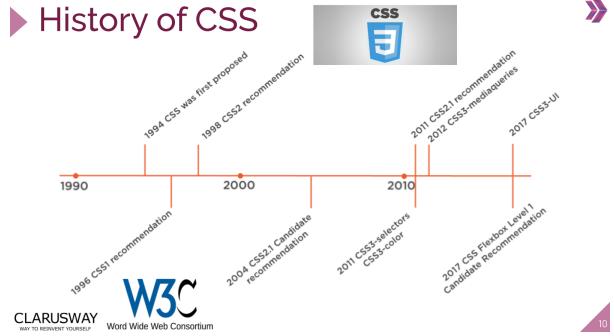
► History of CSS

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► History of CSS



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► Why Use CSS

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► Why Use CSS



CSS is used to style your web pages. Using CSS you will be able to put out pages with much less work, that load much faster, and will be easy to update and print!

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► CSS Syntax

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Your Response

You Chose
• **False**

Other Choices



- True

Basic CSS rule consists of a selector, a declaration and a style.



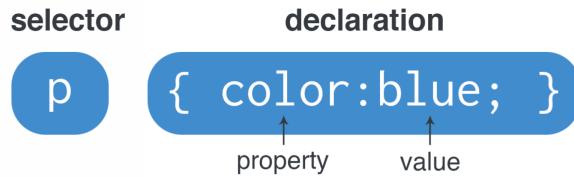
Students choose an option

Peer Deck Interactive Slide
Do not remove this slide

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► CSS Syntax



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► Use of CSS

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Table of Contents ►

- ▶ Inline CSS
- ▶ Internal CSS
- ▶ External CSS file
- ▶ Multiple Styles and Cascade Rule



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► Inline CSS

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► Inline CSS



For any single element in the HTML file can have inline styles. For inline styling, the **style** attribute is used.

```
HTML
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <p style="color: blue;">Hello World</p>
5   </body>
6 </html>
```

Hello World



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► Internal CSS

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► Internal CSS

For any single HTML file, internal styles can be used. The internal styles are written inside the `<style>` section of the HTML page.

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```
• HTML
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <style>
5       body {
6         background-color: yellow;
7       }
8       p {
9         color: blue;
10      }
11     </style>
12   </head>
13   <body>
14     <p>Hello World.</p>
15   </body>
16 </html>
```



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► External CSS file

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► External CSS file



- The styles can be located in a different file, so with an external style sheet, the design of the website can be changed from this file.
- To include an external stylesheet, `<link>` element must be used as a reference to the external style sheet in the `<head>` section of the HTML page.

```
• HTML
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="file.css">
  </head>
  <body>
    <p>Hello World.</p>
  </body>
</html>
```



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Multiple Styles and Cascade Rule

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Which style has the lowest priority in CSS



Students choose an option

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Your Response

You Chose

- **Browser default**

Other Choices

- External CSS file
- Internal CSS
- Inline CSS

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► Multiple Styles and Cascade Rule



- All styles which are applied to the same element will apply in the **cascade** order of rules.
- Inline styles have the top priority, then external and internal style sheets and finally browser default styles. So, an inline style will override external and internal styles and browser defaults.

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► Multiple Styles and Cascade Rule.



- In the **external style sheet**, color of **<p>** is defined as **red**.
- In the **internal style**, color of **<p>** is defined as **blue**, and in the **inline style** **green**, where the **browser default** is **black**.
- In this example, the color of **<p>** element is **green** because of cascade rules.

```
• HTML
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <link rel="stylesheet" type="text/css"
5       href="file.css">
6     <style>
7       p {
8         color: blue;
9       }
10    </style>
11  </head>
12  <body>
13    <p style="color: green;">Hello World</p>
14  </body>
15 </html>
```

Hello World

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▶ Getting into CSS

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Table of Contents ➤

- ▶ The Box Model
- ▶ CSS Selectors
- ▶ CSS Comments



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1 The Box Model

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▶ The Box Model

All elements in HTML file is considered as boxes. The "Box Model" term is used to describe box that surrounds an element. It consists of: margins, borders, padding, and the content.

- **Content:** The content of the box.
- **Padding:** A transparent area around the content.
- **Border:** A border that around the padding and content.
- **Margin:** A transparent area around the border.

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The diagram illustrates the Box Model with four nested rectangular layers. The outermost layer is dark blue and labeled 'margin'. Inside it is a medium blue layer labeled 'border'. The next inner layer is light blue and labeled 'padding'. The innermost layer is white and labeled 'content'.

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► CSS Selectors

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► CSS Selectors



- **CSS selectors** are used to select HTML elements.

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► CSS Selectors

CSS element Selector

- An element selector uses element name to select the HTML element.

The screenshot shows the browser's developer tools with two panels: HTML and CSS. The HTML panel displays the following code:

```
<!DOCTYPE html>
<html>
  <body>
    <p>Hello World</p>
  </body>
</html>
```

The CSS panel contains the following CSS rule:

```
p {
  color: red;
}
```

The output in the browser preview shows the word "Hello World" in red. A small "CLARUSWAY" watermark is visible at the bottom left of the slide.

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► CSS Selectors

CSS id Selector

- The id selector uses id attribute to select the element in HTML file.
- The id of an element must be unique in a page. A hash (#) character is used to select an element with a specific id.

The screenshot shows the browser's developer tools with two panels: HTML and CSS. The HTML panel displays the following code:

```
<!DOCTYPE html>
<html>
  <body>
    <p id="text1">Hello World</p>
  </body>
</html>
```

The CSS panel contains the following CSS rule:

```
#text1 {
  color: red;
}
```

The output in the browser preview shows the word "Hello World" in red. A small "CLARUSWAY" watermark is visible at the bottom left of the slide.

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► CSS Selectors

CSS class Selector

- The class selector uses class attribute to select all elements of that class in HTML file.
- A period (.) character is used to select elements with a specific class.

The screenshot shows the developer tools of a browser. On the left, the HTML tab displays the following code:

```
<!DOCTYPE html>
<html>
<body>
<p class="error">Hello
World</p>
</body>
</html>
```

On the right, the CSS tab contains the following rule:

```
.error {
color: red;
}
```

The output in the browser preview shows the word "Hello" in red and "World" in black.

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Slide 37

► CSS Selectors

Universal Selector

- The universal selector (*) selects all HTML elements on the page.

The screenshot shows the developer tools of a browser. On the left, the HTML tab displays the following code:

```
<!DOCTYPE html>
<html>
<body>
<h1>Hello World</h1>
<p class="error">Hello
Clarusway</p>
</body>
</html>
```

On the right, the CSS tab contains the following rule:

```
* {
color: blue;
}
```

The output in the browser preview shows both "Hello" and "Clarusway" in blue.

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► CSS Comments

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► CSS Comments



- The browser does not display comments, but with comments, we can place warnings, descriptions and other notes.
- CSS Comments can add the text between /* and */ characters.

/* Single-line comment */

/* This is a
Multi-line comment */

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Link(s) on this slide:

- <https://create.kahoot.it/details/css-3-getting-into-css/f6c69005-1243-49c0-afe0-d362f5e27106>

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THANKS!

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