

CSS Selectors

Web Authoring and Design

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Outline

- Review
- What are CSS Selectors?
- Different types of Selectors and Syntax
- Examples of how to use Selectors
- Summary
- Review/Discussion

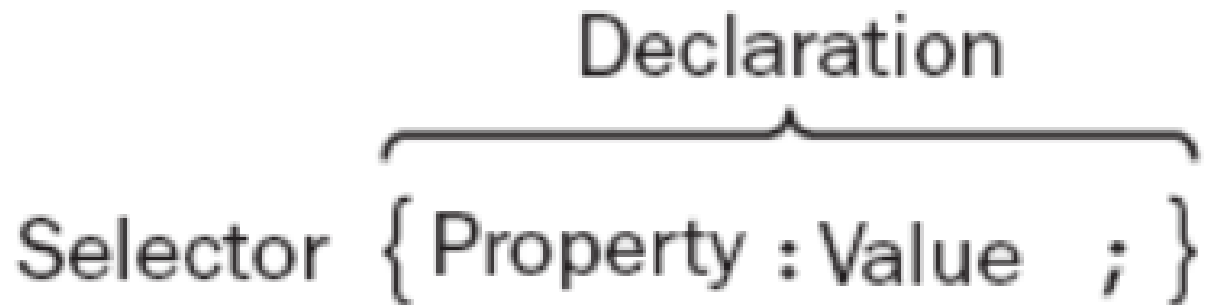
CSS Selectors

- CSS selectors are HTML tags to which a CSS style is applied.
 - ▷ This could be any tag like `< p >` or `< h1 >`
- These are patterns used to select the HTML tags that you want to style.
- These patterns may range from simple element names to rich contextual patterns

Selector Syntax

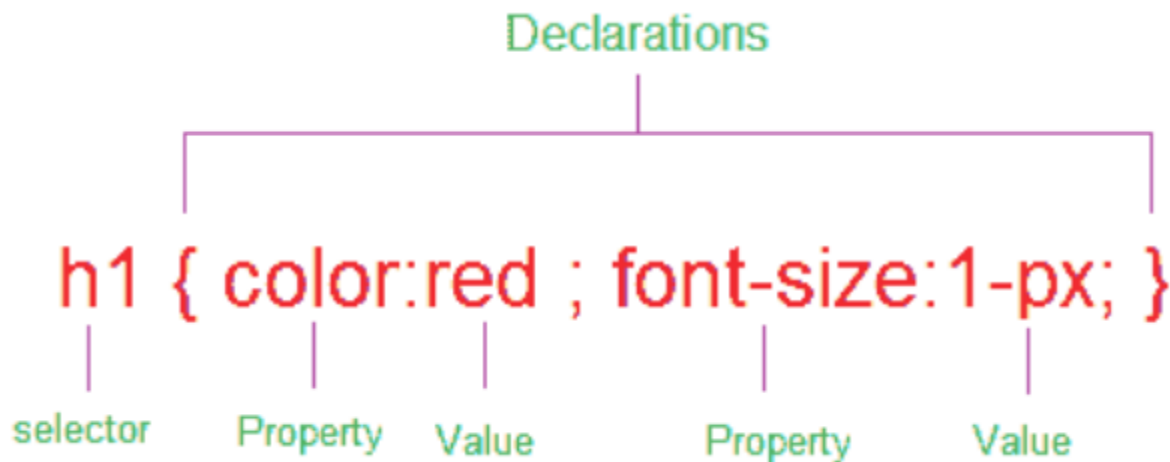
Declaration

Selector { Property : Value ; }



Details

- In the following sections, looking at how you can use different types of a selectors to specify which elements a style sheet rule can apply to



Element Selector or Type Selector

- The CSS element Selector or the type selector matches occurrences of those tags specified in the list

synatx:

```
element { property:value }
```

e.g.,

```
p { font-size:32px; }
```

Above CSS code sets all paragraph font size as 32.

Example Selector

```
<html>
  <head>
    <style type="text/css">
      p {font-size:32px;}
    </style>
  </head>
  <body>
    This line displayed in default font size
    <p> Line formatted with element selector </p>
  </body>
</html>
```

This line displayed in default font size

Applied element selector

Universal Selector

- The universal selector set a value for all elements in the HTML document

synatx:

** { property:value }*

- e.g.,

** {font-size:14px;}*

- Above CSS code set font size =14px to the whole HTML document

Example Universal Selector

```
<html>
  <head>
    <style type="text/css">
      * {font-size:32px;}
    </style>
  </head>
  <body>
    Universal selector set all font size as 22 in this
    document
  </body>
</html>
```

Grouped Selectors

- Whenever a situation that you need to apply the same style property to a number of selectors, then you can group those selectors into one rule by separating them with commas. The selector rule has the same effect to more than one selector at a time

Example Grouped Selectors

```
h1 {color: #FF0066;}  
h2 {color: #FF0066;}  
p {color: #FF0066;}
```

- Instead of above multiple selectors you can group them as follows:

```
h1,h2,p {color: #FF0066;}
```

```
<html>
  <head>
    <style type="text/css">
      h1,h3,p {color: #FF0066;}
    </style>
  </head>
  <body>
    <h1>Grouped Selectors</h1>
    <h2>This one not in the group</h2>
    <h3>This elements also grouped</h3>
    This line is not in the grouped selector.
    <p>This paragraph also in the group </p>
  </body>
</html>
```

Grouped Selectors

This one not in the group

This element also grouped

This line is not in the grouped selector.

This paragraph also in the group

This Week

- Review Slides
- Read Associated Chapters
- Weekly Tasks
 - ▷ Update GitHub Website
- **Online Quizzes**

Summary

- Overview of CSS Selectors

- Different Selectors

 - ▷ E.g., Universal, Grouped, ..

- Hands-On/Practical

Questions/Discussion