



Mindtree

Welcome to possible

Cascading Style Sheets

Objectives

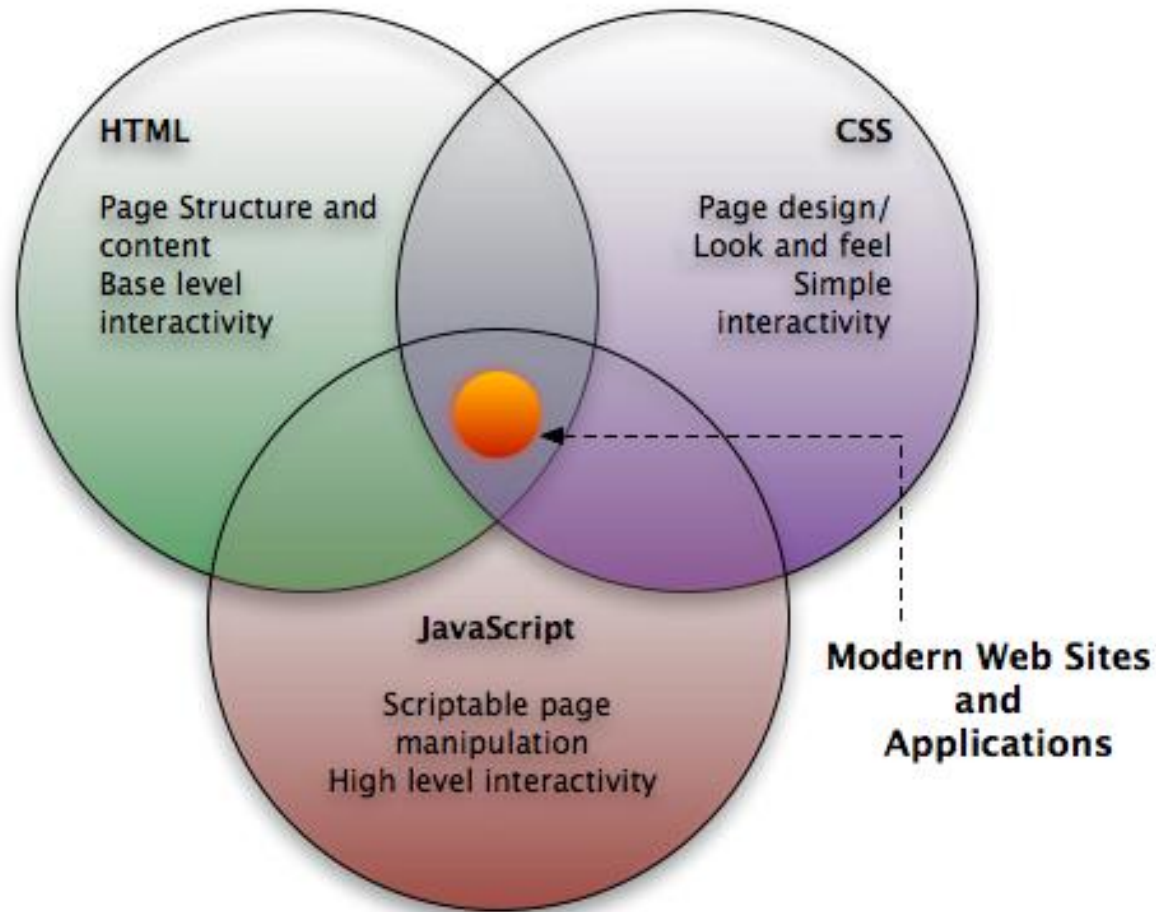
- How to use CSS ID selectors?
- How to use CSS class selectors?
- Differentiate between ID and Class selectors
- How to apply CSS using JavaScript

Cascading Style Sheets

- **Cascading Style Sheets (CSS)** is a [style sheet language](#) used to describe the [presentation semantics](#) (the look and formatting) of a document written in a [markup language](#) like HTML, XHTML, XML, etc.
- CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the [layout](#), [colors](#), and [fonts](#).
- CSS enables multiple pages to share formatting, and reduce complexity and repetition in the structural content.

Cascading Style Sheets

- HTML, CSS and JavaScript



Applying CSS to an HTML document

- In-line (the attribute style)
- One way to apply CSS to HTML is by using the HTML attribute style.

```
<body style="background-color: #FF0000;">
```

```
<div  
  style="color: black;  
  font-size: 40px;  
  font-family: Arial">  
  Mindtree Ltd.  
</div>
```

SELECTOR:

The selector is normally the HTML element you want to style

Each declaration consists of a property and a value.

The property is the style attribute you want to change.
(Example: color)

Each property has a value
(Example: black)

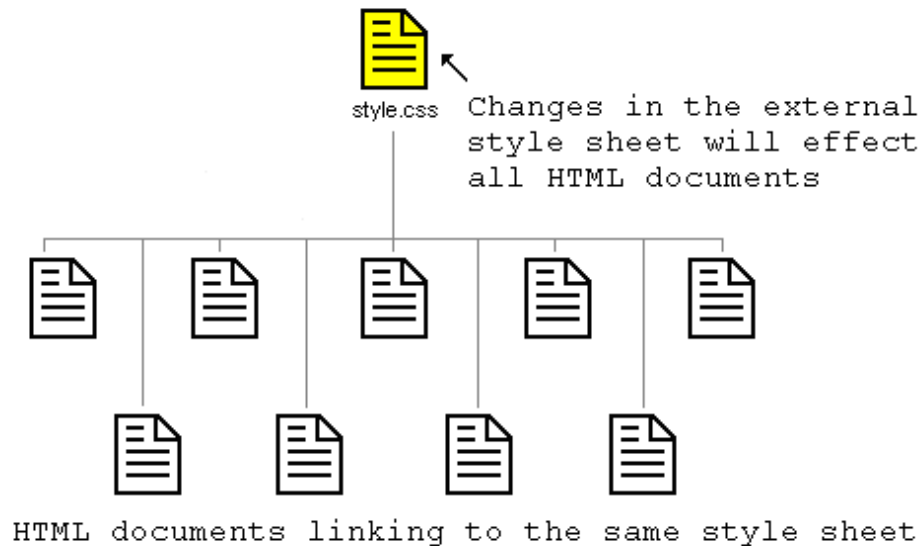
```
<style type="text/css">
  body {
    background-color: #FF0000;
  }
  div {
    color: black;
    font-size: 40px;
    font-family: Arial;
  }
</style>
```

Applying CSS to an HTML document

- **External (link to a style sheet)**

- The recommended method is to link to a so-called external style sheet.
- Create a link from the HTML document to the style sheet. Such link can be created with one line of HTML code

```
<link rel="stylesheet" type="text/css" href="style/style.css" />
```



Applying CSS to an HTML document

- **Class and ID selectors**

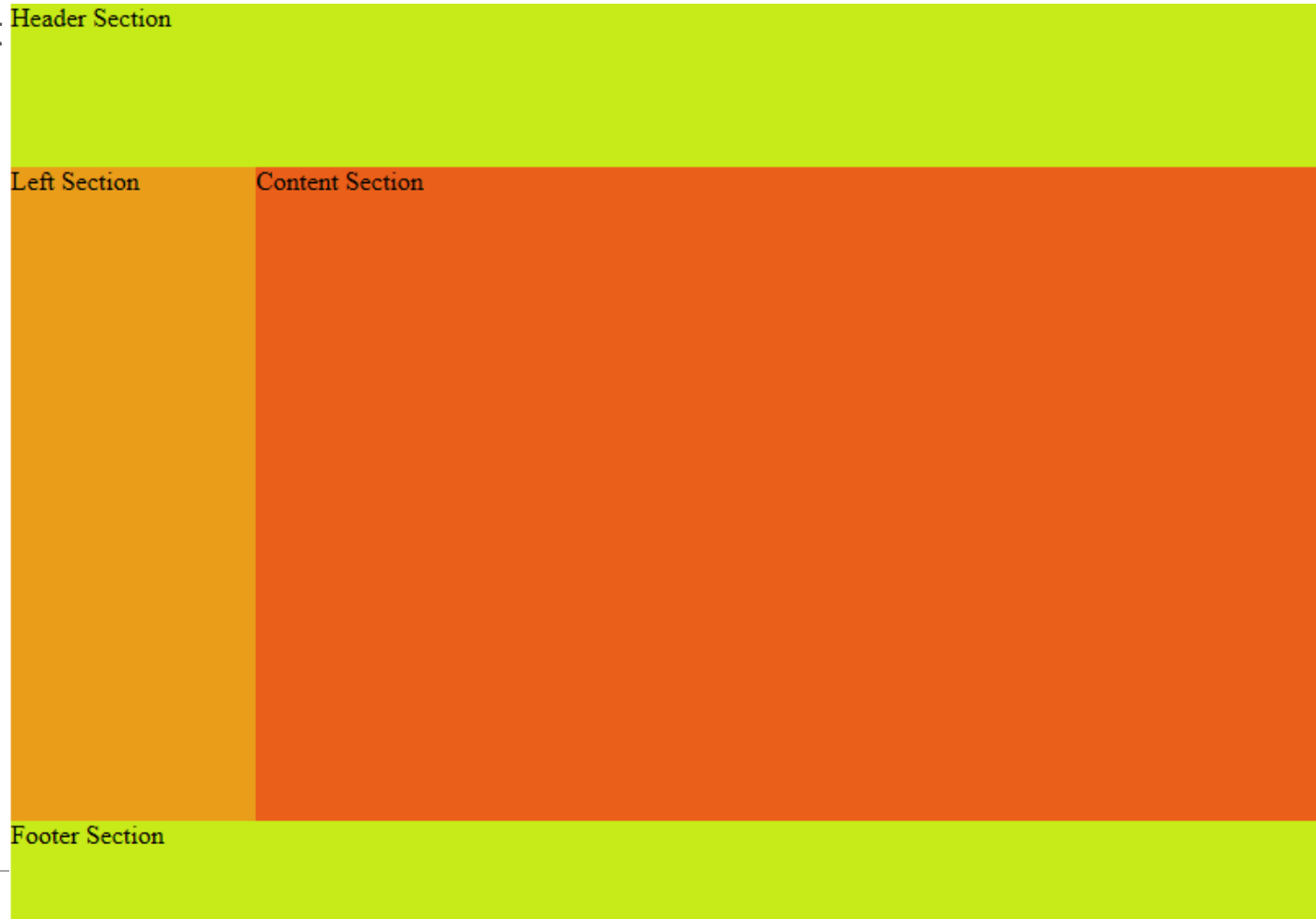
- You can also define your own selectors in the form of Class and ID selectors.
- A class selector is a name preceded by a dot (.) and an ID selector is a name preceded by a hash (#).

```
#errorMessage {  
    color: red;  
    font-weight: bold;  
}  
  
.message {  
    color: green;  
}
```

```
<div id="errorMessage">  
    Employee name is required  
</div>  
<div class="message">  
    Employee with ID 100 added successfully  
</div>  
  
<p class="message">  
    Note: All fields are required  
</p>
```


Creating DIV based layout using CSS

- This example illustrates creating web page with header, footer, left section and content



Creating DIV based layout using CSS



Creating DIV based layout using CSS

Header Section

Left Section

Content Section

Footer Section

```
#leftcol {  
    background: #EA9D19;  
    position: absolute;  
    top: 100px; left: 0px;  
    width: 150px; height: 500px;  
}  
  
#content {  
    background: #EA5F19;  
    position: absolute;  
    top: 100px; left: 150px;  
    width: 650px; height: 500px;  
}  
  
#footer {  
    background: #C7EA19;  
    position: absolute;  
    top: 500px; left: 0px;  
    width: 800px; height: 100px;  
}
```



Thank You

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