

CSS

Week 4.1 - IST 263

PURPOSE OF HTML

- Describes and defines content
- Adds meaning to content to help search engines

Semantic Tags/Elements

HOMEWORK QUESTIONS?

INDIVIDUAL PROJECT

Cornerstone technologies for the WWW

describes how the content should be rendered

HTML + CSS + JS = WEB PAGE

the content to be rendered

makes the page interactive

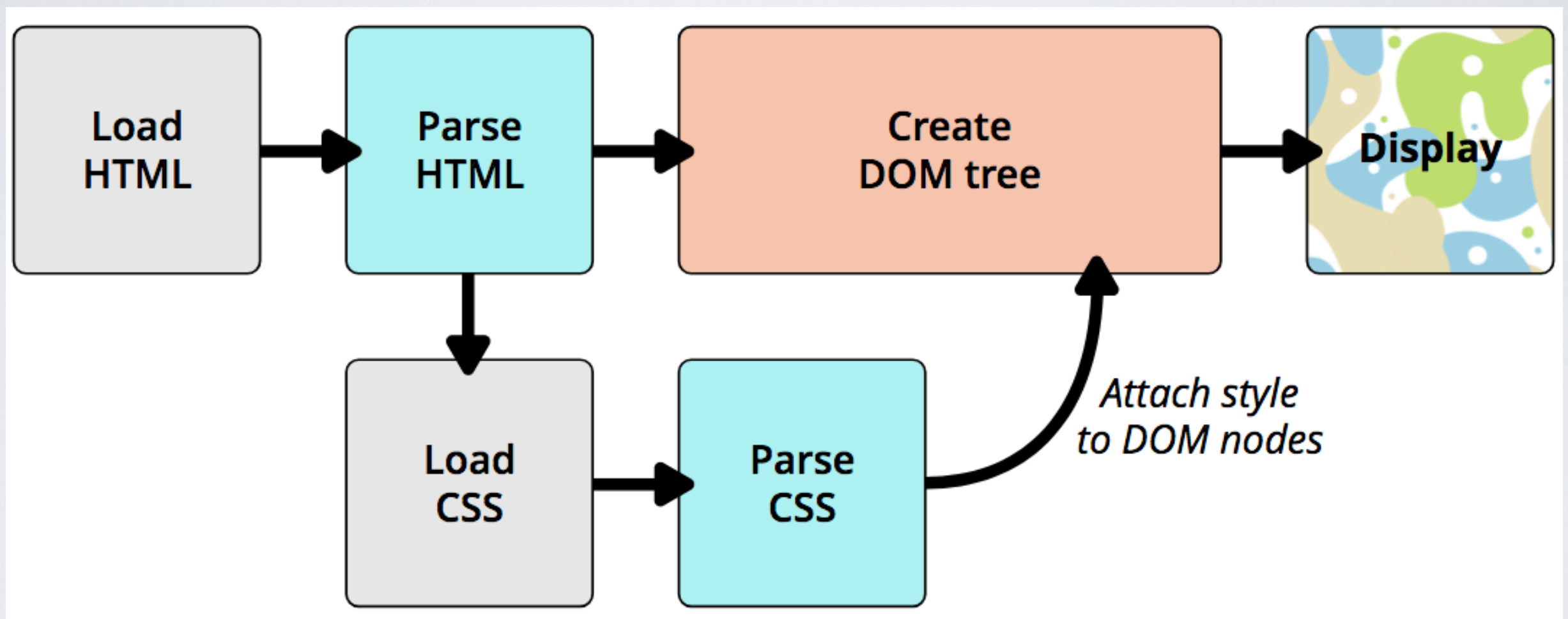
CSS

Cascading **S**tyle **S**heets

CSS is a stylesheet language used to describe the presentation of a document written in HTML or XML.

Allows a browser engine to paint elements of the page with specific features like colors, positioning or decorations.

HOW DOES CSS AFFECT HTML



CSS Vocabulary

- Selector
- Property
- Value
- CSS Declaration

```
h1 {  
    font-size: 35px;  
    font-weight: normal;  
    text-align: center;  
    color: #666;  
}
```


HOW TO APPLY CSS

- External Stylesheet

Defined in an external file. Included via the `<link>` element. Affects **all** pages where it is included.

- Internal Stylesheet

Included in the page via the `<style>` element. Affects **only** the page it is included in.

- Inline Styles

Included via the style attribute for a HTML element. Affects **only** the element.

SAMPLES IN FOLDER

Let's try some CSS

DEVELOPER TOOLS

DOM

Document **O**bject **M**odel

Created by the browser, and has a tree-like structure

HTML Element => DOM Node

HTML => DOM Tree

```
<!doctype html>
<html lang="en">

  <head>
    <title>IST 263</title>
  </head>

  <body>
    <p>Hello World !!!</p>
  </body>

</html>
```


DOM NODE - RELATIONSHIPS

Parent, Child & Siblings

`<p>`

Let's use:

`Cascading`

`Style`

`Sheets`

`</p>`

P

├ "Let's use:"

├ SPAN

| └ "Cascading"

├ SPAN

| └ "Style"

└ SPAN

└ "Sheets"

MORE CSS

After break