

# HTML5

## Diagrams and elements

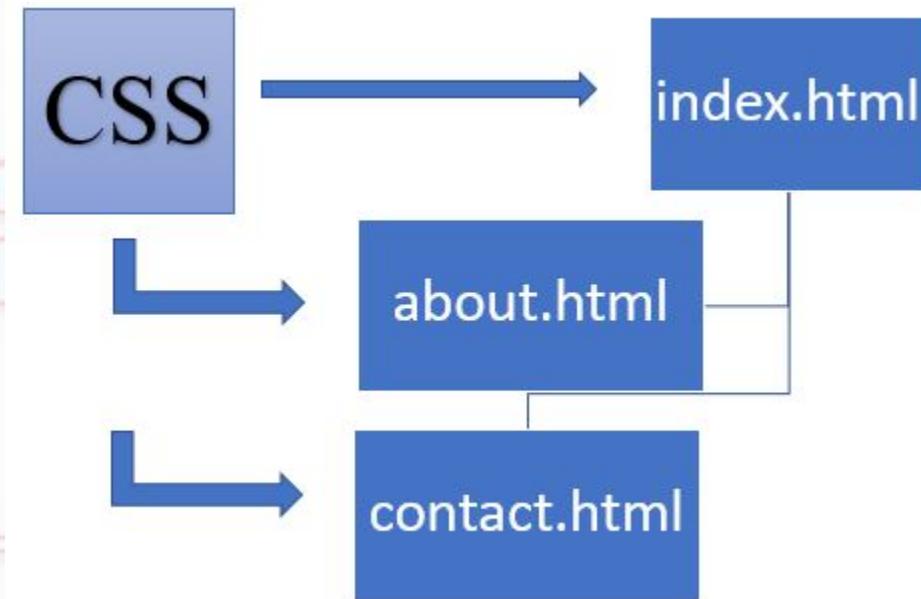
HTML5 AND CSS3 - examples

# CSS3

# first webpage code

```
<!doctype html>
<html lang="en">
<head>
    <title>Hello World</title>
    <meta charset="utf-8">
</head>
<body>
    Hello World
</body>
</html>
```

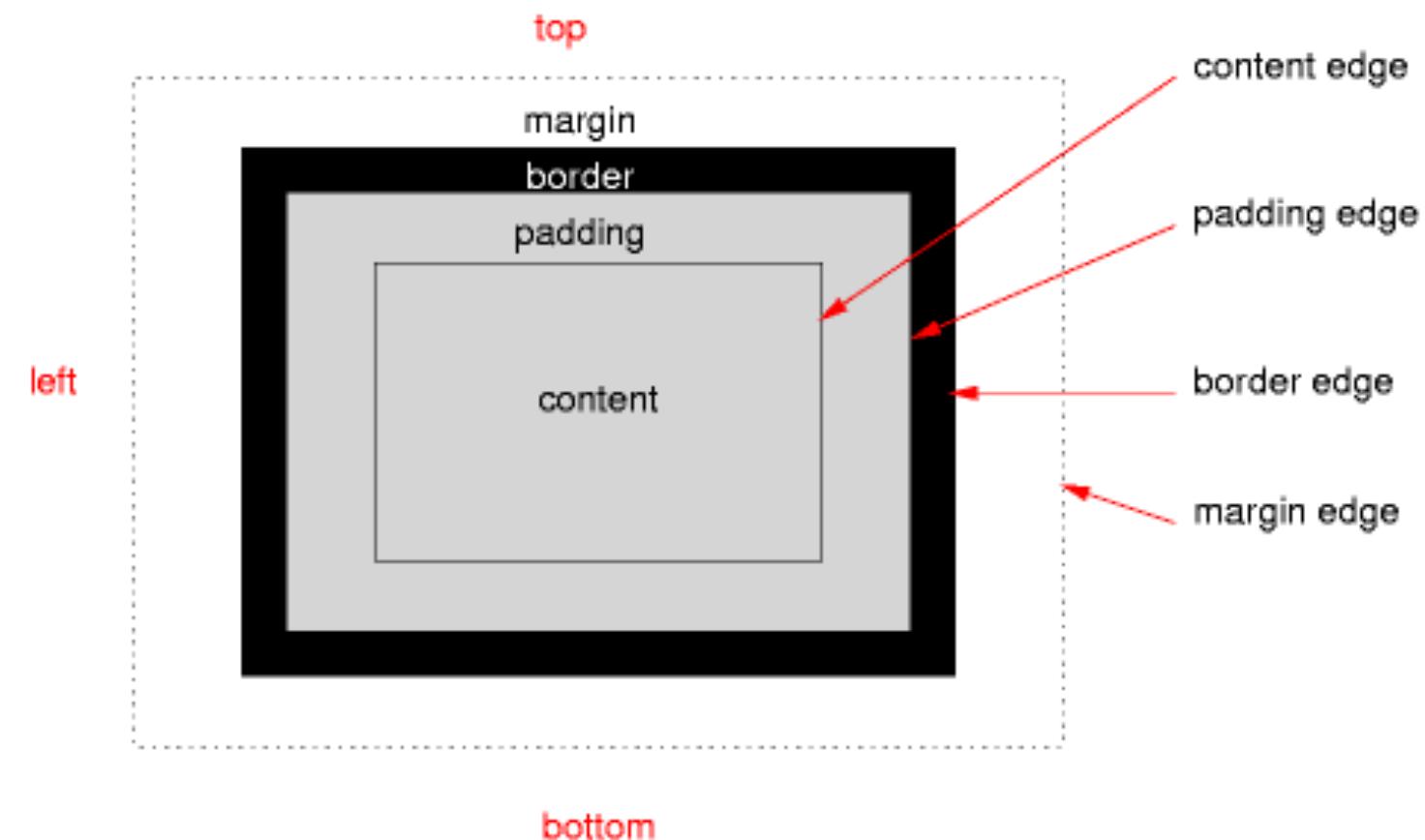
# External Style sheet diagram



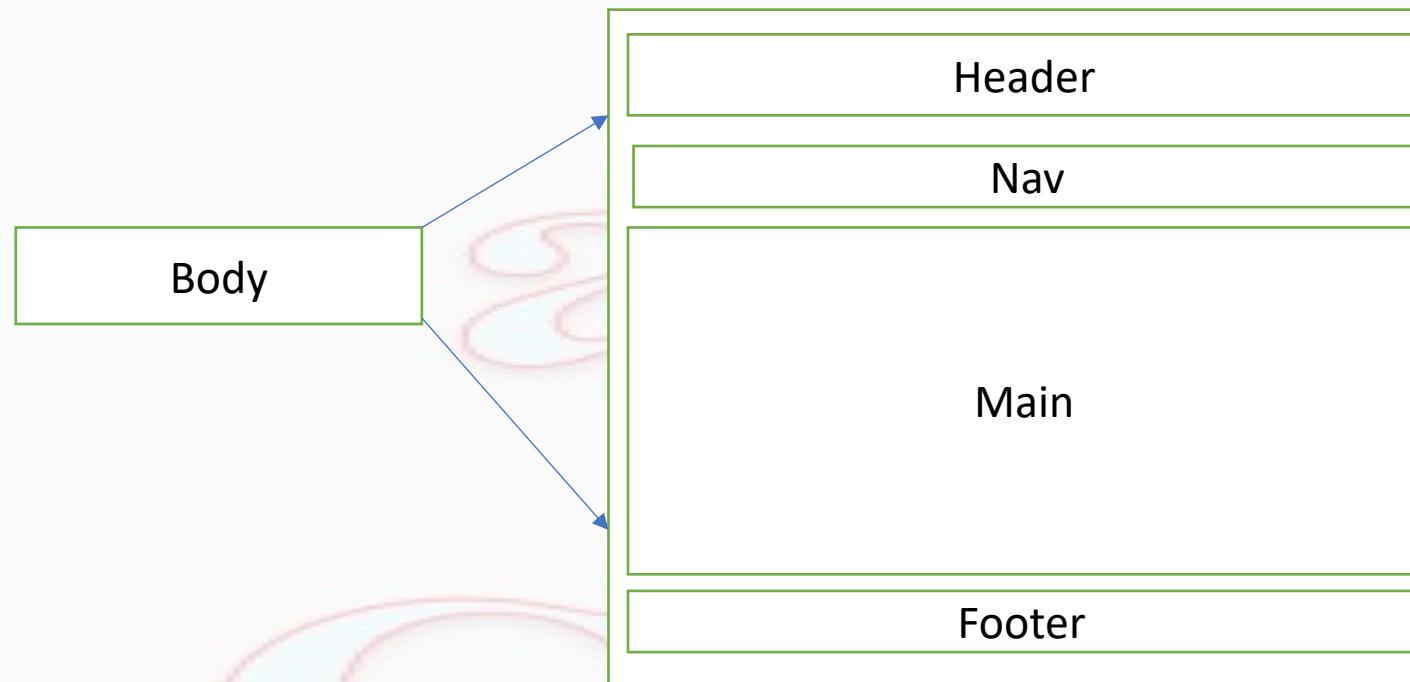
# URL diagram

HTTP Protocol                      Folder/directory name  
http://www.thisweb.com/firstDirectory/webpage.html  
Web Server Name    Domain Name                      File Name

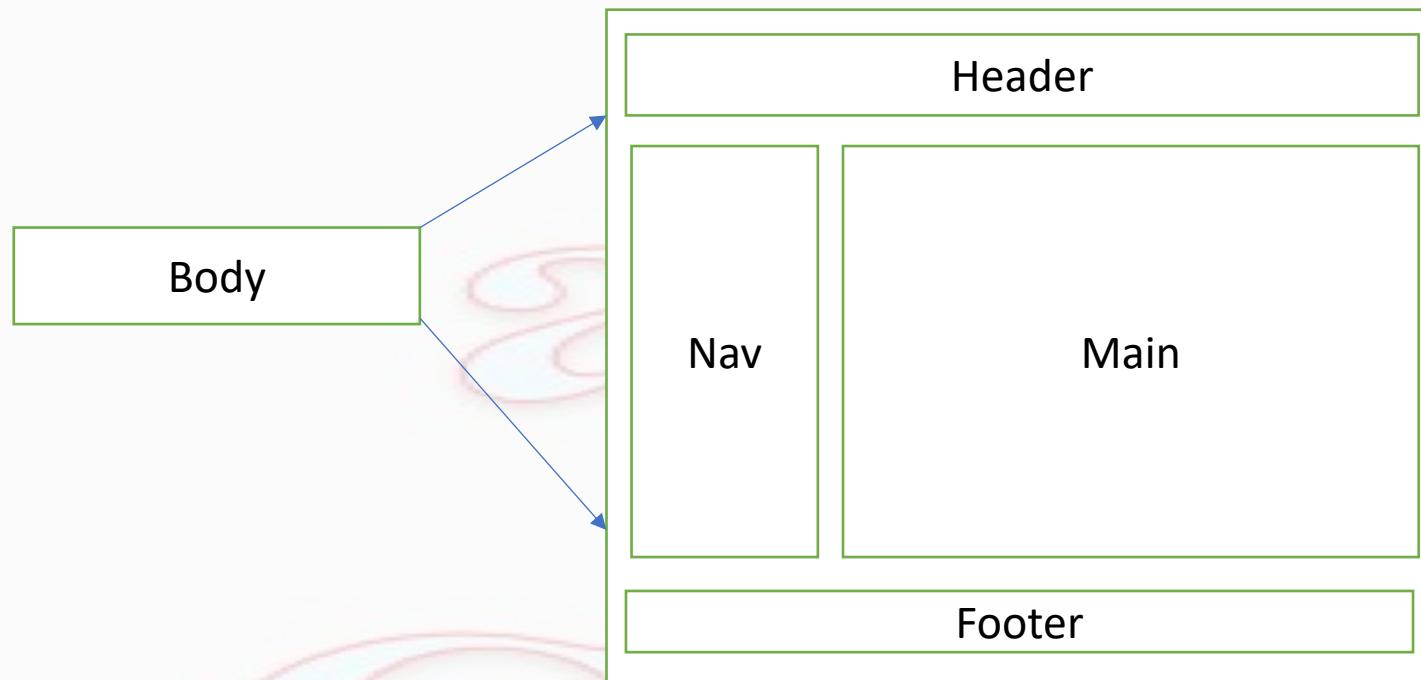
# Box diagram



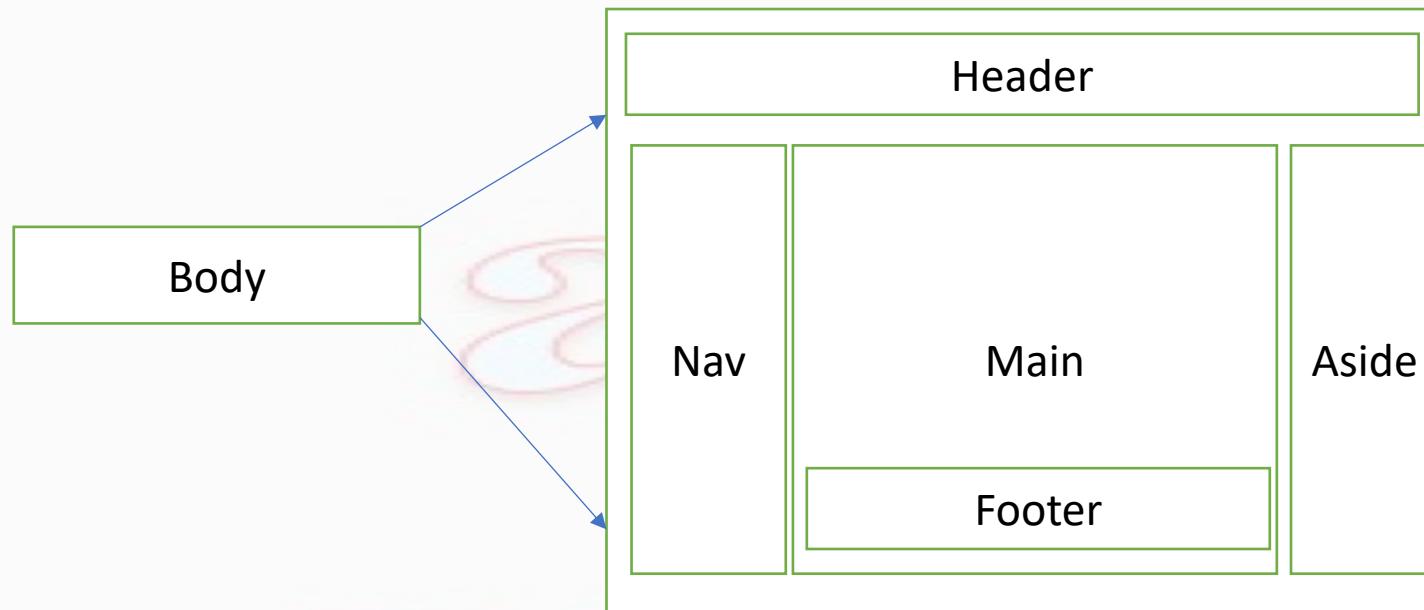
# Single column layout



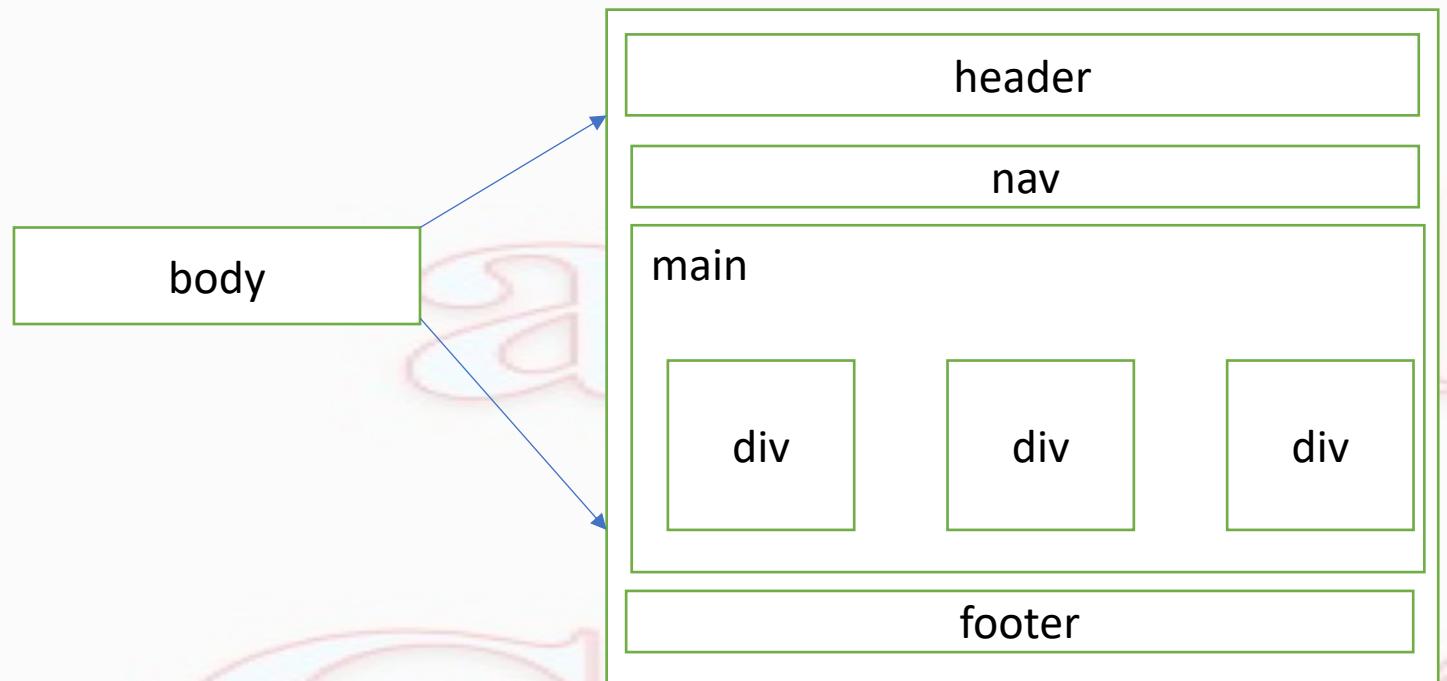
# Two-column layout



# Three-column layout



# Example Layout using div tags



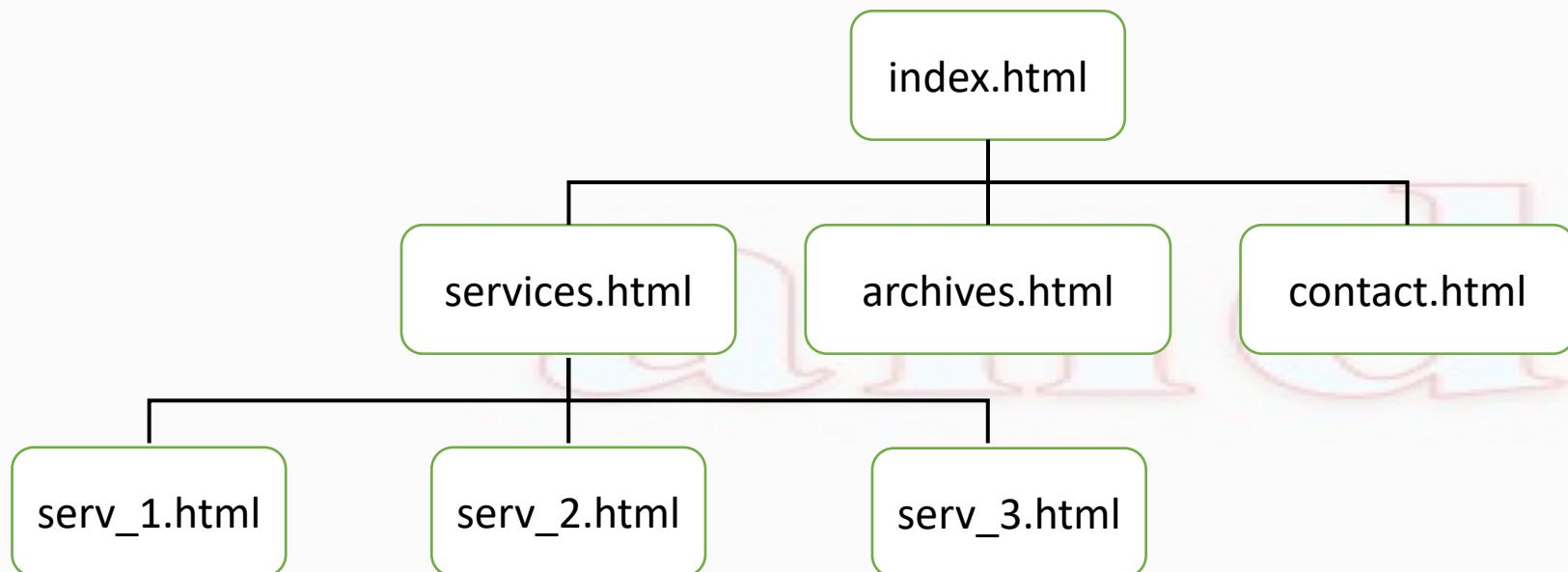
# Nested div elements

```
<div>
  <div>
  </div>
</div>
```

outer div

nested (inner) div

# Example - Basic website diagram



# Example – basic site map

index.html

services.html

serv\_1.html  
serv\_2.html

serv\_3.html

contact.html

archives.html

# Fieldset and legend

legend

First Name:

Last Name:

Submit

Reset

# Example - Form wireframe

form

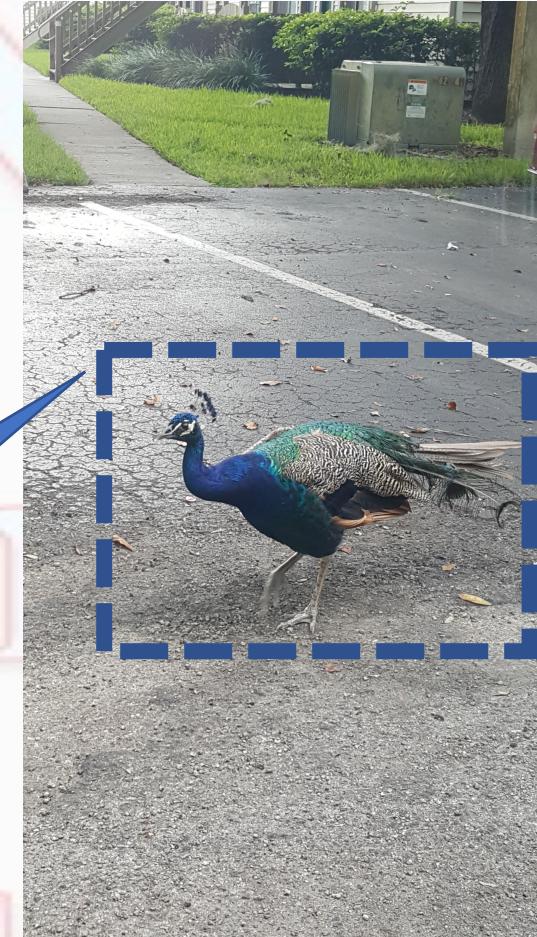
label 1	textbox 1	
label 2	textbox 2	
label 3	textbox 3	
label 4	scrolling textbox	
	<input type="button" value="submit button"/>	<input type="button" value="reset button"/>

# Mapping Element

Mapping Element – clickable image

45, 250

445, 600



# Ordered list

## My Colors

1. Red
2. Blue
3. Green
4. Orange

## My Colors

- A. Red
- B. Blue
- C. Green
- D. Orange

## My Colors

- a. Red
- b. Blue
- c. Green
- d. Orange

## My Colors

- i. Red
- ii. Blue
- iii. Green
- iv. Orange

# Unordered lists

## My Colors

- Red
- Blue
- Green
- Orange

## My Colors

- Red
- Blue
- Green
- Orange

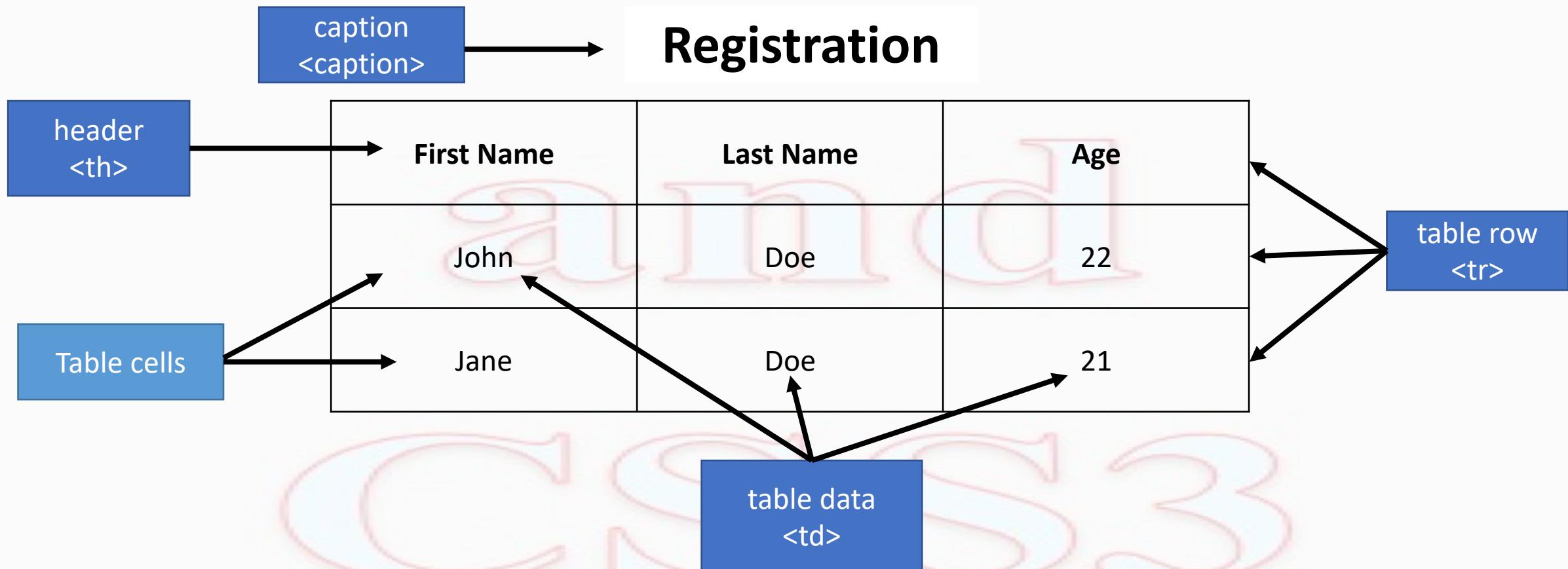
## My Colors

- Red
- Blue
- Green
- Orange

## My Colors

- ❖ Red
- ❖ Blue
- ❖ Green
- ❖ Orange

# Example – Table elements



# Example Table – rowspan, colspan

and

CSS3

# Example Table rowspan, colspan

**rowspan**

**colspan**

This span two rows	row1, col2
	row2, col2

This span two columns	
row2, col1	row2, col2

# Example – table code

```
<table>
    <caption>Registration</caption>
    <tr>
        <th>First Name</th>
        <th>Last Name</th>
        <th>Age</th>
    </tr>
    <tr>
        <td>John</td>
        <td>Doe</td>
        <td>22</td>
    </tr>
    Etc. etc. etc.
```

# HTML ELEMENTS

## POPULAR

```
<html> </html>
<head> </head>
<body> </body>
  <nav> </nav>
<main> </main>
<form> </form>
<footer> </footer>
<fieldset> </fieldset>
<caption> </caption>
```

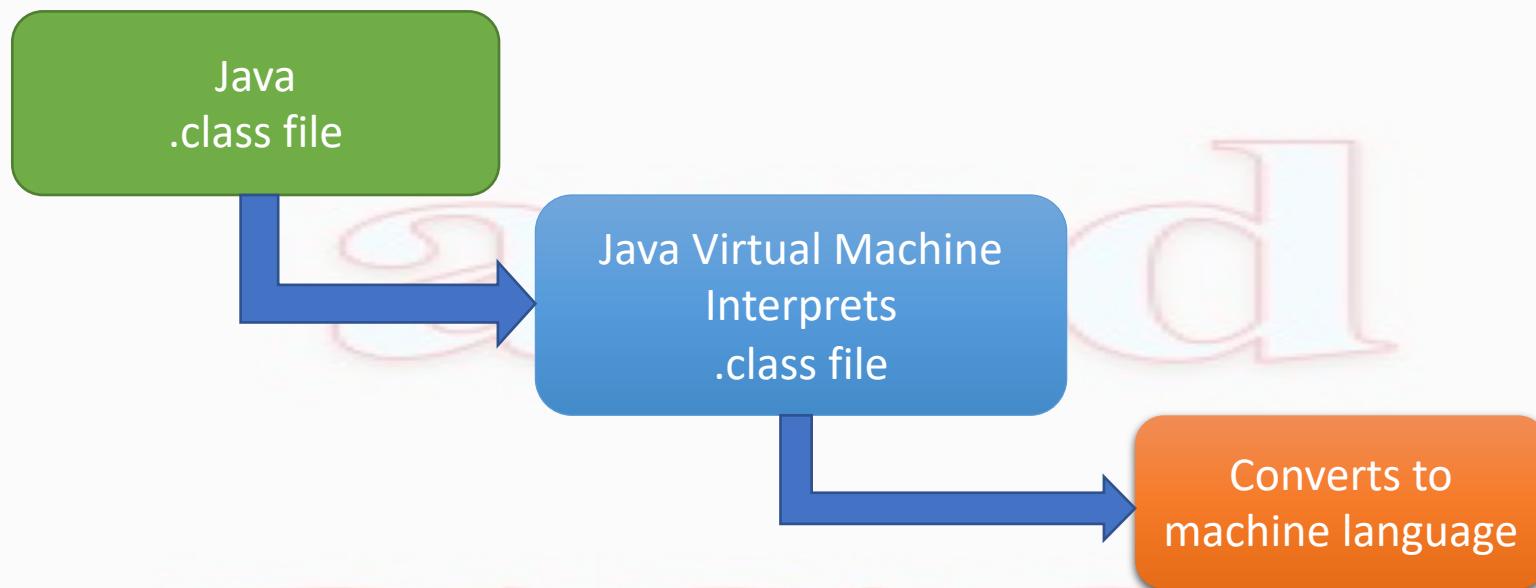
```
<aside> </aside>
  <a> </a>
<table> </table>
  <title> </title>
    <b> </b>
  <em> </em>
<strong> </strong>
```

```
<meta>
<link>
<hr>
<br>
<input>
<img>
```

# EXAMPLE – CSS DOCUMENT

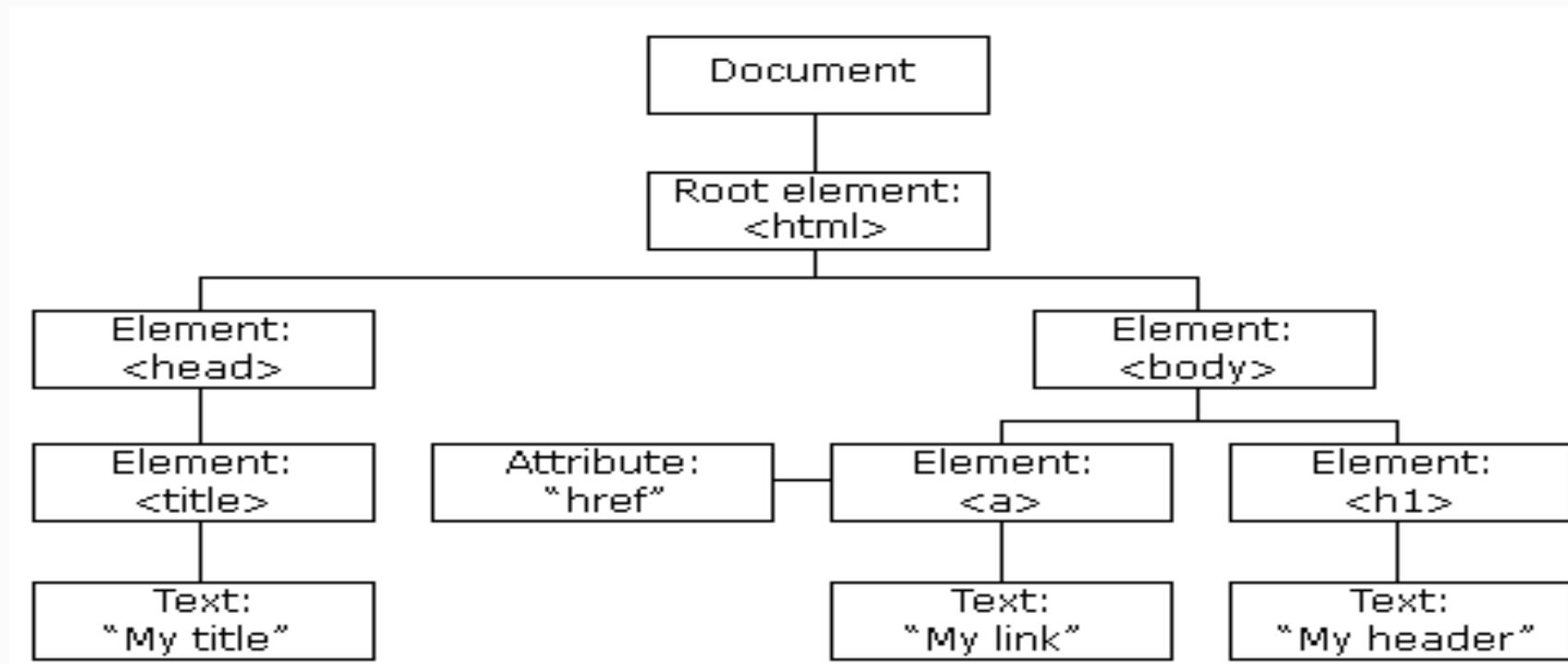
```
body {background-color: #FFFF00;  
      font-family: Verdana, "Times New Roman",  
      serif;  
}  
  
ul {color: #00FF00;  
}  
  
main {background-color: #FF0000;  
      font-size: 1.25em;  
}
```

# Java



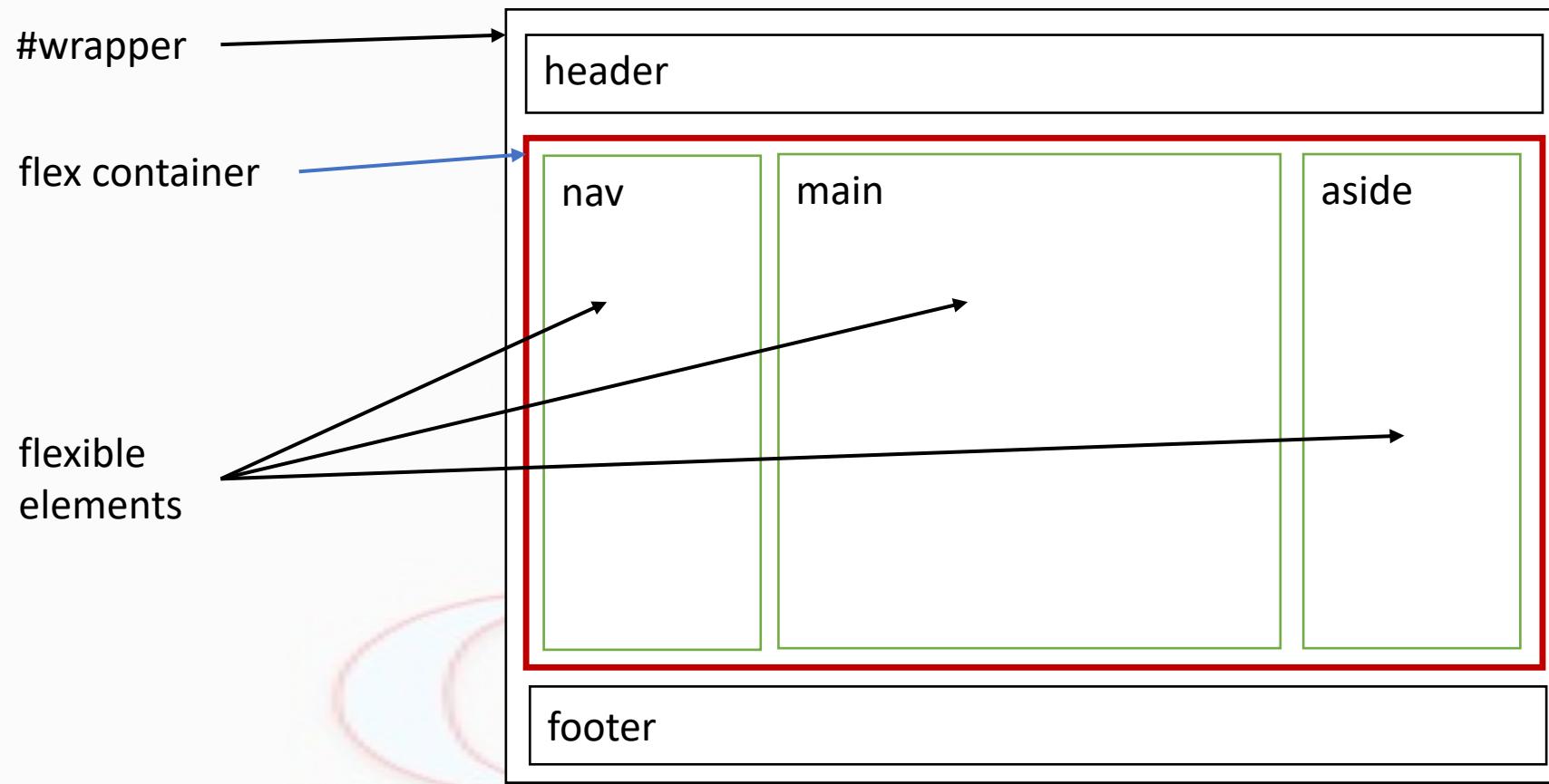
# Document Object Model

The HTML DOM Tree of Objects



[https://www.w3schools.com/js/js\\_htmldom.asp](https://www.w3schools.com/js/js_htmldom.asp)

# Flex container



# Grid layout

