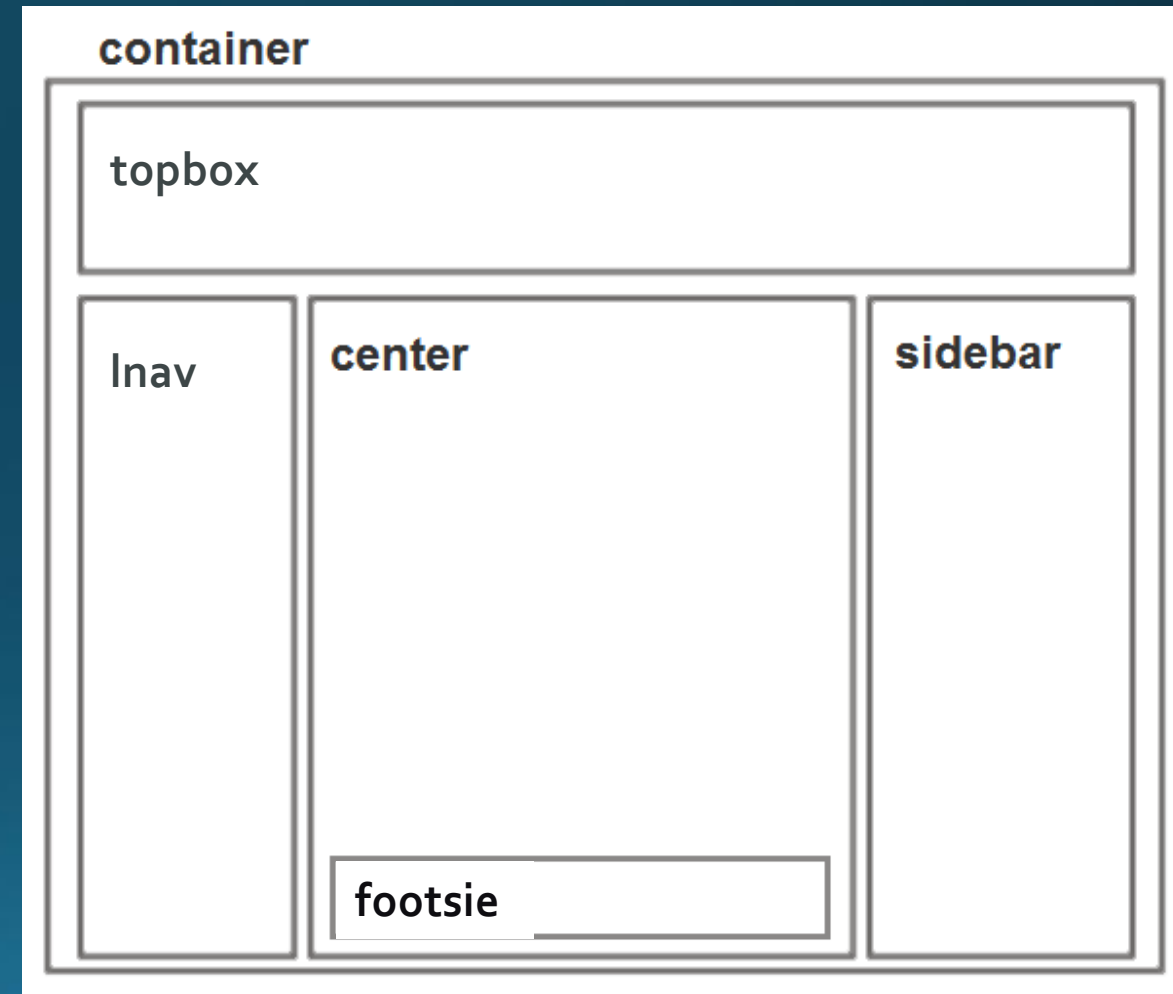


Definition and layout

The CSS Box Model

- **Defining The Box Model**
- Layout with CSS is achieved by defining a series of boxes
- We will look at the 3-column wireframe from our Lakeview Road sandbox project
- We will build the wireframe step by step



- **BoxModel.html**

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
<title>Box Model In Action</title>  
<link rel="stylesheet" href="BoxModel.css" type="text/css" />  
<meta charset="utf-8">  
</head>  
<body>  
...  
</body>  
</html>
```

- **BoxModel.css**

```
/* The Overall Container */
```

```
#container { }
```

```
/* The Branding Box*/
```

```
#topbox { }
```

```
/* A left navigation Box*/
```

```
#lnav { }
```

```
/* A right Side Bar Column */
```

```
#sidebar{ }
```

```
/* The Content Box in the middle */
```

```
#center { }
```

```
/* The Footer Box embedded in the bottom of the content */
```

```
#footsie { }
```

- Define the ids for the divisions, one at a time

```
/* The Overall Container Background lt cyan, text med blue, border indigo*/
```

```
#container {      background-color: #E0FFFF;
                   color: #0000CD;
                   min-width: 960px;
                   font-family: Verdana, Arial, sans-serif;
                   border-style: solid;
                   border-width: 5px;
                   border-color: #4B0082;
                   }
```

```
/* The Branding Box; BG Cornsilk, text dark red, border indian red*/
```

```
#topbox { color: #8B0000;  
          background-color: #FFF8DC;  
          border: 2px solid #CD5C5C;  
          height: 120px;  
        }
```

```
/* A left navigation Box; border indigo*/
```

```
#lnav {  
    float: left;  
    width: 150px;  
    border: 2px solid #4B0082;  
}
```

```
/* A right Side Bar Column; indigo border */
```

```
#sidebar {  
    float: right;  
    width: 200px;  
    border: 2px solid #4B0082;  
  
}
```



```
/* The Content Box in the middle; white bg, green text, lavender headings */
```

```
#center {    background-color: #ffffff;  
            color: #006600;  
            }
```

```
/* The Footer Box embedded in the bottom of the content */
```

```
#footsie {  
    font-size: .70em;  
    text-align: center;  
    color: #006600;  
    background-color: #ffffff;  
    padding-top: 10px;  
    clear: both;  
}
```

- Add the divisions to the html and preview ---

```
<div id="container">  
  <div id="topbox">  
  </div>  
  <div id="lnav">  
  </div>  
  <div id="sidebar">  
  </div>  
  <div id="center">  
    <div id="footsie">  
    </div>  
  </div>  
</div>
```

- Hmmm. Add some content:

```
<div id="topbox">
```

```
    <h1>This is the Header Box</h1>
```

```
</div>
```

```
<div id="Inav">
```

```
    <p>    <a href="#">Home</a> </p>
```

```
    <p>    <a href="#">Menu1</a> </p>
```

```
    <p>    <a href="#">Menu2</a> </p>
```

```
    <p>    <a href="#">Menu3</a> </p>
```

```
    <p>    <a href="#">Menu4</a> </p>
```

```
</div>
```

- But where is the sidebar?:

```
#sidebar { float: right;
            width: 200px;
            border: 2px solid #4B0082;
            }
```

- No vertical expansion without content ?

```
#sidebar { float: right;
            width: 200px;
            border: 2px solid #4B0082;
            min-height: 200px;
            }
```

- Now for some content in the center:

```
<div id="center">
```

```
<h2>H2 Header in Center</h2>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilis.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>
```

```
<h3>H3 Header in Center <br> A Second Line of H3. . . . </h3>
```

```
<p>Typi non habent claritatem insitam; est usus legentis in iis qui facit eorum claritatem. Investigationes demonstraverunt lectores legere me lius quod ii legunt saepius. </p>
```

```
<div id="footsie"> Copyright &copy; your-name-here<br>
```

```
</div>
```

```
</div>
```

- Let's add some formatting to the css

```
#topbox {
    color: #8B0000;
    background-color: #FFF8DC;
    border: 2px solid #CD5C5C;
    height: 120px;
    padding: 0 20px;
}

#center {
    margin: 0 210px 0 160px;
    padding: 1px 10px 20px 10px;
    background-color: #ffffff;
    color: #006600;
}
```

- And make the navigation prettier:

```
#lnav {
    float: left;
    width: 150px;
    border: none;
    margin-top: 20px;
    text-align: center;
}

#lnav a {
    text-decoration: none;
    font-size: 1.2em;
}

#lnav a:link { color: #006600; }
#lnav a:visited { color: #003300; }
#lnav a:focus, #lnav a:hover { color: #cc66cc; }
#lnav a:active { color: #000000; }
```