

CS1115/CS5002

Web Development 1

Dr Derek Bridge

School of Computer Science & Information Technology
University College Cork

Horizontal centering II

- To horizontally center a block within its container, set its left and right margins to auto, e.g.:

```
p {  
  margin-right: auto;  
  margin-left: auto;  
  width: 80%;  
}
```

- **Note that nothing will happen unless the width of the block is set to be narrower than the container**
Question: Why?

Horizontal centering I

- To horizontally center content (text/images) within a box (<p>, <h1>, <td>, etc.), use text-align, e.g.:

```
p {  
  text-align: center;  
}
```

- Note that this does not affect the alignment of the box itself

Centering in general

- Centering is tricky, especially vertical centering
- It's common not to know the height of a box. Q: Why?
- CSS's new Flexbox Layout module will help a lot:
 - [CSS-Tricks' Complete Guide to Flexbox](#)
 - [CSS-Tricks' Complete Guide to Centering](#)

Getting help with your CSS

- In Chrome, launch the Developer Tools (CTRL-Shift-I): lets you see which styles affect each element

Navigation menus: row of horizontal 'buttons'

- Remove the bullet points (`list-style`)
- Tidy the `ul`'s padding & margin
- Change the `li`s from *block* to *inline* (`display`)
- Style the links to make them look and behave more like 'buttons':
 - Add border and padding (but it's better to do this to the `a` than to the `li`)
 - Remove the underline that hyperlinks have (`text-decoration`)
 - Add colors and a different colour for hovering
 - Optionally, use different colours for the link where `href=""`
- **Question:** How would you center the buttons on the page?

Navigation menus

- Most pages in a web site have menus of hyperlinks to the other pages
- In HTML, we probably use an unordered list (or nested list) for these within a `nav` element:

```
<nav>
  <ul>
    <li><a href="">Kombat</a></li>
    <li><a href="badgers.html">Badgers</a></li>
    <li><a href="squirrels.html">Squirrels</a></li>
  </ul>
</nav>
```

Navigation menus: row of horizontal 'buttons'

```
nav ul {  
  list-style: none;  
  margin: 0;  
  padding: 1em;  
}  
  
nav li {  
  display: inline;  
}  
  
nav a {  
  border: 0.0625em solid #711515;  
  padding: 0.5em 1em 0.5em 1em;  
  text-decoration: none;  
  color: white;  
  background-color: #851032;  
}  
  
nav a:hover {  
  background-color: #711515;  
}  
  
nav a[href=""] {  
  color: black;  
  background-color: white;  
}
```

Navigation menus: vertical sidebar

- This is much the same but do not change the display role of the `li`s from block to inline
- Instead change the display role of the `a`'s from inline to block

Navigation menus: vertical sidebar

```
nav ul {  
  list-style: none;  
  margin: 0;  
  padding: 1em;  
}  
  
nav li {  
  display: inline;  
}  
  
nav a {  
  border: 0.0625em solid #711515;  
  padding: 0.5em 1em 0.5em 1em;  
  text-decoration: none;  
  color: white;  
  background-color: #851032;  
  display: block;  
}  
  
nav a:hover {  
  background-color: #711515;  
}  
  
nav a[href=""] {  
  color: black;  
  background-color: white;  
}
```

Alternative

- An alternative is to use Flexbox to lay the items out in rows or columns
- The advantage is that you have more control over how to space the items out