

Display and Visibility

Display is Key to Layout

- **Every element is a box**
- **Display affects the layout of neighboring elements**

Common Values

- **inline:** sits next to other elements
 - takes up “just enough” width and height
- **block:** forces line break
 - default: take up all horizontal width and “just enough” height
 - rules can set height and width

Common Values

- **inline-block:**
 - same as inline, but accepts height and width
- **none: removed from page**
 - Still in DOM, but not visual (even to SRs)

Example

Complementary Properties

- **float**
 - Reposition elements to the right or left.
 - Elements are aware of one another and will not overlap.
 - Values: left, right
- **clear**
 - Used to keep floating elements away
 - Values: left, right, both

Example

Element Overflow

- **What happens when you set a height/width and the content doesn't fit any longer?**
- **Use overflow to determine access**

Overflow

- **visible:** Can cause text to show up “on top” of other text
- **hidden:** Hides anything that goes beyond bounding box
 - This can cause problems since if the user increases font size, they may not be able to see content
- **scroll:** Gives horizontal and vertical scrollbars
- **auto:** Adds scrollbars as needed

Example

Other Display Values

- **New display properties are available, but not always supported:**
 - **Table**
 - **Grid**
 - **Flexbox**

display:table

- Sometimes you want to have table-like layout without using table structure, use **display:table** along with **display:table-cell** for elements.

Example

Visibility

- Specifies whether or not element is visible
- Options include:
 - `visible`
 - `hidden`
 - `collapse` (only for table elements)
- Unlike `display:none` a hidden element is still part of the DOM and still takes up space

Review

- **Display is just one tool for positioning our elements on the page**
- **Early design will make the coding easier**
- **Utilize tools to see the different options**

Acknowledgements/Contributions

These slides are Copyright 2015- Colleen van Lent as part of <http://www.intro-webdesign.com/> and made available under a Creative Commons Attribution Non-Commercial 4.0 License. Please maintain this last slide in all copies of the document to comply with the attribution requirements of the license. If you make a change, feel free to add your name and organization to the list of contributors on this page as you republish the materials.

Initial Development: Colleen van Lent , University of Michigan School of Information

