



FEWD - LAYOUT LAB

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LEARNING OBJECTIVES

- Apply techniques to effectively create a multi column/row layout.

AGENDA

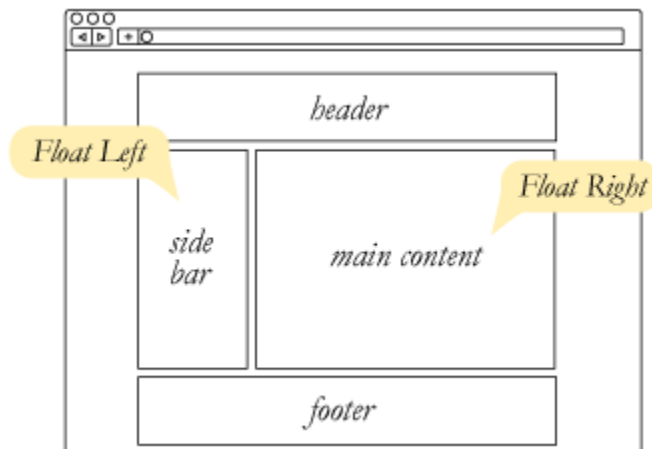
- Review floats, inline-block and flexbox
 - Starting a project
 - Lab Time
-

REVIEW

What would you like to review?

FLOATS

```
#sidebar {  
  float: left;  
}  
  
main {  
  float: right;  
}
```



FLOATS: CLEARFIX

Floated element heights don't get respected. Wrap them in a container with a clearfix class:

CSS:

```
.clearfix:after {  
  content: " ";  
  display: block;  
  clear: both;  
}
```

HTML:

```
<div id="mainContainer" class="clearfix">  
  <div id="sidebar" class="floated">...</div>  
  <main class="floated">...</main>  
</div>
```

FLOATS: CLEARFIX

- Apply float rules to elements you want to arrange
 - Apply clearfix class to parent/wrapping element
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DISPLAY: INLINE-BLOCK

Allows block elements to line up in an inline manner as long as there is space.

- `display: inline-block;`
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DISPLAY: INLINE-BLOCK

- Apply to elements you want to arrange
 - Simpler and more versatile than floats + clearfix
 - Encourages more scalable design
 - Whitespace makes it tricky to pull off 'perfect fit' rows
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FLEXBOX

```
#container {  
  display: flex; /* required */  
  flex-wrap: wrap;  
  justify-content: center;  
  align-items: center;  
}
```

FLEXBOX

- Apply to parent/wrapping element
 - Does everything float and inline-block layouting set out to do without their respective problems
 - Plenty of options to specify how to arrange elements within the container
 - Extremely scalable
 - Unsupported in browsers \leq IE9 (But can be with JS)
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WHICH ONE SHOULD I USE?

- Flexbox: Will give the most consistent and scalable results. Use this unless you really need older browser support.
 - Inline-block: When arranging mixed content and flexbox is overkill.
 - Float: When working with legacy code that's already been built around floats. For flowing content.
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LAB

FURTHER READING

- CSS Flexbox
- Wireframing
- workmanship.io