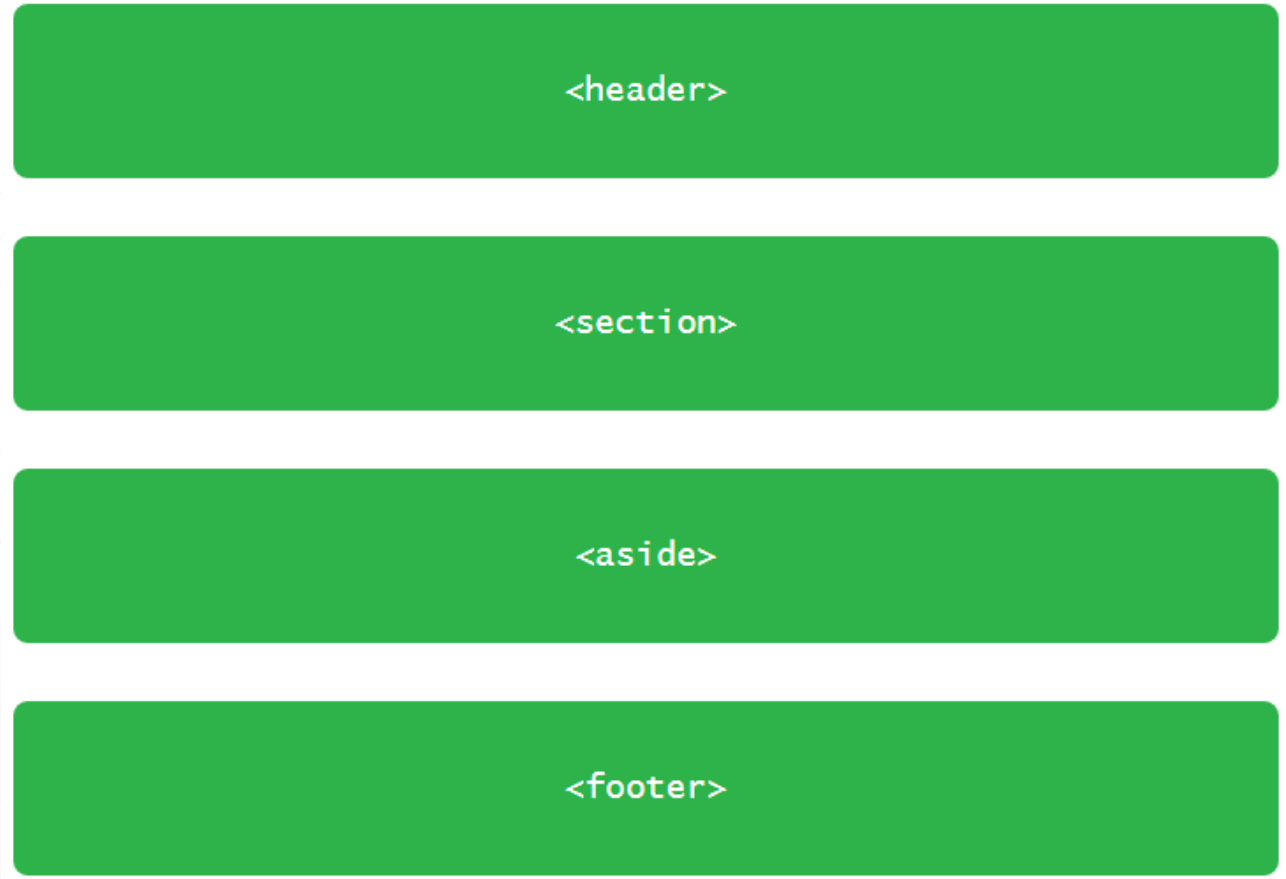
HTML/CSS 4

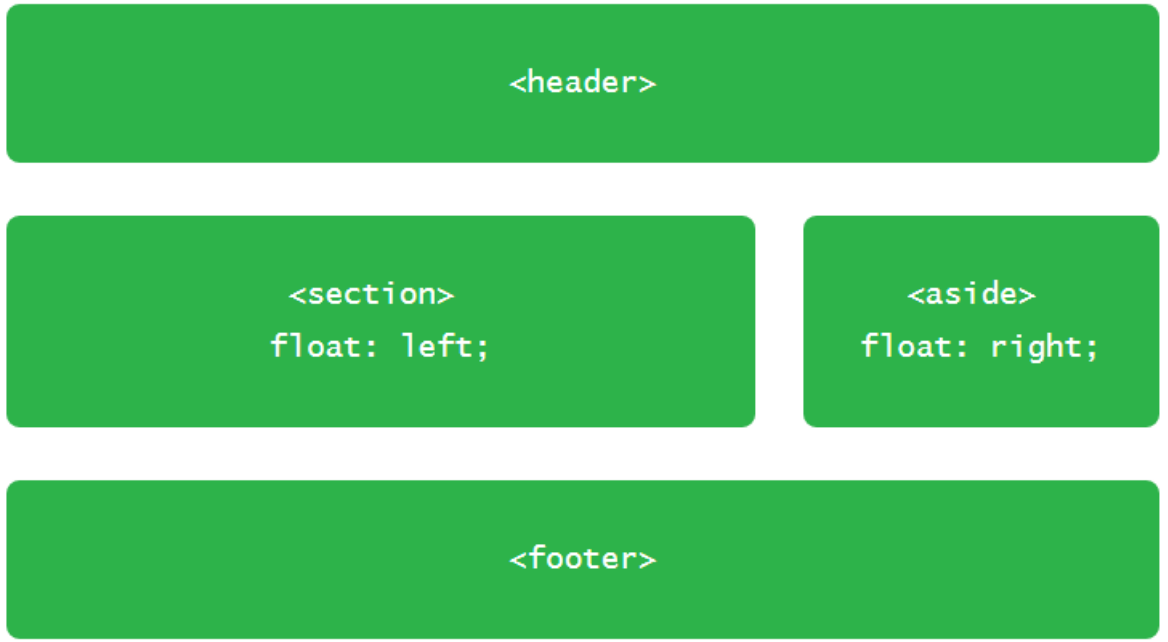
Uchicago Techteam

Positioning with block-level elements

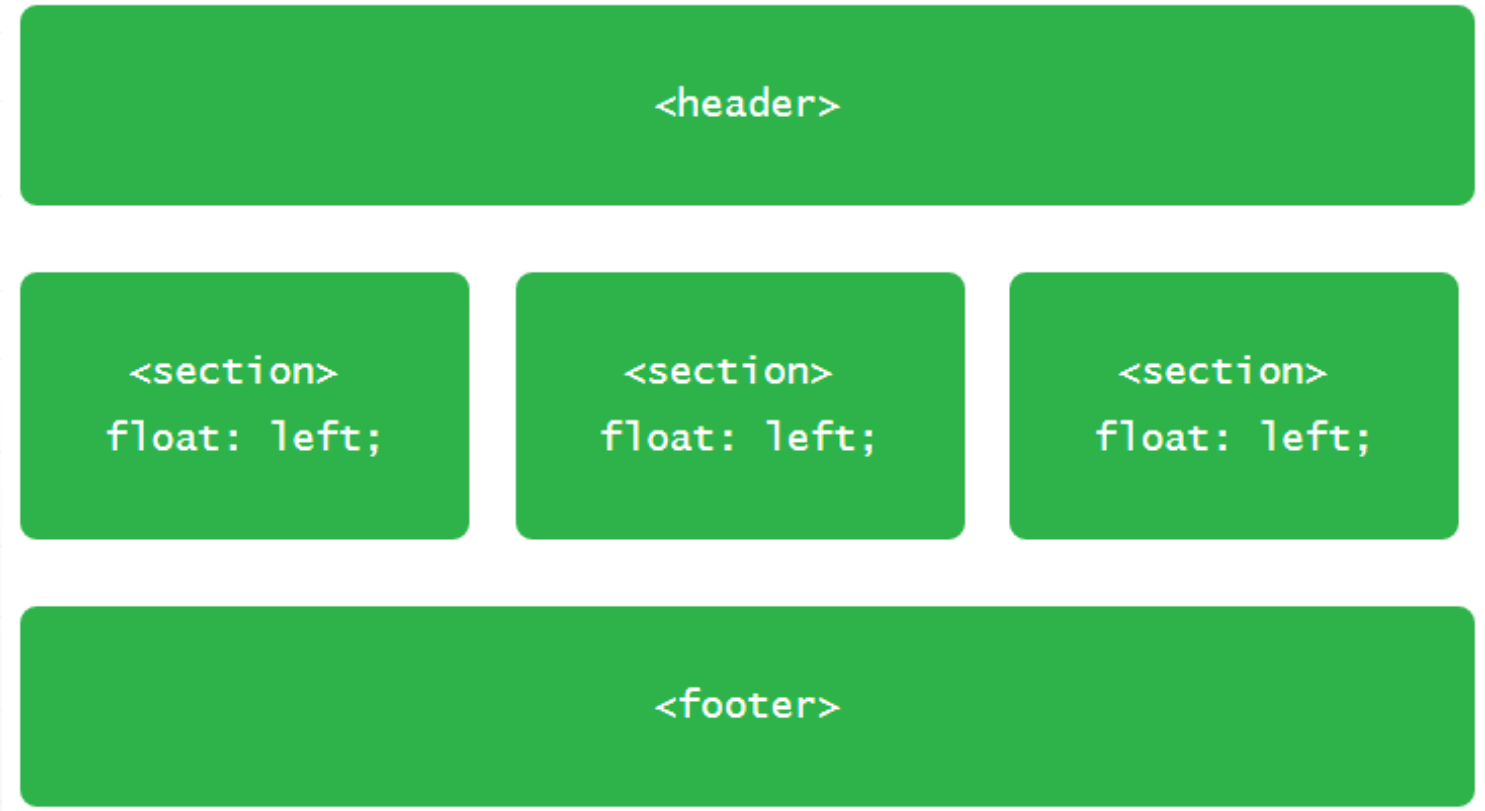


Positioning with floats

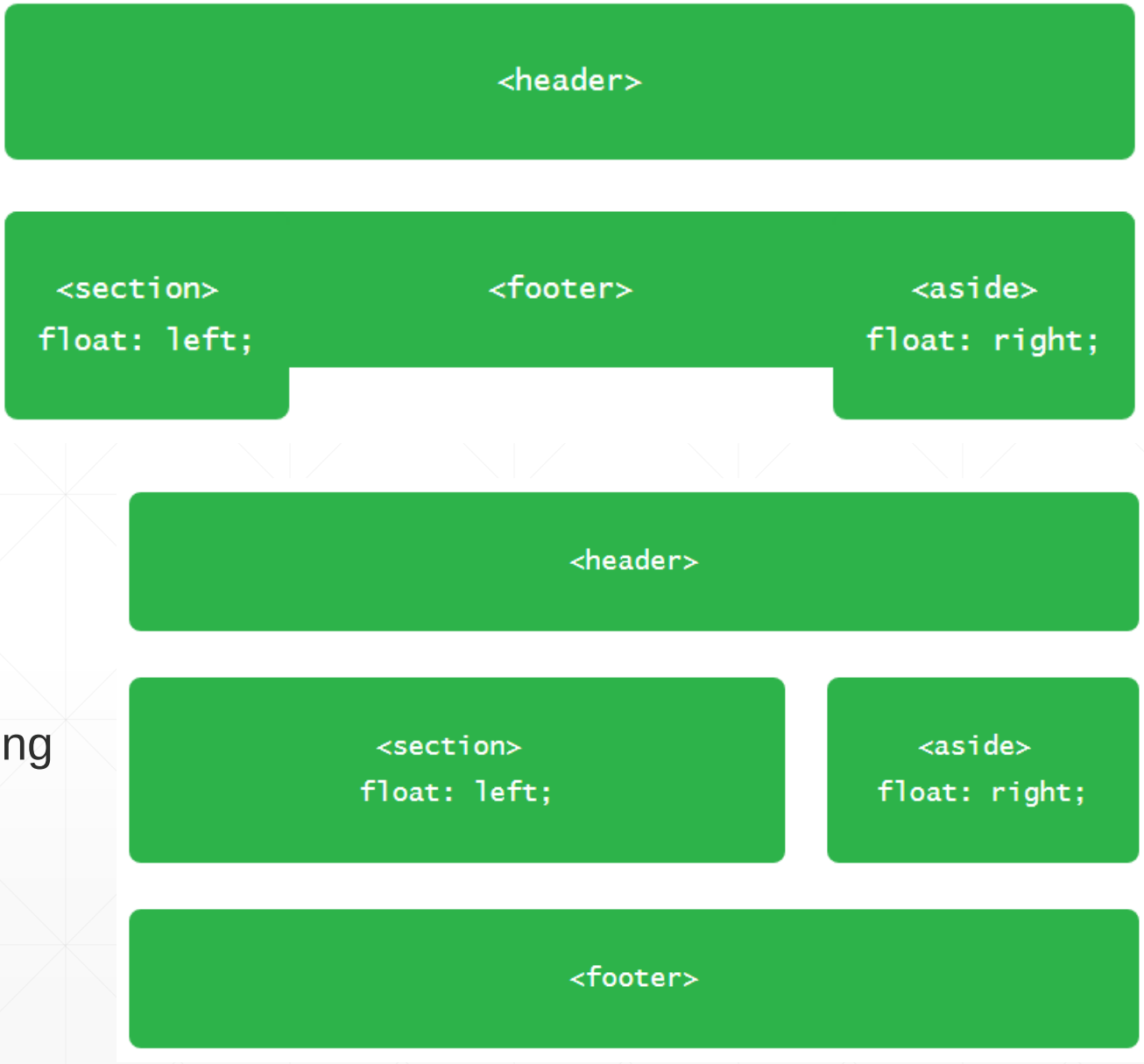
- “float” the element from the normal flow of the page
- NOTE: floating inline-block or inline elements would change the display value to block.
  - Only difference from block: the width is now that of the content



Positioning with floats



Clearing floats



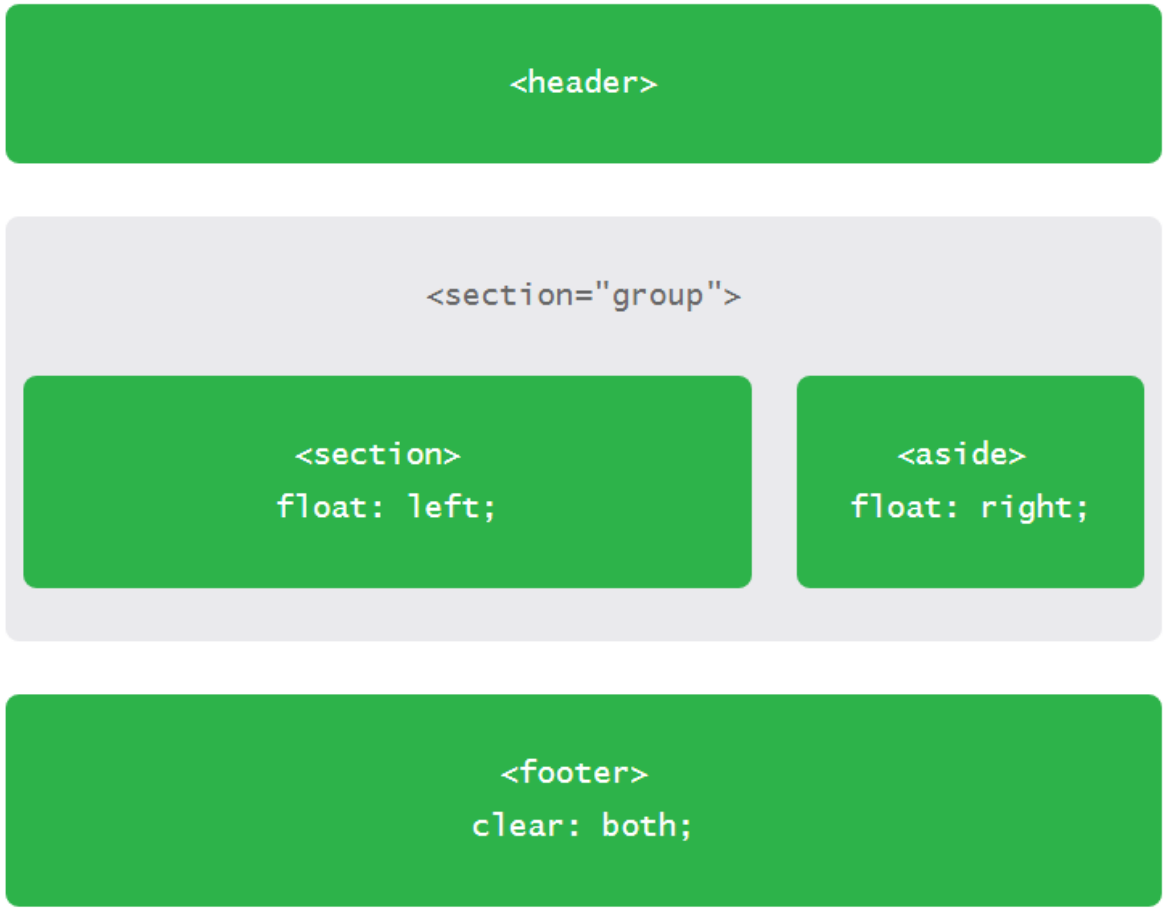
- Need to clear floats for non-floating elements that are affected

```
.footer {
  clear: both;
}
```

```
.group:before, .group:after {
  content: "";
  display: table;
}

.group:after {
  clear: both;
}

.group {
  clear: both;
  *zoom: 1;
}
```

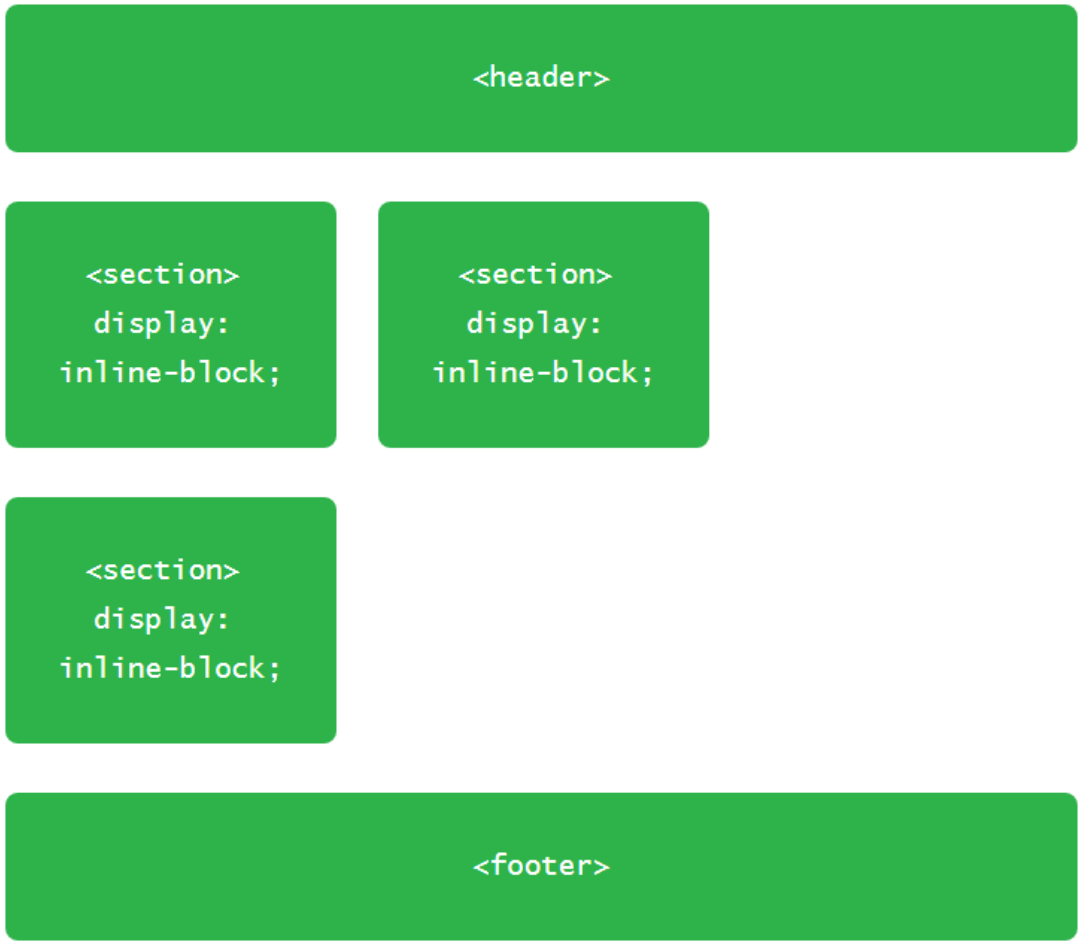


Try on your own!

- (Follow the instructions on http://learn.shayhowe.com/html-css/positioning-content/#practice-1)

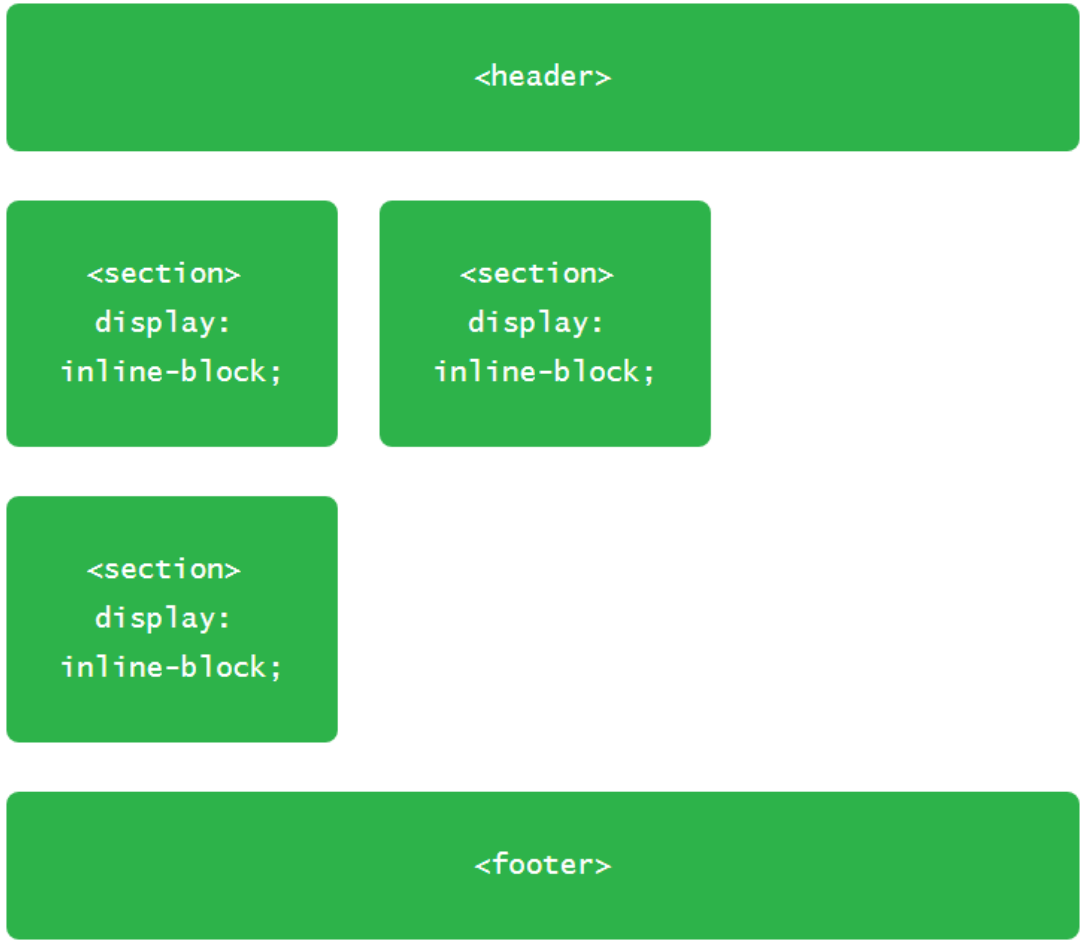
Positioning with inline-block

- Allows similar layout without the need to clear floats
- Each block's width set to 30%, and left, right margins both set to 1.5%
  - -> why does the third block move to the new line?



Positioning with inline-block

- Allows similar layout without the need to clear floats
- Each block's width set to 30%, and left, right margins both set to 1.5%
  - -> why does the third block move to the new line?



<header>

</header> <!—

--> <section>

</section>

Try on your own!

- (Follow the instructions on http://learn.shayhowe.com/html-css/positioning-content/#practice-2)

Unique positioning

- Relative to the original position

```
div {
  height: 100px;
  width: 100px;
}

.offset {
  left: 20px;
  position: relative;
  top: 20px;
}
```

Unique positioning

- Absolute positioning
- Based on the closest parent element that has relative positioning

```
section {
  position: relative;
}

div {
  position: absolute;
  right: 20px;
  top: 20px;
}
```

```
<section>
position: relative;
```

```
<div
class="offset">
position:
absolute;
right: 20px;
top: 20px;
```

Typography – font properties

- color: #555
- font-family: “Lato”, “Helvetica Neue”, Helvetica, Arial, sans-serif
- font-size: 14px
- font-style: normal/italic/oblique/inherit
- font-variant: normal/small-caps/inherit
- font-weight: normal(400), bold(700), bolder, ligher, inherit
  - Or specify with values 100 ~ 900 (font-specific)
- line-height: 22px

Shorthand: font-style, font-variant, font-weight, font-size, line-height, font-family

font: italic small-caps bold 14px/22px “Lato”, “Helvetica Neue”, Helvetica, Arial, sans-serif

Typography –text properties

- Text-align: left, right, center, justify, inherit
- Text-decoration: none, underline, overline, line-through, inherit
- Text-indent 20px, -10px, etc.
- Text-shadow: 3px 6px 2px rgba(0, 0, 0, .3)
- Text-transform: none, capitalize, uppercase, lowercase, inherit
- Letter-spacing: -.5em
- Word-spacing: .25em

Using Google Fonts

- Choose a font from fonts.google.com
- Copy the “<link>” tag offered by Google Fonts, paste to the <head> section of your html
- Apply your font, with name wrapped by “ ”
  - **font: italic small-caps bold 14px/22px “Lato”, “Helvetica Neue”, Helvetica, Arial, sans-serif**

Try on your own!

- (Follow the instructions on http://learn.shayhowe.com/html-css/working-with-typography/#practice-1)
- Let’s try doing all 3

Setting background colors / images

```
div {
  background-color: #b2b2b2;
  background-color: rgba(0, 0, 0, .3);
}
```

```
div {
  background-image: url("alert.png");
  background-position: 20px 10px;
  background-repeat: no-repeat;
}
```

Try on your own!

- (Follow the instructions on http://learn.shayhowe.com/html-css/setting-backgrounds-and-gradients/#practice-1)

Lists: ordered/unordered

```
<ul>
  <li>Orange</li>
  <li>Green</li>
  <li>Blue</li>
</ul>
```

- Orange
- Green
- Blue

```
<ol>
  <li>Head north on N Halsted St</li>
  <li>Turn right on W Diversey Pkwy</li>
  <li>Turn left on N Orchard St</li>
</ol>
```

1. Head north on N Halsted St
2. Turn right on W Diversey Pkwy
3. Turn left on N Orchard St

(for horizontal list)

```
li {
  display: inline-block;  (you can also use float)
  margin: 0 10px;
}
ul {
  list-style-type: square;
}
```

Try on your own!

- (Follow the instructions on http://learn.shayhowe.com/html-css/creating-lists/#practice-1)

Thanks!

You can review the materials at http://learn.shayhowe.com/html-css