

Wireframes & Layout

Wireframes

An image or set of images which displays the functional elements of a website or page, used for planning a site's structure and functionality.

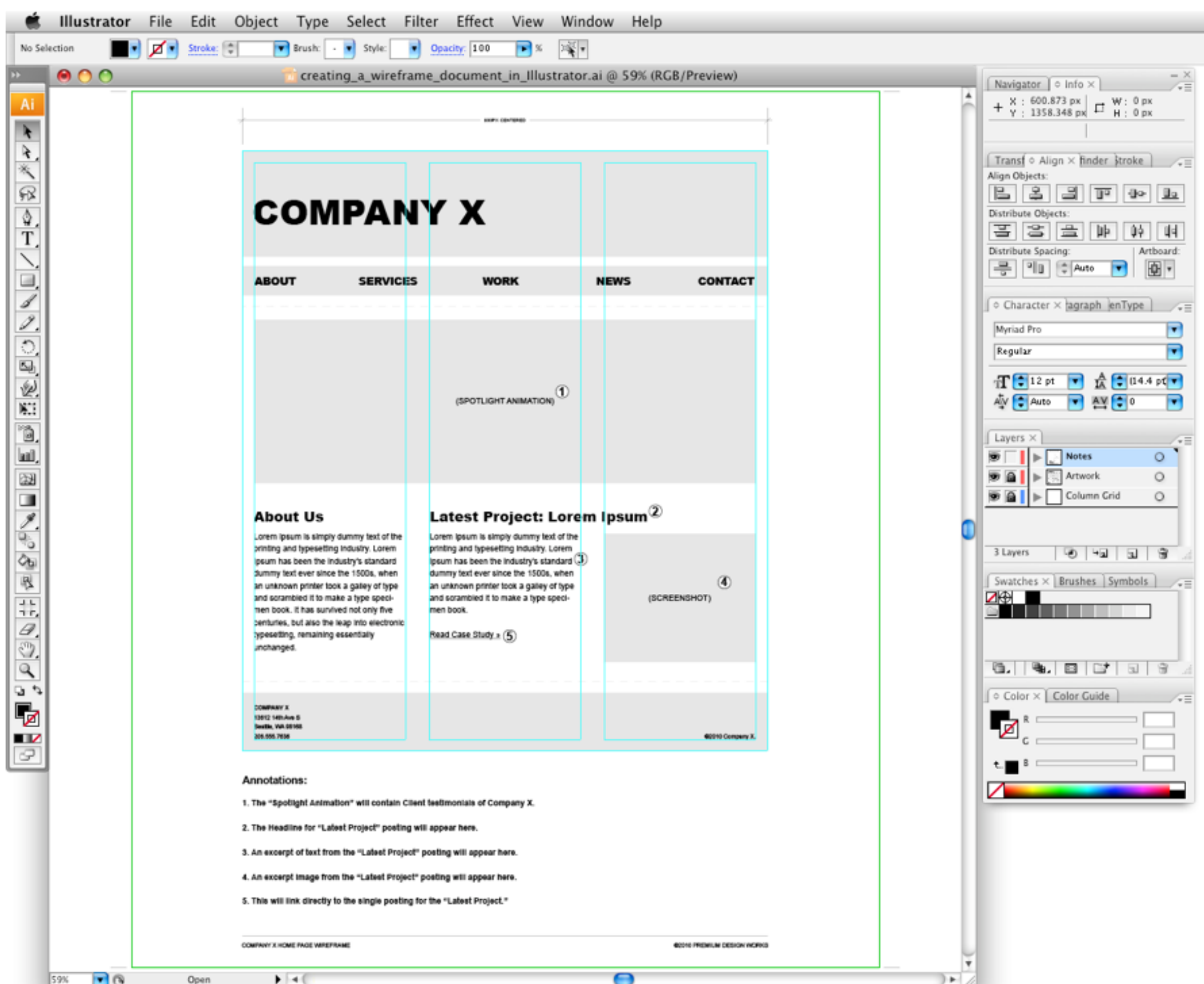
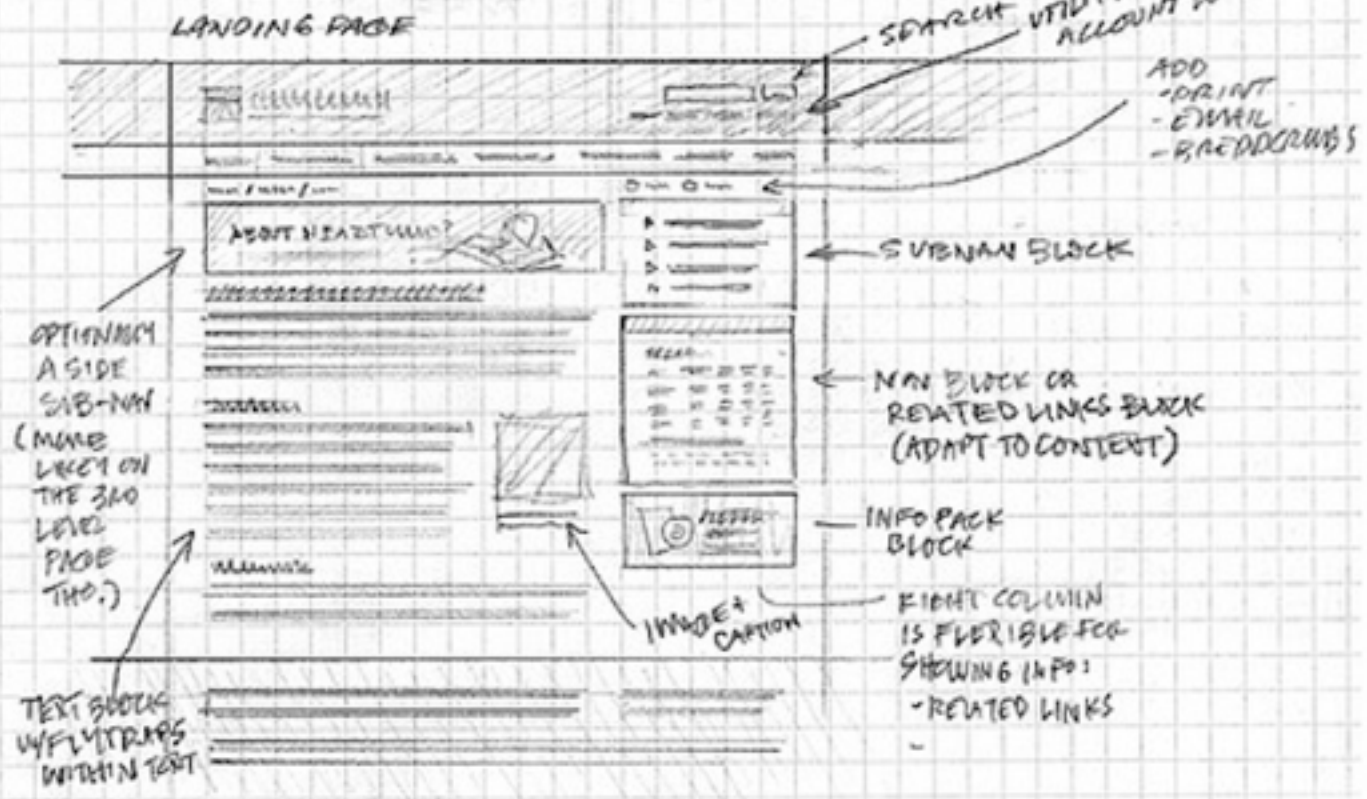
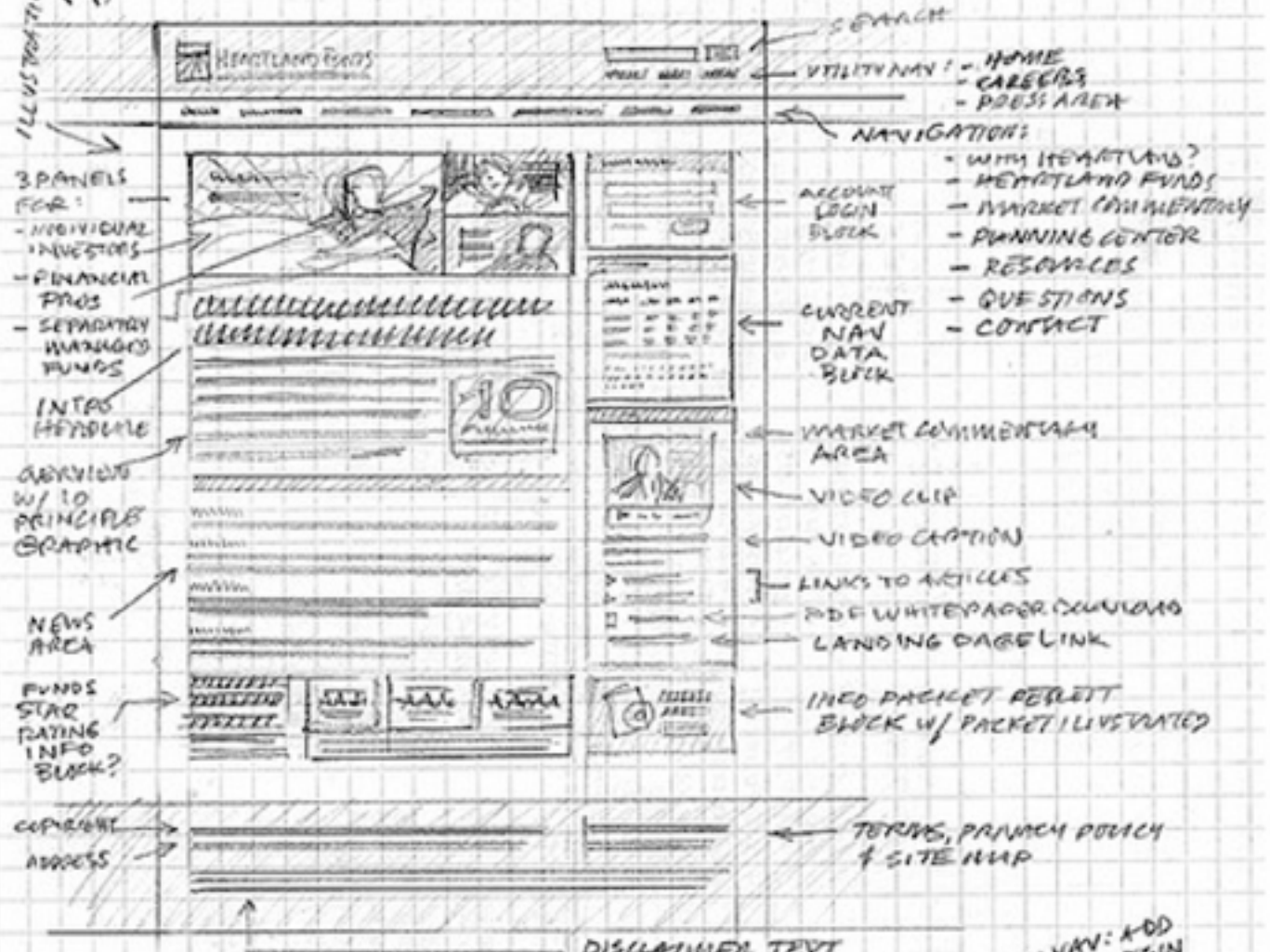


ILLUSTRATION + PHOTO + ART OPTION

HEARTLAND FUNDS - MAINPAGE WIREFRAME v2

1024PX MAX -
0 400-950PX WIDE
+ CENTERED



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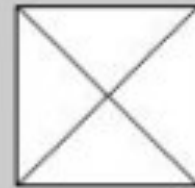
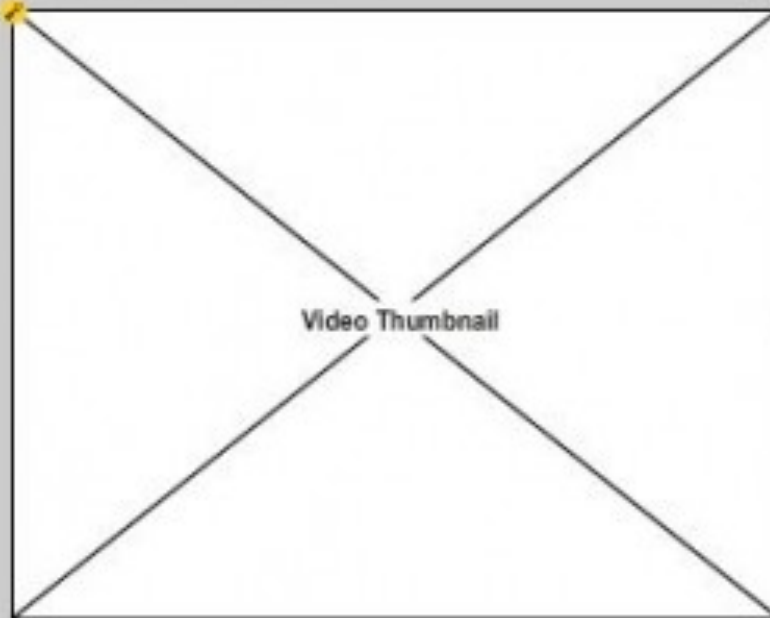
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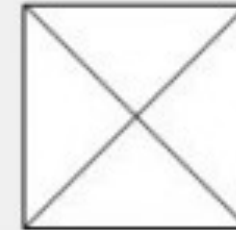
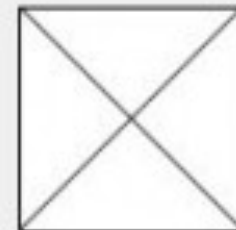
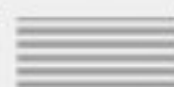
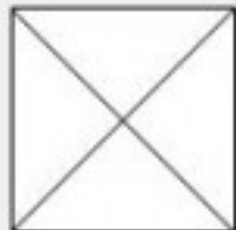
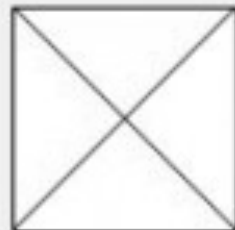
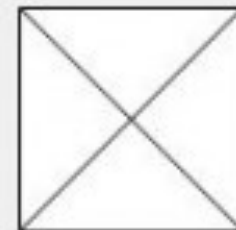
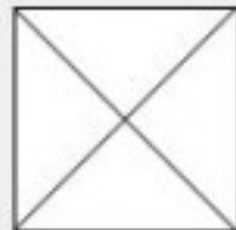
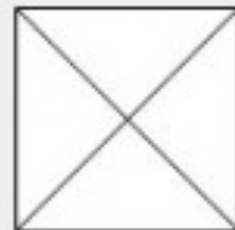
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Featured



Square Pop-Up
251x264

More Videos



YouTube is a Trademark of YouTube.com

Mockups

A realistic representation of what the website will look like. The final result may look exactly like the mockup, or may have slight variations.

Useful Tools

- <http://generator.lorem-ipsum.info/>
- <https://color.adobe.com/create/color-wheel/>
- <https://fonts.google.com/>
- <http://awesome-fontstacks.com/>
- <https://wireframe.cc/>
- <https://www.sketchapp.com>

CSS Units

Absolute: Pixels

```
p {  
  font-size: 12px;  
  width: 400px;  
}
```

Relative: Percentages

```
p {  
  font-size: 12px;  
  width: 50%;  
}
```

Relative: **em**

```
p {  
  font-size: 12px;  
  width: 5em;  
}
```

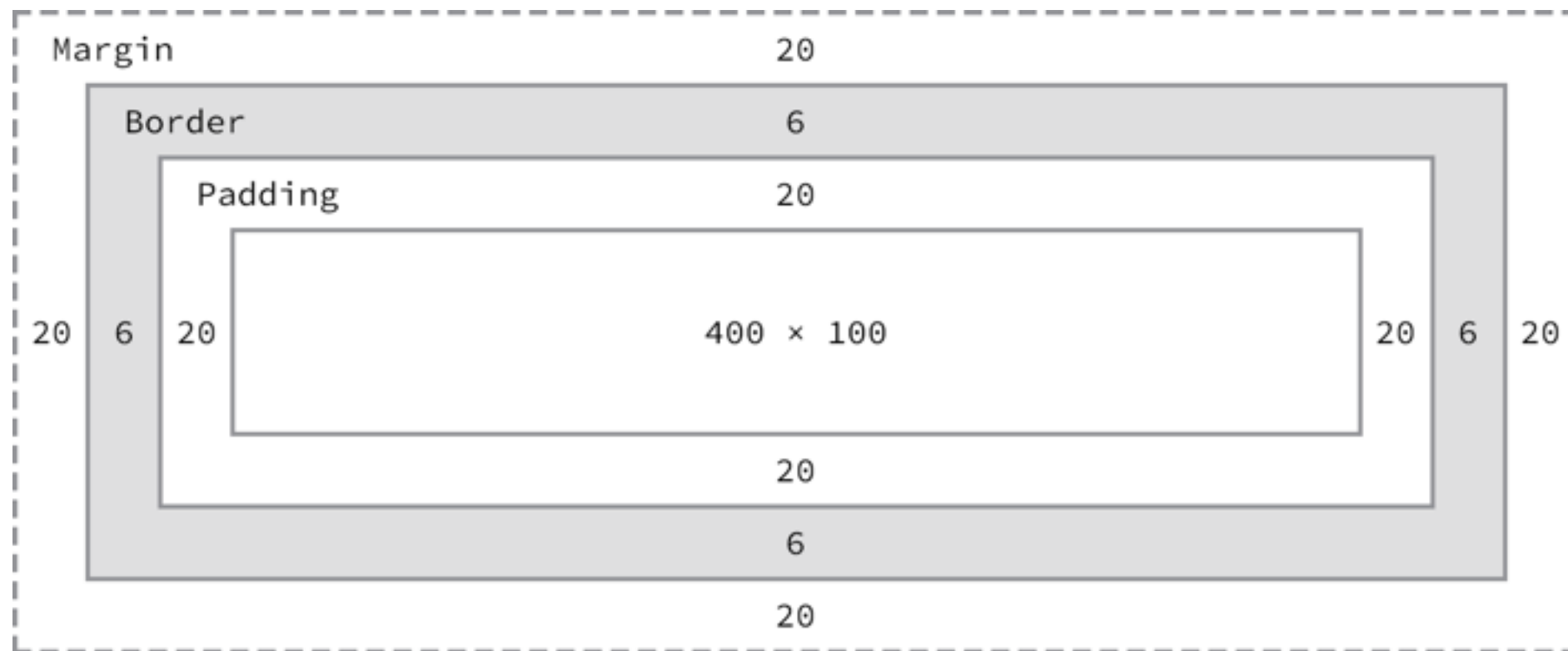
The Box Model

```
<HTML>  
  
<HEAD>  
  <TITLE>Title Text</TITLE>  
</HEAD>  
  
<BODY>  
  <H1>H1 Heading</H1>  
  <P>Paragraph 1</P>  
  <P>Paragraph 2</P>  
</BODY>  
  
</HTML>
```



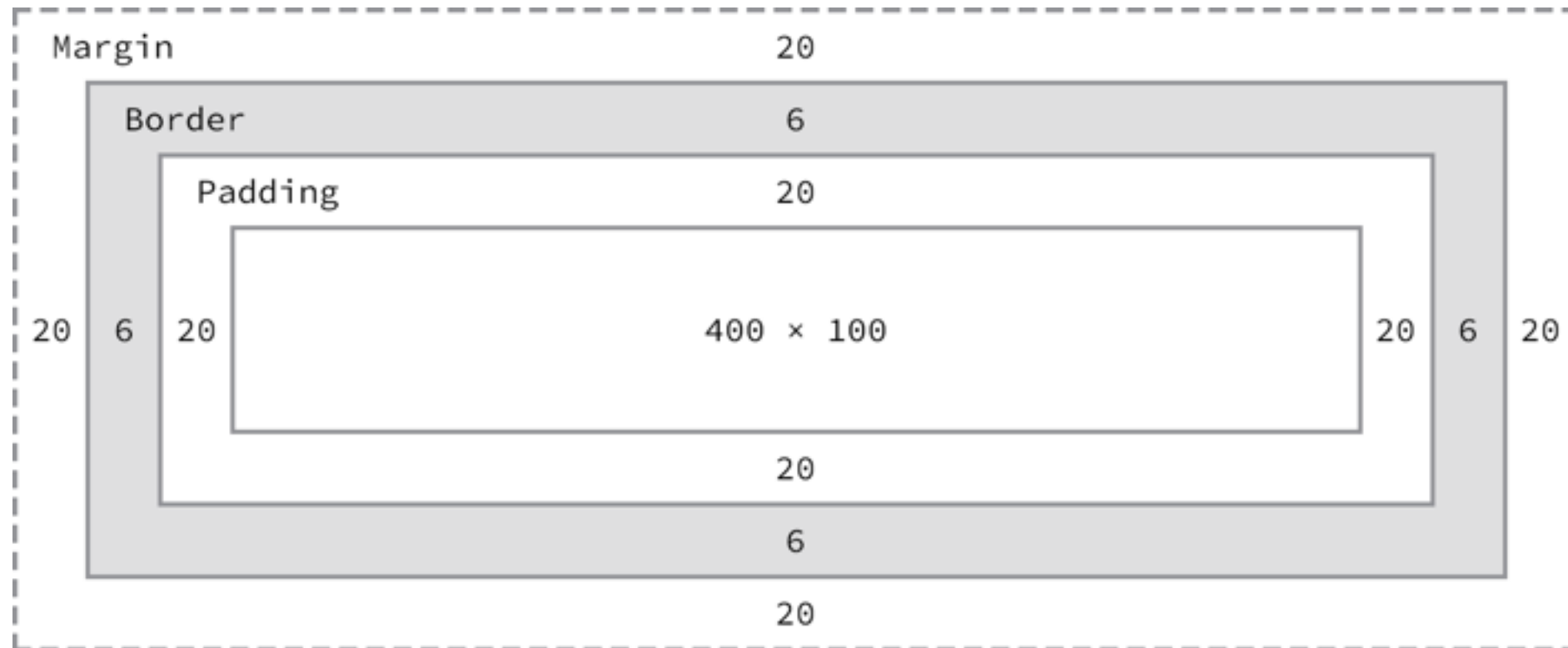
Every element on a page is a rectangular box

Every box element may have width, height, padding, border, and margins.



```
div {  
  width: 400px;  
  height: 100px;  
  padding: 20px;  
  border: 6px solid #949599;  
  margin: 20px;  
}
```


The box model is additive.



$$\begin{aligned} &\text{Total element width} \\ &= 400 + 2 * 20 + 2 * 6 + 2 * 20 \\ &= 496\text{px} \end{aligned}$$

width and height

```
p {  
  width: 200px;  
  height: 400px;  
}
```

margin and padding

```
p {  
  margin: 20px;  
  height: 400px;  
}
```

Margin / padding declarations

```
p {  
    margin: 20px;  
}
```

Margin / padding declarations

```
p {  
    margin: 20px 50px;  
}
```

Margin / padding declarations

```
p {  
  margin: 20px 50px 10px 100px;  
}
```

Margin / padding declarations

```
p {  
    margin-top: 50px;  
    margin-left: 10px;  
}
```

Page Flow

block-level vs inline-level

`display` property

```
p {  
  display: block;  
}
```

`display` property

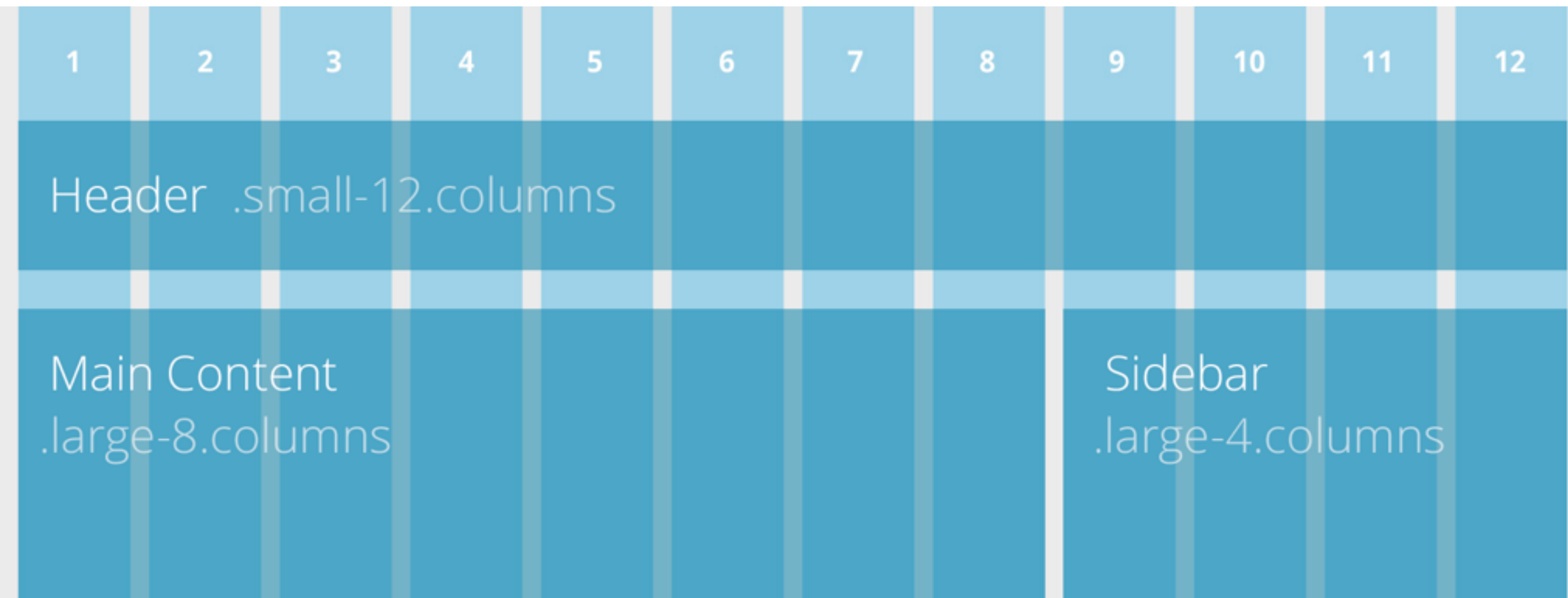
```
p {  
  display: inline;  
}
```

`display` property

```
p {  
  display: none;  
}
```

Positioning Content

The Grid System



the float property

```
p {  
    float: right;  
}
```

Absolute Positioning

```
p {  
    position: absolute;  
    top: 10px;  
    right: 50px;  
}
```


Relative Positioning

```
p {  
  position: relative;  
  top: 10px;  
  right: 50px;  
}
```