

J220

Coding for Journalists

LECTURER

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PROMPTS

Sign into Poll Everywhere:

<https://pollev.com/yolim>

start Zoom recording + captions

Agenda

Announcements

NICAR Brown Bag

Importing fonts

CSS layouts: Float and Position

Advanced CSS Properties

BREAK

Design inspiration

Wireframing

Class Activity/GAME?

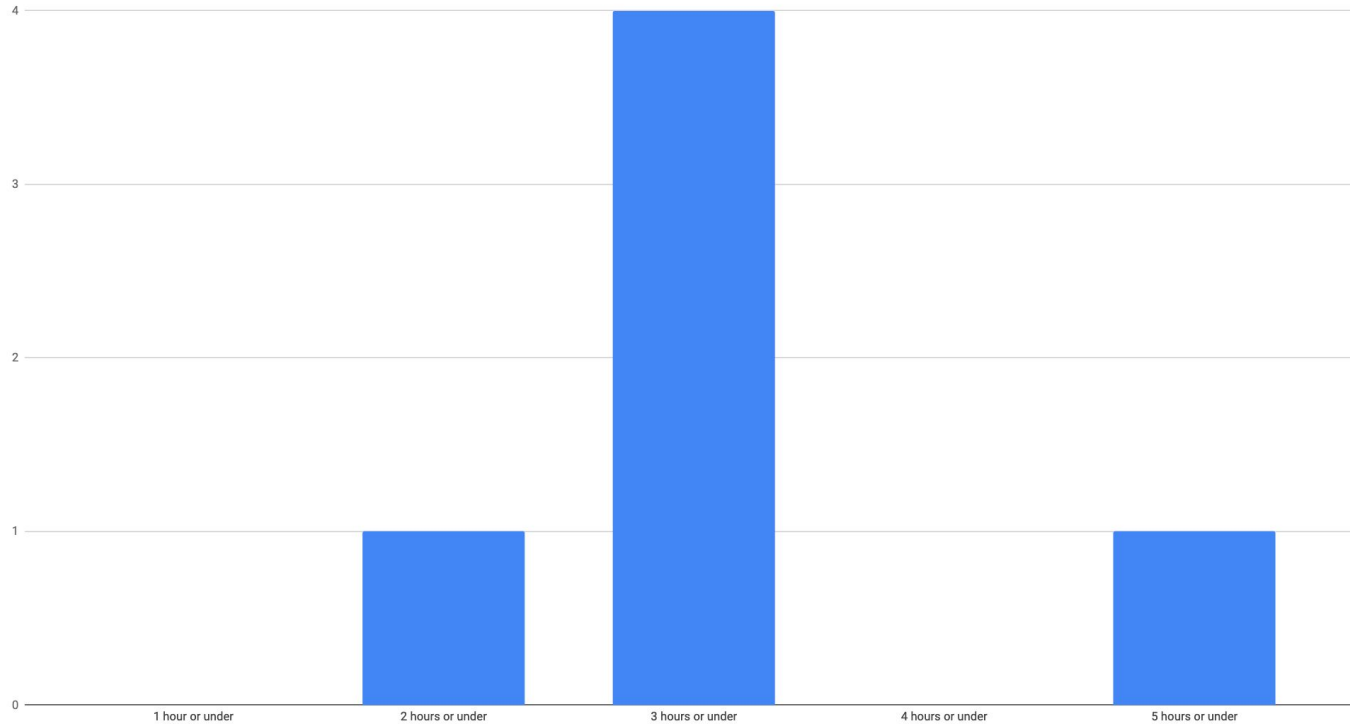
Homework

Announcements

Start thinking about your final project

How much time spent on J220

Week of 03-04: Number of students grouped by hours spent outside of lecture and office hours



NICAR Brown Bag

Organizing

<> index.html

📁 styles/

main.css

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport"
  content="width=device-width,initial-scale=1">
    <meta name="description" content="Course website for JOURN
  220">
    <title>JOURN 220</title>

    <!-- Put your fonts and other CSS here -->
    <link rel="stylesheet" href="./styles/main.css">
  </head>
  ...
```

Always needs to be first
line in html file

Organizing

<> index.html

📁 styles/

main.css

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport"
      content="width=device-width,initial-scale=1">
    <meta name="description" content="Course website for JOURN
      220">
    <title>JOURN 220</title>

    <!-- Put your fonts and other CSS here -->
    <link rel="stylesheet" href="./styles/main.css">
  </head>
  ...
```

always include natural language of page

Organizing

<> index.html

📁 styles/

main.css

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport"
      content="width=device-width,initial-scale=1">
    <meta name="description" content="Course website for JOURN
      220">
    <title>JOURN 220</title>

    <!-- Put your fonts and other CSS here -->
    <link rel="stylesheet" href="../styles/main.css">
  </head>
  ...
```

<meta charset="utf-8">
should be the 1st line in **<head>**
(even HTML comments should
come after)

Organizing

<> index.html

📁 styles/

main.css

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport"
      content="width=device-width,initial-scale=1">
    <meta name="description" content="Course website for JOURN
      220">
    <title>JOURN 220</title>

    <!-- Put your fonts and other CSS here -->
    <link rel="stylesheet" href="./styles/main.css">
  </head>
  ...
```

Add your CSS file (and fonts)
after the meta tags
information.

Organizing

<> index.html

 styles/

main.css

This isn't the only place you can place your CSS files, but it's common to have **main.css** inside a **styles/** folder.

```
/* */
```

Organizing

Let's create a new folder together in the folder you have for this class:

1. Name of folder: inclassFolder
2. Inside, create an styles and assets folder
3. Inside of styles save a main.css file
4. Create a index.html file in the root
5. Add head meta data to your index file and link to main.css

Will walk around to confirm

What questions
do you have?

Importing fonts

Google Fonts

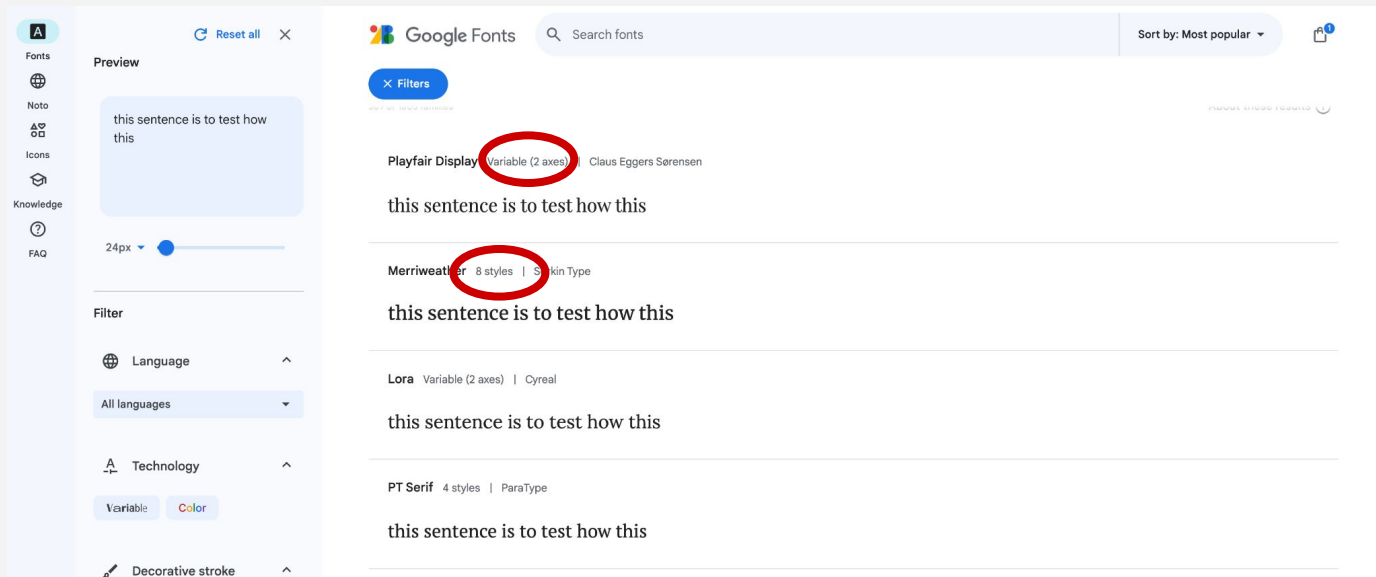
How do you add special fonts to your website?

Google Fonts is the easiest way: <https://fonts.google.com>

Adobe Fonts is the next easiest way but might cost money:
<https://fonts.adobe.com>

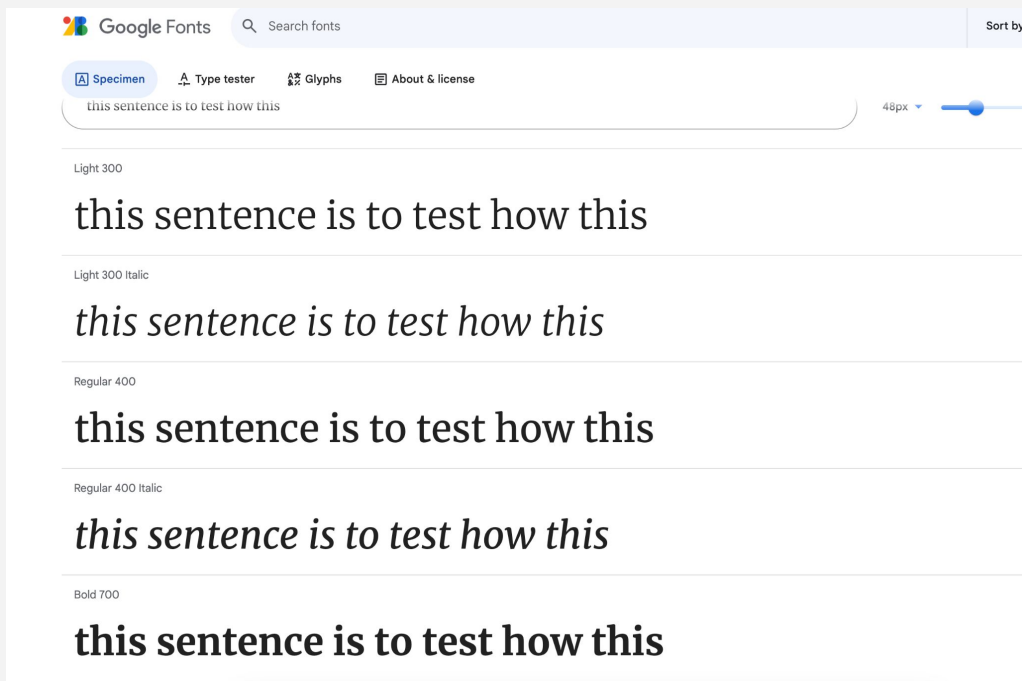
Google Fonts

Review the variations that come with the font. Before clicking, you'll see the number of variations it offers



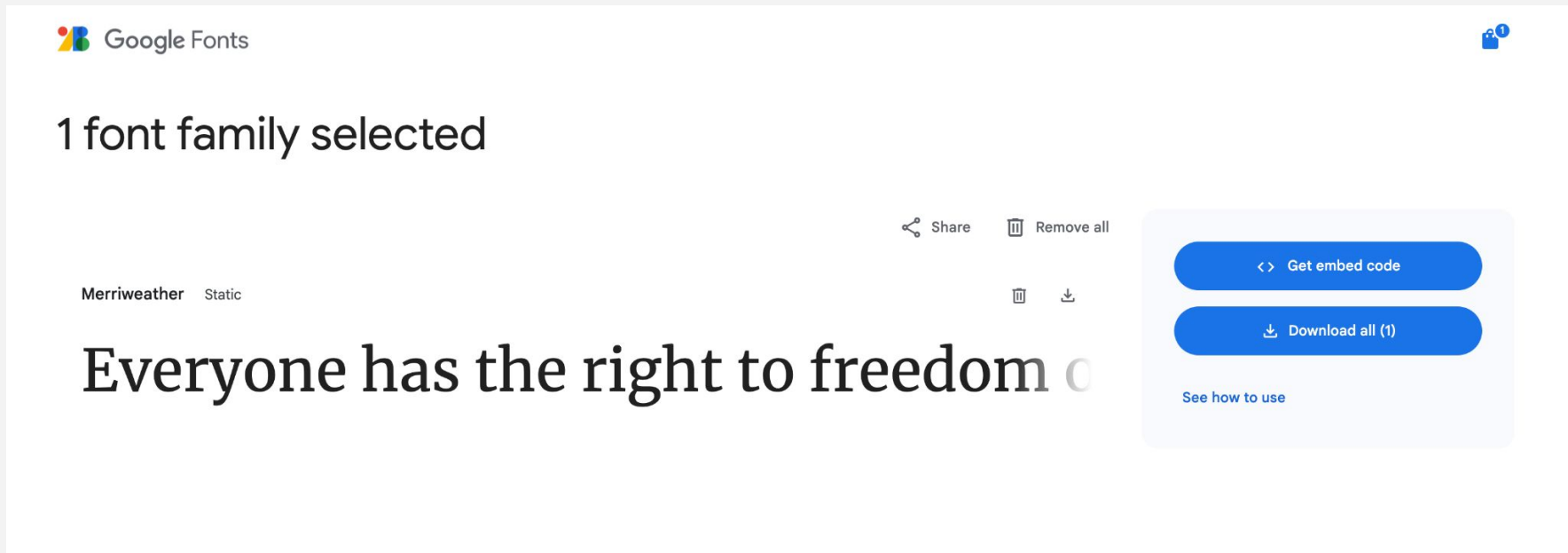
Google Fonts

The next page gives you a chance to see what all the variations look like



Google Fonts

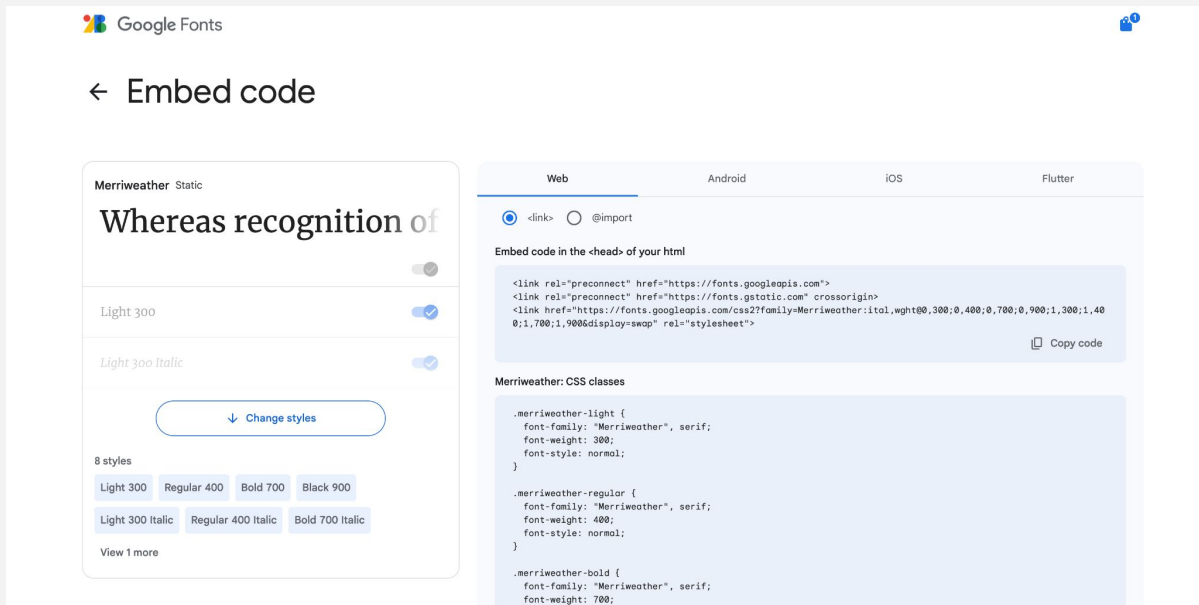
In the top right corner, click on the 'Get Font' button. You should now see this. From here, click on 'Get embed code'



The screenshot shows the Google Fonts interface. At the top left, the Google Fonts logo is visible. In the top right corner, there is a blue lock icon with a '1' next to it. Below the logo, the text '1 font family selected' is displayed. Underneath, the font family 'Merriweather' is listed with the style 'Static'. To the right of the font name, there are icons for 'Share', 'Remove all', and a download icon. Below these icons, the text 'Everyone has the right to freedom of' is displayed in a large, bold font. On the right side of the interface, there are two blue buttons: 'Get embed code' and 'Download all (1)'. Below these buttons, there is a link that says 'See how to use'.

Google Fonts

From this screen, select the variants you need and COPY the embed code



The screenshot shows the Google Fonts interface for the Merriweather font family. The page is titled 'Embed code' and displays the font name 'Merriweather Static' and a sample text 'Whereas recognition of'. Below the sample, there are options to select font styles: 'Light 300' (selected), 'Light 300 Italic', and a 'Change styles' button. A list of 8 styles is shown, including 'Light 300', 'Regular 400', 'Bold 700', 'Black 900', 'Light 300 Italic', 'Regular 400 Italic', and 'Bold 700 Italic'. On the right side, there are tabs for 'Web', 'Android', 'iOS', and 'Flutter'. The 'Web' tab is selected, showing options for '<link>' (selected) and '@import'. Below this, there is a section for 'Embed code in the <head> of your html' with a code block containing the following HTML code:

```
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Merriweather:ital,wght@0,300;0,400;0,700;0,900;1,300;1,400;1,700;1,900&display=swap" rel="stylesheet">
```

A 'Copy code' button is located next to the code block. Below the code block, there is a section for 'Merriweather: CSS classes' with the following CSS code:

```
.merriweather-light {
  font-family: "Merriweather", serif;
  font-weight: 300;
  font-style: normal;
}

.merriweather-regular {
  font-family: "Merriweather", serif;
  font-weight: 400;
  font-style: normal;
}

.merriweather-bold {
  font-family: "Merriweather", serif;
  font-weight: 700;
}
```

Google Fonts

Paste the text inside <head>

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <title>Assignment 7</title>
    <meta name="description" content="A page for students to practice
    creating html and css from scratch.">
    <link rel="stylesheet" href="./styles/main.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Merriweather:ital,wght@0,300;0,400;0,700;0,900;1,300;1,400;1,700;1,900&display=swap"
    rel="stylesheet">
  </head>
```


Google Font

CSS rules to specify families

```
font-family: 'Montserrat', sans-serif;
```

I recommend putting font-family within body, like so:

```
body {  
  font-family: 'Montserrat' sans-serif;  
}
```

Importing Fonts

Propublica's weepeople

<https://github.com/propublica/weepeople?tab=readme-ov-file>

OpenNews writeup:

<https://source.opennews.org/articles/our-font-made-people/>

What questions
do you have?

CSS layouts: Float and Position

CSS Float

In class, we'll use this mostly to change the position on an image. But any HTML element can be floated.

Easier to see it in action, open float.html in your browser and let's review the code.

CSS Float

Here's a simplified version of the page. Each figure has been given a class.

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <title>Advanced CSS</title>
    <meta name="description" content="A page that shows how to use CSS floats.">
    <link rel="stylesheet" href="./styles/main.css">
  </head>
  <body>
    <main>
      <h1>Examples of using the float property</h1>
      <section>
        <h2>Using float left</h2>
        <figure class="floatLeft">
          
          <figcaption>Sometimes petting a cat.</figcaption>
        </figure>
        <p>Cras fermentum blandit porttitor.</p>
      </section>
    </main>
  </body>
</html>
```

CSS Float

Assume CSS file is
always linked

```
/* .styles/main.css */
```

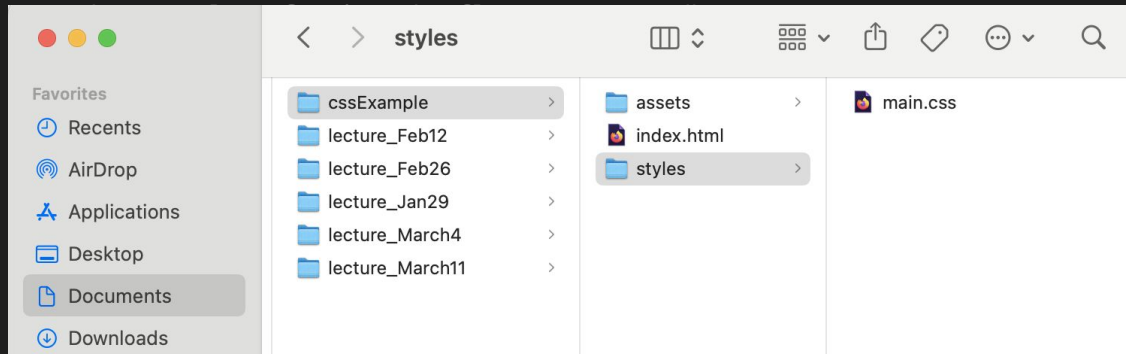
```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <title>Advanced CSS</title>
    <meta name="description" content="A page that shows how to use CSS floats.">
    <link rel="stylesheet" href="./styles/main.css">
  </head>
  <body>
    <main>
      <h1>Examples of using the float property</h1>
      <section>
        <h2>Using float left</h2>
        <figure class="floatLeft">
          
          <figcaption>Sometimes petting a cat.</figcaption>
        </figure>
        <p>Cras fermentum blandit porttitor.</p>
      </section>
    </main>
  </body>
</html>
```

CSS Float

Assume CSS file is
always linked

```
/* .styles/main.css */
```

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <title>Advanced CSS</title>
    <meta name="description" content="A page that shows how to use CSS floats.">
    <link rel="stylesheet" href="./styles/main.css">
  </head>
  <body>
    <main>
```



```
</body>
</html>
```


CSS Float

Showing just a section of the html page (because of limited space in slides)

```
<main>
  <h1>Examples of using the float property</h1>
  <section>
    <h2>Using float left</h2>
    <figure class="floatLeft">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float right</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatRight">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float none</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatNone">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
</main>
```

CSS Float

Let's do some basic styling to see the page.

```
html {
  font-size: 16px;
}

main {
  width: 80%;
  margin: 0 auto;
}

img {
  width: 100%;
}
```

```
<main>
  <h1>Examples of using the float property</h1>
  <section>
    <h2>Using float left</h2>
    <figure class="floatLeft">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float right</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatRight">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float none</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatNone">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
</main>
```

CSS Float

Let's do some basic styling to see the page.

```
html {  
  font-size: 16px;  
}  
  
main {  
  width: 80%;  
  margin: 0 auto;  
}  
  
img {  
  width: 100%;  
}
```

```
<main>  
<h1>Examples of using the float property</h1>
```

Examples of using the float property

Using float left



Sometimes petting a cat can help with stress

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

```
<p>Cras fermentum blandit porttitor.</p>  
</section>  
</main>
```

The page is centered and all our images have a width of 100%

CSS Float

The old styling remains, let's try CSS float.

```
.floatLeft {  
  float: left;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>  
    <figure class="floatLeft">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float right</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatRight">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float none</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatNone">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
</main>
```

CSS Float

The old styling remains, let's try CSS float.

```
.floatLeft {  
  float: left;  
}
```

Examples of using the float property

Using float left



Sometimes petting a cat can help with stress

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

```
<p>Cras fermentum blandit porttitor.</p>  
</section>  
</main>
```

Appears like nothing has happened

CSS Float

The old styling remains, let's try CSS float.

```
.floatLeft {  
  float: left;  
  width: 30%;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>  
    <figure class="floatLeft">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float right</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatRight">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float none</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatNone">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
</main>
```

CSS Float

The old styling remains, let's float.

```
.floatLeft {  
  float: left;  
  width: 30%;  
}
```

Examples of using the float property

Using float left

figure.floatLeft 150.48 x 144.45



Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur

rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus

```
<main>  
<h1>Examples of using the float property</h1>  
<section>
```

```
<p>Cras fermentum blandit porttitor.</p>  
</section>  
</main>
```

Despite having a display of block, float allows content to wrap around it.

Notice figure still retains its inherit margins.

CSS Float

The old styling remains, let's try CSS float.

```
.floatLeft {  
  float: left;  
  width: 30%;  
  margin: 1rem 2rem 1rem 0;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>  
    <figure class="floatLeft">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float right</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatRight">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float none</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatNone">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
</main>
```


CSS Float

The old styling remains, let's try CSS float.

```
.floatLeft {  
  float: left;  
  width: 30%;  
  margin: 1rem 2rem 1rem 0;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>
```

Examples of using the float property

Using float left



Sometimes petting a cat can help with stress

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum.

Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus

```
</figure>  
<p>Cras fermentum blandit porttitor.</p>  
</section>  
</main>
```

We override the spacing with our own margins

What questions
do you have?

CSS Float

Float right works the same way

```
.floatLeft {
  float: left;
  width: 30%;
  margin: 1rem 2rem 1rem 0;
}
.floatRight {
  float: right;
  width: 30%;
}
```

```
<main>
  <h1>Examples of using the float property</h1>
  <section>
    <h2>Using float left</h2>
    <figure class="floatLeft">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float right</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatRight">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float none</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatNone">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
</main>
```

CSS Float

Float right works the same way

```
.floatLeft {  
  float: left;  
  width: 30%;  
  margin: 1rem 2rem 1rem 0;  
}  
.floatRight {  
  float: right;  
  width: 30%;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>  
    <figure class="floatLeft">  
      
```

Using float right

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.



Sometimes petting a cat can help with stress

```
</cras fermentum blandit porttitor.</p>  
</section>  
</main>
```

CSS Float

Float none stops an element from floating

```
.floatLeft {
  float: left;
  width: 30%;
  margin: 1rem 2rem 1rem 0;
}
.floatRight {
  float: right;
  width: 30%;
}
.floatNone {
  float: none;
  width: 30%;
}
```

```
<main>
  <h1>Examples of using the float property</h1>
  <section>
    <h2>Using float left</h2>
    <figure class="floatLeft">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float right</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatRight">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float none</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="floatNone">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
</main>
```

CSS Float

Float none stops an element from floating

```
.floatLeft {
  float: left;
  width: 30%;
  margin: 1rem 2rem 1rem 0;
}
.floatRight {
  float: right;
  width: 30%;
}
.floatNone {
  float: none;
  width: 30%;
}
```

```
<main>
  <h1>Examples of using the float property</h1>
  <section>
    <h2>Using float left</h2>
    <figure class="floatLeft">
      Cras fermentum blandit porttitor.</p>
</section>
</main>
```

So why use it?

CSS Float

Maybe you have a class that floats all images, but there is one you don't want floating. Can select and remove the float.

```
<main>
  <h1>Examples of using the float property</h1>
  <section>
    <h2>Using float left</h2>
    <figure class="imgWrap">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float right</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="imgWrap">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
  <section>
    <h2>Using float none</h2>
    <p>Cras fermentum blandit porttitor.</p>
    <figure class="imgWrap floatNone">
      
      <figcaption>Sometimes petting a cat.</figcaption>
    </figure>
    <p>Cras fermentum blandit porttitor.</p>
  </section>
</main>
```

CSS Float

Using this CSS Property removes the element from the flow of the page. So even though h2 are a block element and has margins, the float can seem to override them.

Examples of using the float property

Using float left



Sometimes petting a cat can help with stress

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

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CSS Float

Introduction to clear:

<https://developer.mozilla.org/en-US/docs/Web/CSS/clear>

```
section {  
  clear: both;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>  
    <figure class="floatLeft">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float right</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatRight">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float none</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatNone">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
</main>
```

CSS Float

Introduction to clear

<https://developer.mozilla.org/en-US/docs/Web/CSS/clear>

```
section {  
  clear: both;  
}
```

Examples of using the float property

Using float left



Sometimes petting a cat can help with stress

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rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Using float right

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Sometimes petting a cat can help with stress

Using float none

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</main>

No clear

Examples of using the float property

Using float left



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Using float none

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Sometimes petting a cat can help with stress

Examples of using the float property

Using float left



Sometimes petting a cat can help with stress

rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Using float right

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CSS Float

Clear also accepts, right and left, so if you are okay with certain overflow

```
section {  
  clear: left;  
}
```

```
<main>  
  <h1>Examples of using the float property</h1>  
  <section>  
    <h2>Using float left</h2>  
    <figure class="floatLeft">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float right</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatRight">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
  <section>  
    <h2>Using float none</h2>  
    <p>Cras fermentum blandit porttitor.</p>  
    <figure class="floatNone">  
        
      <figcaption>Sometimes petting a cat.</figcaption>  
    </figure>  
    <p>Cras fermentum blandit porttitor.</p>  
  </section>  
</main>
```

CSS Float

Clear also accepts, right and left, so if you are okay with certain overflow

```
section {  
  clear: left;  
}
```

```
<main>
```

Examples of using the float property

Using float left



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```
</section>
```

```
</main>
```

What questions
do you have?

CSS Position

Float doesn't solve all our element positioning problems. What if you want the photo to stay on the page? Or you want it to scroll away?

CSS Position

Values accepted:

- static (default)
- relative
- absolute
- fixed
- sticky

<https://developer.mozilla.org/en-US/docs/Web/CSS/position>

CSS Position

Best to just see it in action. This property accepts these CSS values:

-top

-bottom

-left

-right

They work similar to margin

CSS Position

Sometimes it's best to just play around with these.

Let's look the position.html file

Advanced CSS: UX/UI

Advanced CSS: UX/UI

Start thinking about the user experience (UX) and user interface (UI). Good UX/UI can be easy to not notice, but bad UX/UI will create twitter threads.

There's a way to use CSS to give a *delightful* and *finished* look to your site, especially when users are using a mouse and accessing the site via keyboard.

Advanced CSS: Transition

Transforms

Animation

Pseudo

Advance CSS: UX, Animation and Design

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pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare morbi eget enim pretium pharetra eget viverra neque. Nulla vitae morbi. Donec consectetur metus eu augue consectetur rutrum. Nulla maximus aliquam. Sed vel feugiat risus, sed varius justo. Morbi aliquet ac.

ipsum, blandit luctus velit. Vestibulum ac ligula. Pellentesque

Cras vulputate augue ut morbi. Fusce porttitor neque nulla, non consectetur neque finibus nagnis dis parturient montes, nascetur ridiculus mus. Proin eu lisi. Maecenas egestas nisi a ante auctor, et euismod mauris t amet placerat sit amet, aliquam vitae magna.

[Go back to the top](#)

Pseudo-classes

We've used some of these before but haven't properly explained them. Let's look at how they work in context of the `a` tag.

Pseudo-classes

:hover, :focus, :active

Think about these pseudo-classes as a way to manipulate the styling depending on the 'special state' of the element.

They can be used on **any** HTML element on the page, not just <a> tags.

```
a:visited {
  color: purple;
}
a:hover {
  color: seagreen;
}
a:focus {
  color: orange;
}
a:active {
  color: red;
}
```

Transitions

Here is the css for our working nav.

.navLinks and .navLinks li will remain the same. We'll remove to create some space on the slides.

```
.navLinks {
  list-style-type: none;
  margin: 0;
  padding: 0;
}

.navLinks li {
  display: inline-block;
  font-size: 2rem;
  margin: 1rem 1rem 0 0;
}

.navLinks a {
  display: inline-block;
  text-decoration: none;
  color: #084F5E;
  border: 1px solid #084F5E;
  padding: 0.2rem 1rem;
  width: 200px;
  text-align: center;
}

.navLinks a:hover {
  color: white;
  background-color: #084F5E;
  border-radius: 0.5rem;
}
```


Transitions

For transitions:

- Name of the CSS property the transition is being applied to

```
.navLinks a {  
  display: inline-block;  
  text-decoration: none;  
  color: #084F5E;  
  border: 1px solid #084F5E;  
  padding: 0.2rem 1rem;  
  width: 200px;  
  text-align: center;  
  transition-property: background-color, color, border-radius;  
}
```

```
.navLinks a:hover {  
  color: white;  
  background-color: #084F5E;  
  border-radius: 0.5rem;  
}
```

Transitions

For transitions:

- Name of the CSS property the transition is being applied to
- The amount of time it should take

```
.navLinks a {  
  display: inline-block;  
  text-decoration: none;  
  color: #084F5E;  
  border: 1px solid #084F5E;  
  padding: 0.2rem 1rem;  
  width: 200px;  
  text-align: center;  
  transition-property: background-color, color, border-radius;  
  transition-duration: 2s;  
}  
  
.navLinks a:hover {  
  color: white;  
  background-color: #084F5E;  
  border-radius: 0.5rem;  
}
```

Transitions

For transitions:

- The transition effect

<https://developer.mozilla.org/en-US/docs/Web/CSS/transition-timing-function>

If none is selection, ease is default

```
.navLinks a {
  display: inline-block;
  text-decoration: none;
  color: #084F5E;
  border: 1px solid #084F5E;
  padding: 0.2rem 1rem;
  width: 200px;
  text-align: center;
  transition-property: background-color, color, border-radius;
  transition-duration: 2s;
  transition-timing-function: linear;
}

.navLinks a:hover {
  color: white;
  background-color: #084F5E;
  border-radius: 0.5rem;
}
```

Transitions

For transitions:

- The amount of time the user will wait before the transition starts (I rarely use this)

```
.navLinks a {  
  display: inline-block;  
  text-decoration: none;  
  color: #084F5E;  
  border: 1px solid #084F5E;  
  padding: 0.2rem 1rem;  
  width: 200px;  
  text-align: center;  
  transition-property: background-color, color, border-radius;  
  transition-duration: 2s;  
  transition-timing-function: linear;  
  transition-delay: 1s;  
}
```

```
.navLinks a:hover {  
  color: white;  
  background-color: #084F5E;  
  border-radius: 0.5rem;  
}
```

Transitions

Just like with padding, margin, borders and border-radius, you can type less

Order: property name, duration, timing, delay

```
.navLinks a {
  display: inline-block;
  text-decoration: none;
  color: #084F5E;
  border: 1px solid #084F5E;
  padding: 0.2rem 1rem;
  width: 200px;
  text-align: center;
  transition: background-color 2s linear, color 2s linear,
border-radius 2s linear;
}

.navLinks a:hover {
  color: white;
  background-color: #084F5E;
  border-radius: 0.5rem;
}
```

Transitions

If the same duration and timing-function is being used, you can shorten it even more

```
.navLinks a {  
  display: inline-block;  
  text-decoration: none;  
  color: #084F5E;  
  border: 1px solid #084F5E;  
  padding: 0.2rem 1rem;  
  width: 200px;  
  text-align: center;  
  transition: all 2s linear;  
}
```

```
.navLinks a:hover {  
  color: white;  
  background-color: #084F5E;  
  border-radius: 0.5rem;  
}
```

Transitions

Not all CSS properties can have a transition applied.

For full list:

https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_animated_properties

```
.navLinks a {  
  display: inline-block;  
  text-decoration: none;  
  color: #084F5E;  
  border: 1px solid #084F5E;  
  padding: 0.2rem 1rem;  
  width: 200px;  
  text-align: center;  
  transition: all 2s linear;  
}
```

```
.navLinks a:hover {  
  color: white;  
  background-color: #084F5E;  
  border-radius: 0.5rem;  
}
```

Transitions

Be thoughtful about when/how you apply transitions. Movement on the page can be very disorienting.

<https://developer.mozilla.org/en-US/docs/Web/CSS/@media/prefers-reduced-motion>

```
.navLinks a {  
  display: inline-block;  
  text-decoration: none;  
  color: #084F5E;  
  border: 1px solid #084F5E;  
  padding: 0.2rem 1rem;  
  width: 200px;  
  text-align: center;  
  transition: all 2s linear;  
}
```

```
.navLinks a:hover {  
  color: white;  
  background-color: #084F5E;  
  border-radius: 0.5rem;  
}
```


scroll-behavior

Noticed the nice scroll when clicking on a button? It's added to the html tag

<https://developer.mozilla.org/en-US/docs/Web/CSS/scroll-behavior>

```
html {  
  font-size: 16px;  
  scroll-behavior: smooth;  
}
```

What questions
do you have?

Lecture, check
time??

Advanced CSS: Design

Pseudo-classes

We've used some of these before but haven't properly explained them. Let's look at how they work in context of the `a` tag.

Pseudo-classes

:hover, :focus, :active

Think about these pseudo-classes as a way to manipulate the styling depending on the 'special state' of the element.

They can be used on **any** HTML element on the page, not just <a> tags.

```
a:visited {
  color: purple;
}
a:hover {
  color: seagreen;
}
a:focus {
  color: orange;
}
a:active {
  color: red;
}
```

Advanced Pseudo-classes

Sometimes, adding id's and classes to all html elements on a full website might be too much work. What if you have a pattern of styling you'd like to follow?

Pseudo-classes

1. :first-of-type
2. :last-of-type
3. :first-child
4. :last-child

You can find more here, though most are used for forms:

<https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-classes>

:first-of-type

Selects the first of a group of sibling elements. But what are siblings?

`<section>` is the parent element. The `<p>` and `<h2>` tags are nested inside, which makes them the children

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <!-- meta data -->
  </head>
  <body>
    <section>
      <p>Here is a simple paragraph.</p>
      <p>Followed by a second paragraph, also with no
links.</p>
    </section>
    <section>
      <h2>This is an h2 heading</h2>
      <p>Another paragraph, also with no links.</p>
    </section>
  </body>
</html>
```

:first-of-type

The first `<p>` and first `<h2>` would be marked as the first-of-type element if CSS looked like this:

```
section :first-of-type {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:first-of-type

- "Here is a simple..."

- "This is an h2 heading"

- "Another paragraph.."

Would all be blue.

```
section :first-of-type {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:first-of-type

But what if I only want to style the first-of-type if it's a <p>?

```
section p:first-of-type {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:first-of-type

- "Here is a simple..."

- "Another paragraph..."

Would be blue.

```
section p:first-of-type {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:last-of-type

Works just like first-of-type, but in reverse.

```
section p:last-of-type {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:last-of-type

-"followed by a second.."

-"Another paragraph..."

Would be blue.

```
section p:last-of-type {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

What questions
do you have?

:first-child

Works in a similar way, but it only looks at the first sibling, ignores the rest.

```
section :first-child {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:first-child

- "here is a simple.."

- "This is an h2..."

Would be blue.

```
section :first-child {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:first-child

You can also be specific, and only style if the first-child is a `<p>`

```
section p:first-child {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:first-child

-“here is a simple..”

Would be the ONLY blue text.

```
section p:first-child {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:last-child

Works just like first-child, but in reverse.

```
section p:last-child {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

:last-child

- "Followed by a second..."

- "Another paragraph.."

Would both be blue

```
section p:last-child {  
  color: blue;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <section>  
      <p>Here is a simple paragraph.</p>  
      <p>Followed by a second paragraph, also with no  
links.</p>  
    </section>  
    <section>  
      <h2>This is an h2 heading</h2>  
      <p>Another paragraph, also with no links.</p>  
    </section>  
  </body>  
</html>
```

Advanced Pseudo-classes

What's a real example of using these pseudo-classes? I use them mostly for applying the box model (padding, margins)

What if I have a long article and I want a bit more space between the end of the article and the footer?

Testing

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla id neque vitae ligula dictum fermentum vel eget odio. Duis vulputate vulputate egestas. Suspendisse et nulla mollis, placerat metus ut, varius tellus. Curabitur vestibulum orci quis sodales bibendum. Proin sollicitudin [erat leo](#), sit amet interdum quam faucibus et. Curabitur non laoreet lectus. Nulla facilisi. Vivamus mattis laoreet nulla. Suspendisse ullamcorper urna non nisl vulputate posuere eget dapibus nisl. Vivamus tincidunt ligula vitae porta cursus. Donec tincidunt porta ante vel mattis. Maecenas eget vulputate magna, hendrerit ornare enim. Proin vitae augue diam. Sed ac arcu auctor, dapibus lacus ut, porttitor nulla.

Mauris non auctor orci, pulvinar pulvinar nulla. Suspendisse sit amet fermentum erat. Etiam consequat felis eget tortor laoreet fermentum. Pellentesque a tempus nulla. Praesent quis eros vitae nisl lobortis mollis ac quis risus. Nulla [scelerisque ut nulla](#) vel auctor. Integer pretium at leo ut pharetra.

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Sed lacinia viverra fringilla. Vivamus enim ipsum, blandit luctus accumsan et, suscipit ut dui. Duis eu quam velit. Vestibulum ac nulla non leo tincidunt ultricies eget nec ligula. Pellentesque laoreet nisi nec lorem tempor pellentesque. Cras vulputate augue ut ipsum pharetra, eu ullamcorper nunc pharetra. Fusce porttitor neque nulla, non consectetur neque finibus porttitor. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Proin eu porta eros. Cras a aliquam justo. Nulla facilisi. Maecenas egestas nisi a ante auctor, et euismod mauris posuere. Maecenas lacus lorem, porttitor sit amet placerat sit amet, aliquam vitae magna.

Footer with links

Advanced Pseudo-classes

There are a few ways I can do this, pseudo-classes just give me another. Without having to add more classes or ids

```
main section:last-of-type {  
  margin-bottom: 5rem;  
}
```

Testing

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla id neque vitae ligula dictum fermentum vel eget odio. Duis vulputate vulputate egestas. Suspendisse et nulla mollis, placerat metus ut, varius tellus. Curabitur vestibulum orci quis sodales bibendum. Proin sollicitudin [erat leo](#), sit amet interdum quam faucibus et. Curabitur non laoreet lectus. Nulla facilisi. Vivamus mattis laoreet nulla. Suspendisse ullamcorper urna non nisl vulputate posuere eget dapibus nisl. Vivamus tincidunt ligula vitae porta cursus. Donec tincidunt porta ante vel mattis. Maecenas eget vulputate magna, hendrerit ornare enim. Proin vitae augue diam. Sed ac arcu auctor, dapibus lacus ut, porttitor nulla.

Mauris non auctor orci, pulvinar pulvinar nulla. Suspendisse sit amet fermentum erat. Etiam consequat felis eget tortor laoreet fermentum. Pellentesque a tempus nulla. Praesent quis eros vitae nisl lobortis mollis ac quis risus. Nulla [scelerisque ut nulla](#) vel auctor. Integer pretium at leo ut pharetra.

Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo. In imperdiet tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdiet imperdiet sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

Sed lacinia viverra fringilla. Vivamus enim ipsum, blandit luctus accumsan et, suscipit ut dui. Duis eu quam velit. Vestibulum ac nulla non leo tincidunt ultricies eget nec ligula. Pellentesque laoreet nisi nec lorem tempor pellentesque. Cras vulputate augue ut ipsum pharetra, eu ullamcorper nunc pharetra. Fusce porttitor neque nulla, non consectetur neque finibus porttitor. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Proin eu porta eros. Cras a aliquam justo. Nulla facilisi. Maecenas egestas nisi a ante auctor, et euismod mauris posuere. Maecenas lacus lorem, porttitor sit amet placerat sit amet, aliquam vitae magna.

Footer with links

What questions
do you have?

What are pseudo-elements?

Pseudo-elements are applied the same way as pseudo-classes, but these focus on styling specific parts of the selected HTML element and has nothing to do with its location on the page.

Pseudo-elements

1. ::first-letter
2. ::first-line
3. ::before
4. ::after

You can find more here, though these are not used too much:

<https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-elements>

Pseudo-elements

1. `::first-letter`
2. `::first-line`
3. `::before`
4. `::after`

Notice that these start with two colons. While one would work, this is used to help distinguish between pseudo-classes and pseudo-elements

Pseudo-elements

::first-letter

Selects the first letter in block-level element (doesn't work with span, a, strong, code and other inline HTML elements)

Usually used for designing drop caps.

::first-letter

Here is a simple paragraph
Morbi et pulvinar ligula,
ultrices, tellus magna pu
aliquet risus ultricies congue. D
vitae lorem leo.

```
.firstGraph::first-letter {  
  color: cadetblue;  
  font-size: 3rem;  
  font-weight: 700;  
  padding-right: 0.5rem;  
  float: left;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p class="firstGraph">Here is a simple paragraph.  
Followed by another sentence.</p>  
    </article>  
  </body>  
</html>
```

::first-letter

Here is a simple paragraph
Morbi et pulvinar ligula,
ultrices, tellus magna pu
aliquet risus ultricies congue. D
vitae lorem leo.

```
article p:first-of-type::first-letter {  
  color: cadetblue;  
  font-size: 3rem;  
  font-weight: 700;  
  padding-right: 0.5rem;  
  float: left;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p>Here is a simple paragraph. Followed by another  
sentence.</p>  
    </article>  
  </body>  
</html>
```

Pseudo-elements

::first-line

Work similarly to first-letter, but does have some drawbacks. It is not selecting the first sentence, only the first visible line a in block element

::first-line

Work similarly to first-letter, but does have some drawbacks. It is not selecting the first sentence, only the first visible line a in block element

```
.firstGraph::first-line {  
  text-transform: uppercase;  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p class="firstGraph">Here is a simple paragraph.  
Followed by another sentence.</p>  
    </article>  
  </body>  
</html>
```

HERE IS A SIMPLE PARAGRAPH. FOLLOWED BY ANOTHER SENTENCE. CRAS fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo.

HERE IS A SIMPLE PARAGRAPH. FOLLOWED BY another sentence. Cras fermentum blandit porttitor. Morbi et pulvinar ligula, consequat sagittis mauris. Sed cursus, nulla pulvinar pretium ultrices, tellus magna pulvinar dolor, nec bibendum lacus enim ac nulla. Etiam ornare aliquet risus ultricies congue. Duis non lorem eget enim pretium pharetra eget viverra neque. Nulla vitae lorem leo.

Pseudo-elements

::before

Creates a element, **outside of the DOM**. It is mostly used for design touches and to help with user experience.

First, let's break down how it is applied.

::before

It requires is the content property. It can be a string, a symbol or left empty.

```
.redCircle::before {  
  content: "";  
}
```

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p>A way to show <span  
class="redCircle">highlight</span> data</p>  
    </article>  
  </body>  
</html>
```

::before

For now, without adding anything, this is what the text looks like.

```
.redCircle::before {  
  content: "";  
}
```

A way to show highlight data

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p>A way to show <span  
class="redCircle">highlight</span> data</p>  
    </article>  
  </body>  
</html>
```

::before

For the purpose of this example, let's use a "test" and add color

```
.redCircle::before {  
  content: "";  
  color: "red";  
}
```

A way to show highlight data

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p>A way to show <span  
class="redCircle">highlight</span> data</p>  
    </article>  
  </body>  
</html>
```

::before

The element is added before the word highlight.

```
.redCircle::before {  
  content: "";  
  color: "red";  
}
```

A way to show **test**highlight data

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p>A way to show <span  
class="redCircle">highlight</span> data</p>  
    </article>  
  </body>  
</html>
```

Pseudo-elements

::after

This pseudo-element works the same way as ::before, it just changes position to after the HTML element selected.

::after

The element is added before the word highlight.

```
.redCircle::after {  
  content: "";  
  color: "red";  
}
```

A way to show highlighttest data

```
<!DOCTYPE html>  
<html lang="en-US">  
  <head>  
    <!-- meta data -->  
  </head>  
  <body>  
    <article>  
      <p>A way to show <span  
class="redCircle">highlight</span> data</p>  
    </article>  
  </body>  
</html>
```

Pseudo-elements

::before, ::after

WHY????

Pseudo-elements

Both of these elements are automatically inline

The content within these elements is not accessible to screen readers.

But this is not necessary bad!


Pseudo-elements

::before, ::after

They help add **visual cues** that are not necessary for screen readers, like a green checkmark next to correctly filled form input or quotes image around <blockquote>

To add emojis!

Bill To / Billing Address

Full Name	<input type="text" value="John Newman"/>	✓
Street Address	<input type="text" value="2125 Chestnut st"/>	✓
	<input type="text" value="optional"/>	
Zip Code	<input type="text" value="9412"/>	Enter Zip for City & State The specified ZIP is invalid
Phone	<input type="text"/>	
 Email	<input type="text"/>	

Pseudo-elements

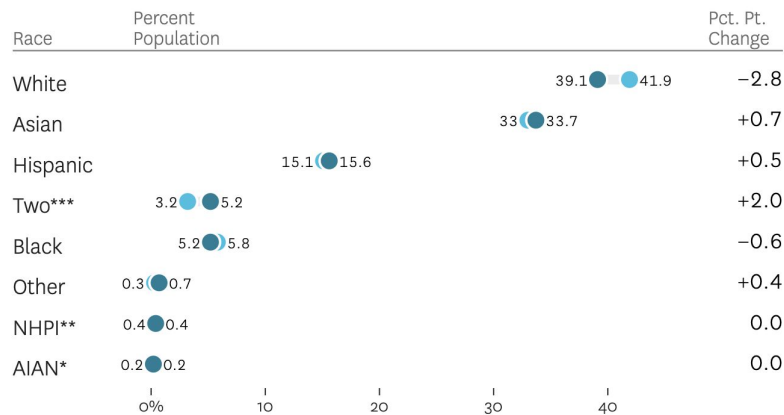
::before, ::after

I've mostly used them for labeling for data viz.

Example:

<https://www.sfchronicle.com/projects/2021/census-california/>

Change in San Francisco County
from 2010 to 2020



Note: Percent may not add up to 100 because of rounding.

*American Indian and Alaska Native **Native Hawaiian and Pacific Islanders ***Two or more races

::before

The code could look something like this:

This is a data visualization

Aenean et tortor at ● **risus viverra** adipiscing. Odio ut enim blandit volutpat. In hendrerit gravida ● **rutrum quisque** non tellus.



```
.blueCircle {
  color: blue;
  font-weight: 700;
}

.blueCircle::before {
  content: "";
  display: inline-block;
  height: 1rem;
  width: 1rem;
  background-color: blue;
  margin-right: 2px;
  border-radius: 50%;
}
```

What questions
do you have?

Break

Meet back in 15 minutes.

start Zoom recording + captions

Screenshare

Basic Design

Basic Design

We'll review a few design principles:

1. Hierarchy
2. Proximity
3. White space
4. Alignment

Basic Design

We'll review a few design principles:

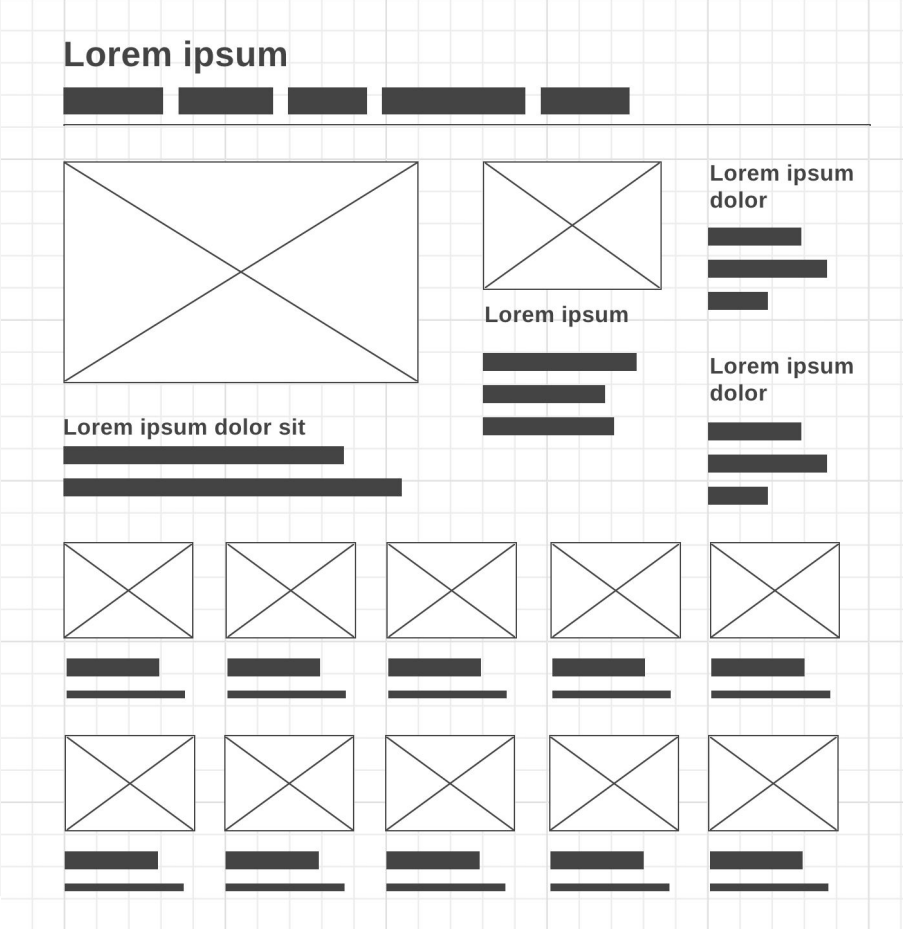
1. Hierarchy
2. Proximity
3. White space
4. Alignment

Used together, all of these principles help the reader scan and understand the important elements of the page.

Basic Design

Before we move forward, let's look at the item to the right.

This is a wireframe, a very simple mock up of a webpage.

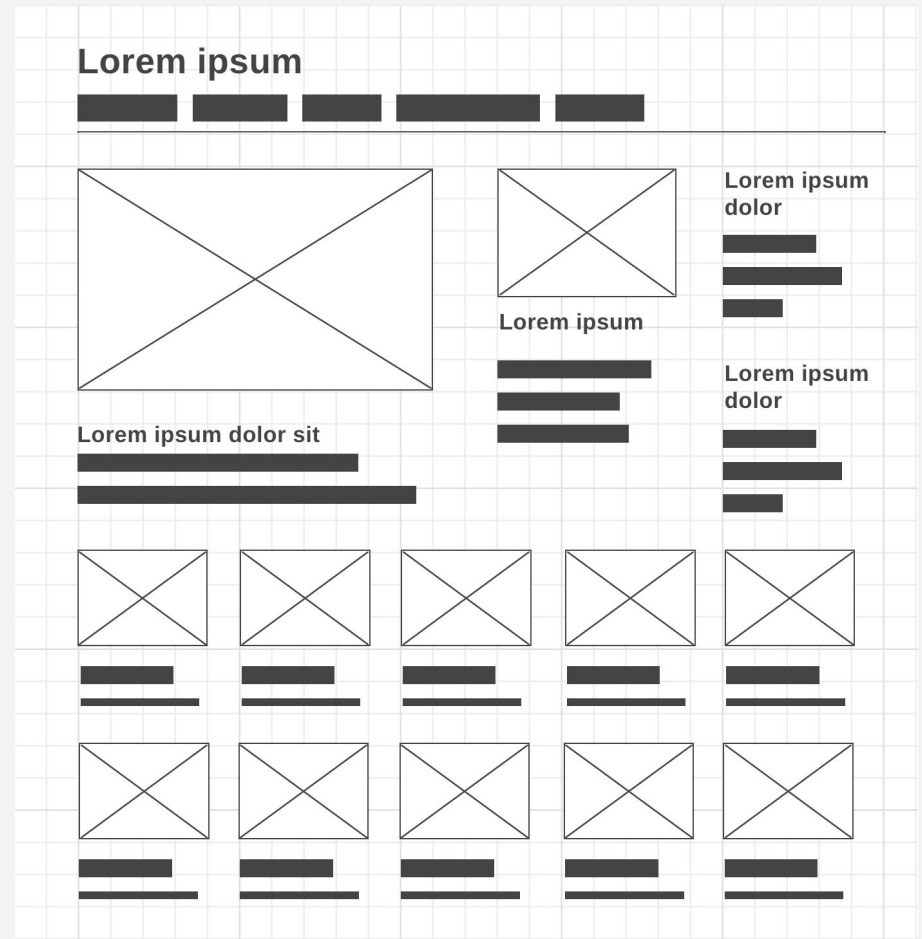


Basic Design

The black bars can represent paragraphs or headlines.

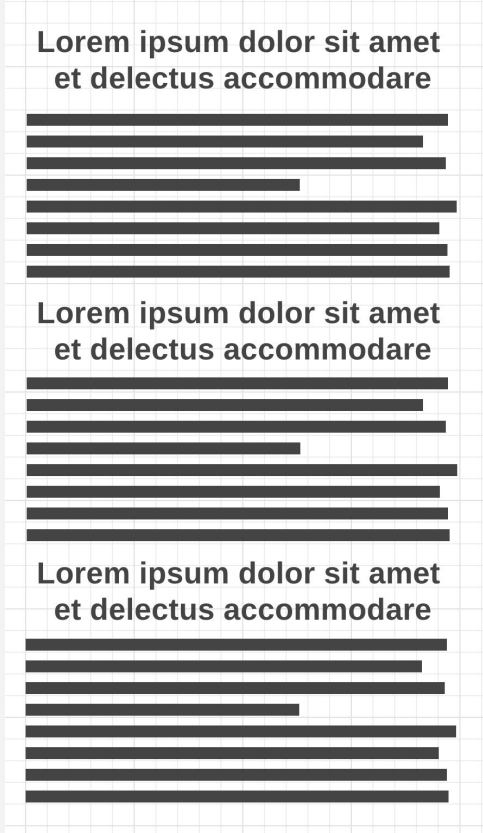
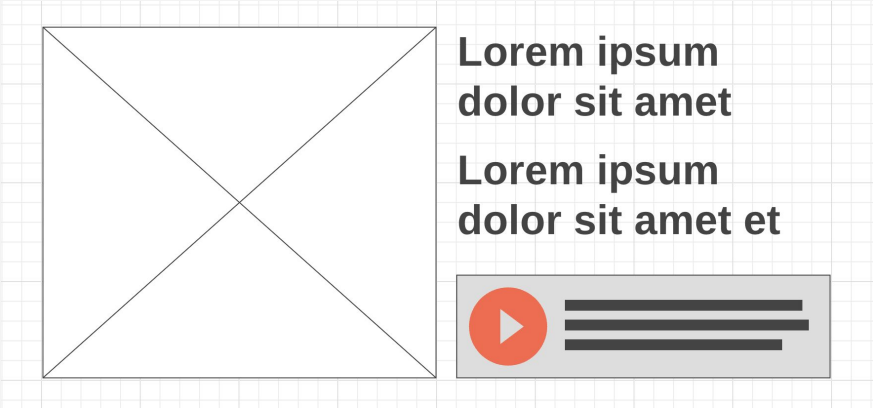
The boxes with an x across are stand-ins for photos.

We will work with these later in the class!



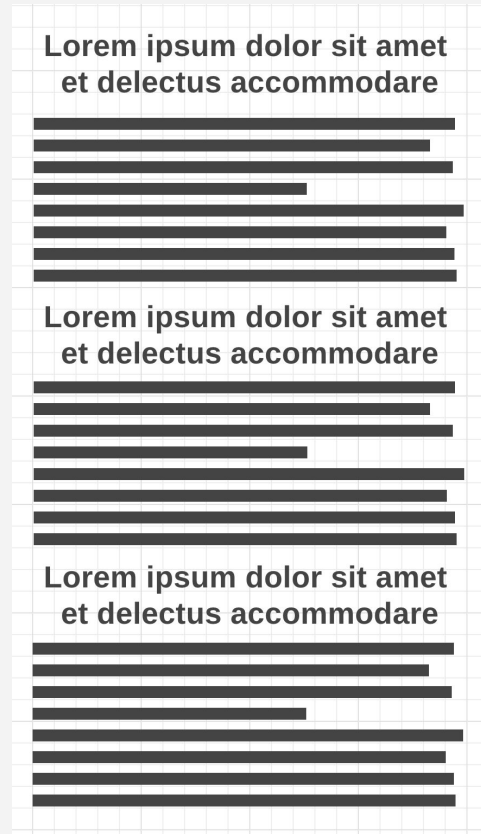
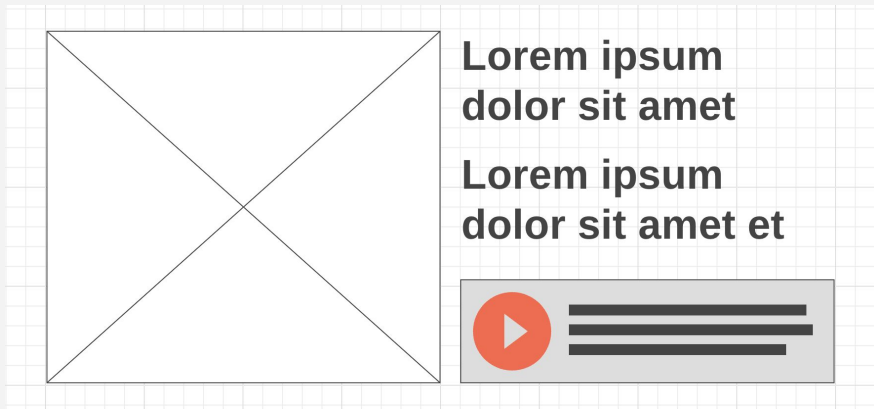
Basic Design: Hierarchy

Helps signify importance and order on the page



Basic Design: Hierarchy

Quickly looking at these wireframes, it's hard to figure out which heading is the most important



Basic Design: Hierarchy

A design example labeled 'Bad' enclosed in a red border. It features three identical text blocks stacked vertically. Each block starts with the text 'Lorem ipsum dolor sit amet et delectus accommodare' followed by five lines of blacked-out text. The text blocks are not visually separated, creating a flat hierarchy.

Lorem ipsum dolor sit amet
 et delectus accommodare

Lorem ipsum dolor sit amet
 et delectus accommodare

Lorem ipsum dolor sit amet
 et delectus accommodare

Bad

A design example labeled 'Good' enclosed in a green border. It features three text blocks stacked vertically, each visually separated by a horizontal line. Each block starts with the text 'Lorem ipsum dolor sit amet et delectus accommodare' followed by five lines of blacked-out text. The visual separation creates a clear hierarchy.

Lorem ipsum dolor sit amet
 et delectus accommodare

Lorem ipsum dolor sit amet
 et delectus accommodare

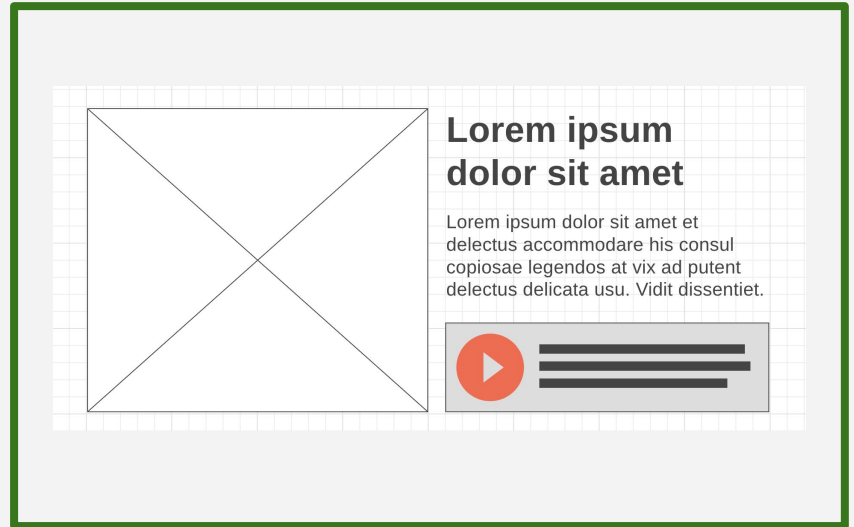
Lorem ipsum dolor sit amet
 et delectus accommodare

Good

Basic Design: Hierarchy



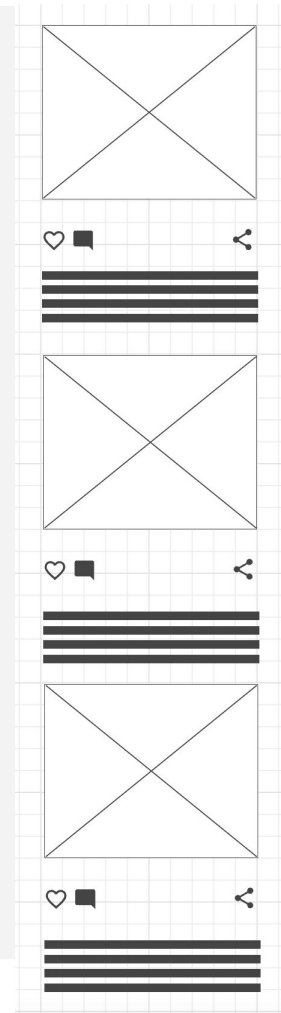
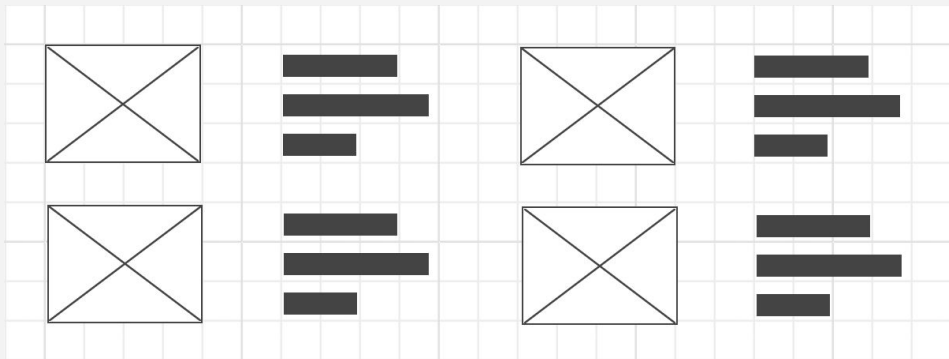
Bad



Good

Basic Design: Proximity

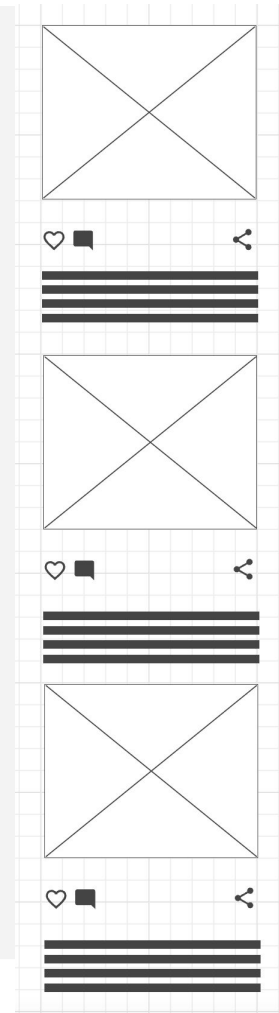
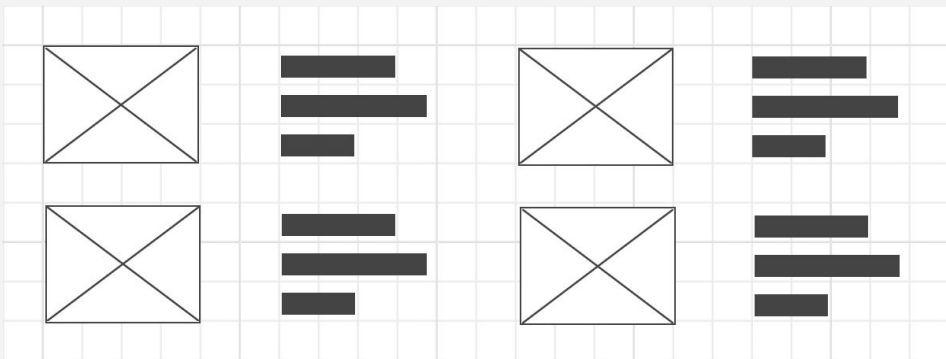
Helps with readability and grouping related elements together.



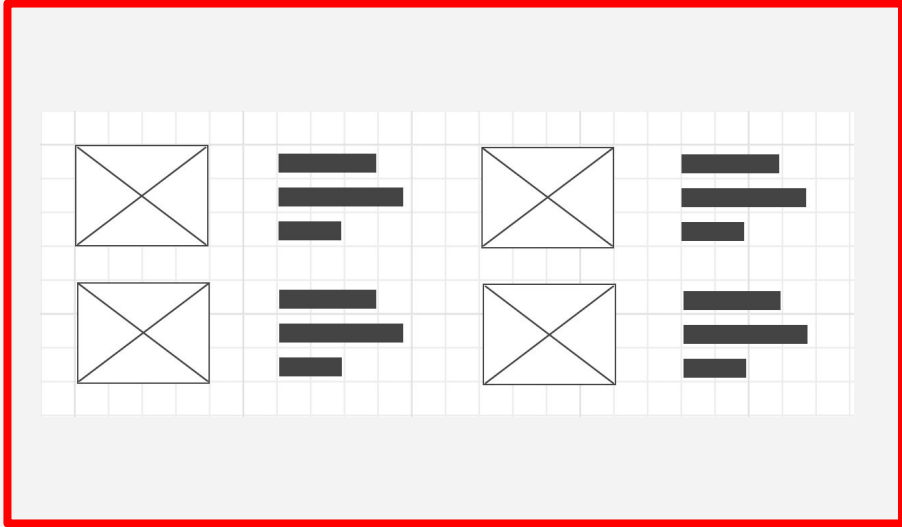
Basic Design: Proximity

Look at both of these wireframes.
Everything is space evenly, elements are properly aligned.

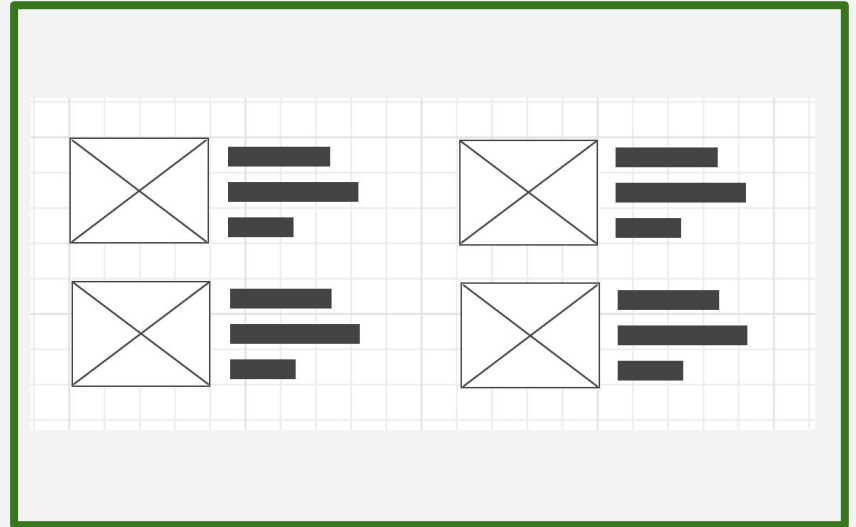
But it's hard to quickly figure out what content is grouped together



Basic Design: Proximity

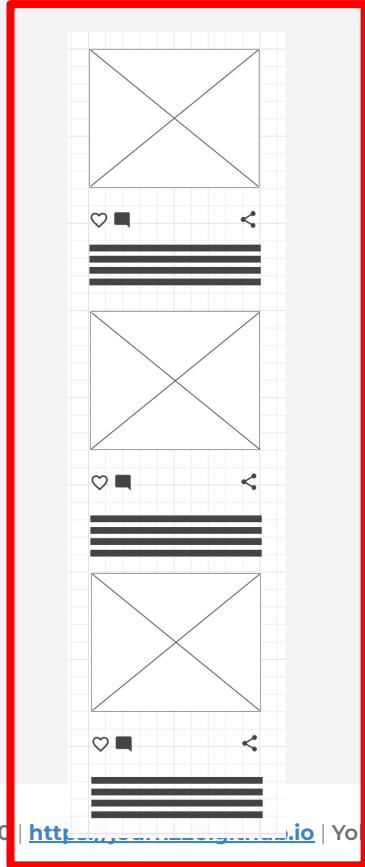


Bad

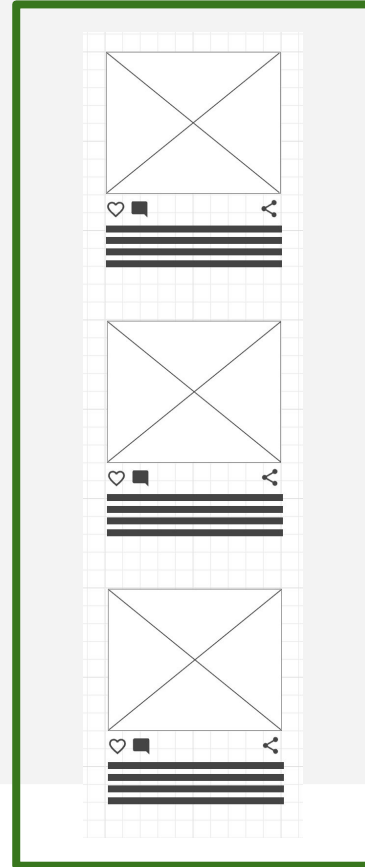


Good

Basic Design: Proximity



Bad

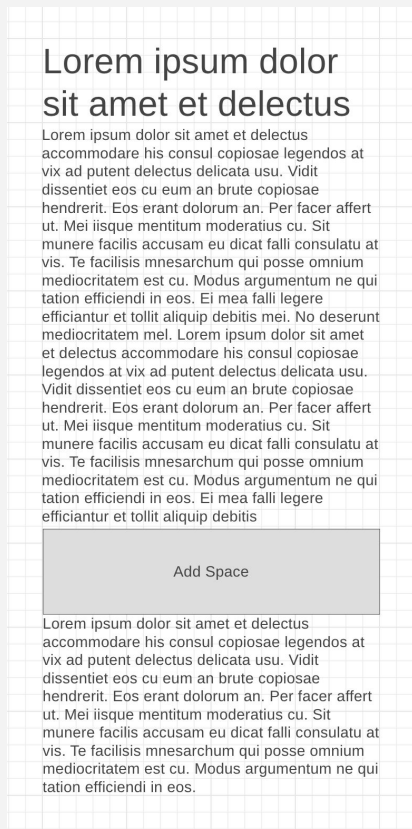
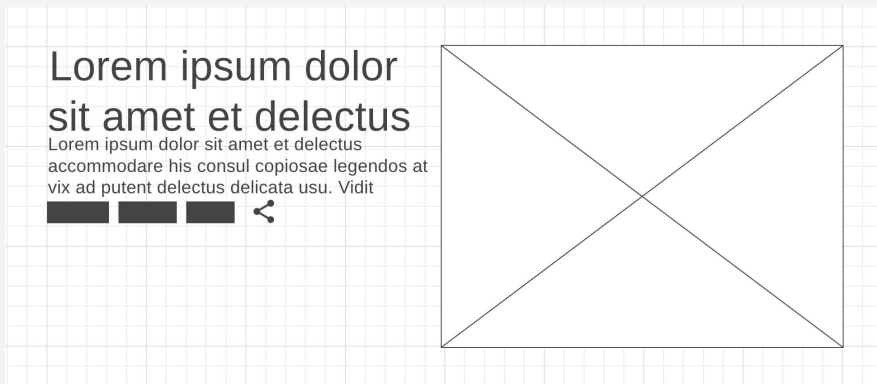


Good

Basic Design: White Space

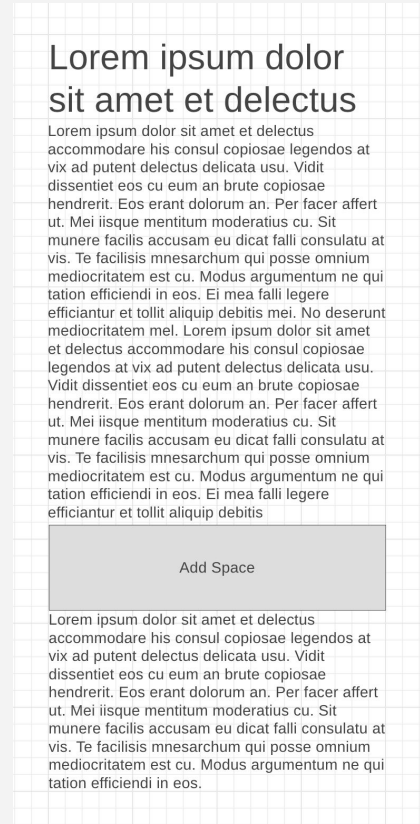
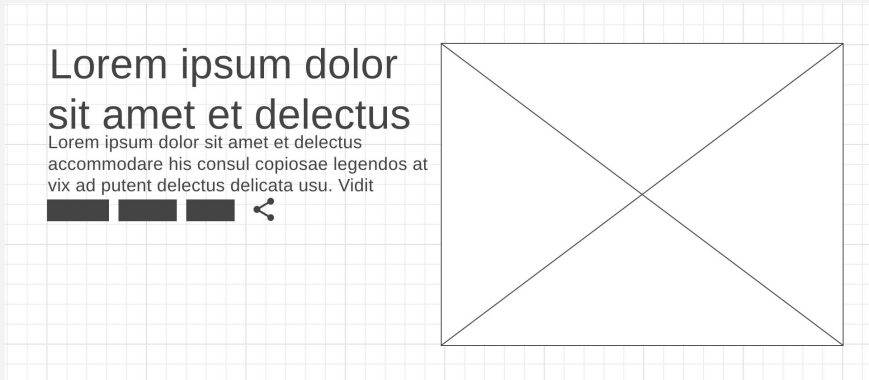
Helps with readability and hierarchy.

White space makes it easier for the eye to scan the page.

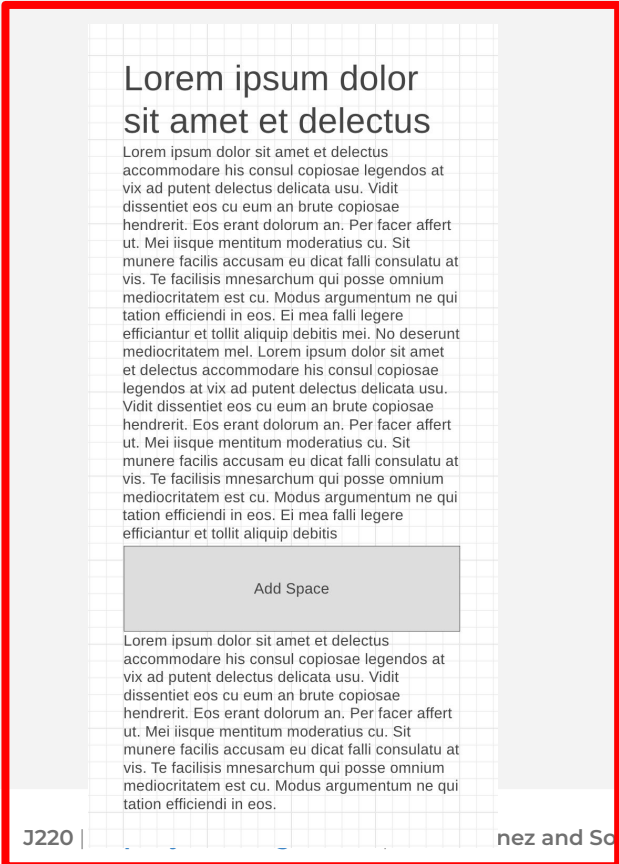


Basic Design: White Space

While it might not be obvious at first, having everything tightly grouped gives more work to the reader.



Basic Design: White Space



Bad design example: A red border surrounds a page with a grid background. The text is tightly packed, with a small grey box labeled "Add Space" placed between two paragraphs, indicating a lack of white space.

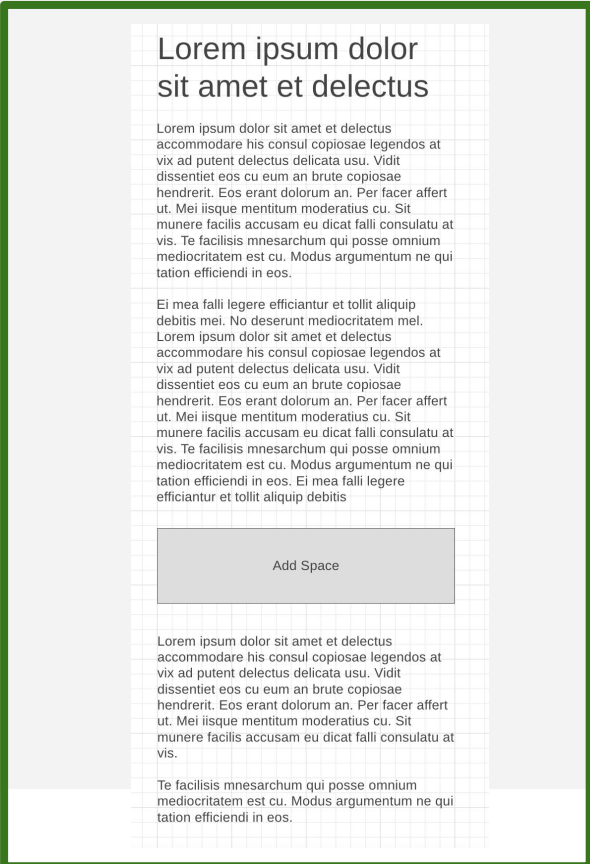
>Lorem ipsum dolor sit amet et delectus sit amet et delectus

>Lorem ipsum dolor sit amet et delectus accommodate his consul copiosae legendos at vix ad putent delectus delicata usu. Vidit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer affert ut. Mei iisque mentium moderatius cu. Sit munere facilis accusam eu dicat falli consulatu at vis. Te facilis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne qui tation efficiendi in eos. Ei mea falli legere efficiantur et tollit aliquip debitis mei. No deserunt mediocritatem mel. Lorem ipsum dolor sit amet et delectus accommodate his consul copiosae legendos at vix ad putent delectus delicata usu. Vidit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer affert ut. Mei iisque mentium moderatius cu. Sit munere facilis accusam eu dicat falli consulatu at vis. Te facilis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne qui tation efficiendi in eos. Ei mea falli legere efficiantur et tollit aliquip debitis

Add Space

>Lorem ipsum dolor sit amet et delectus accommodate his consul copiosae legendos at vix ad putent delectus delicata usu. Vidit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer affert ut. Mei iisque mentium moderatius cu. Sit munere facilis accusam eu dicat falli consulatu at vis. Te facilis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne qui tation efficiendi in eos.

Bad



Good design example: A green border surrounds a page with a grid background. The text is well-spaced, with a larger grey box labeled "Add Space" placed between two paragraphs, indicating a clear and readable layout.

>Lorem ipsum dolor sit amet et delectus sit amet et delectus

>Lorem ipsum dolor sit amet et delectus accommodate his consul copiosae legendos at vix ad putent delectus delicata usu. Vidit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer affert ut. Mei iisque mentium moderatius cu. Sit munere facilis accusam eu dicat falli consulatu at vis. Te facilis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne qui tation efficiendi in eos.

Ei mea falli legere efficiantur et tollit aliquip debitis mei. No deserunt mediocritatem mel. Lorem ipsum dolor sit amet et delectus accommodate his consul copiosae legendos at vix ad putent delectus delicata usu. Vidit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer affert ut. Mei iisque mentium moderatius cu. Sit munere facilis accusam eu dicat falli consulatu at vis. Te facilis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne qui tation efficiendi in eos. Ei mea falli legere efficiantur et tollit aliquip debitis

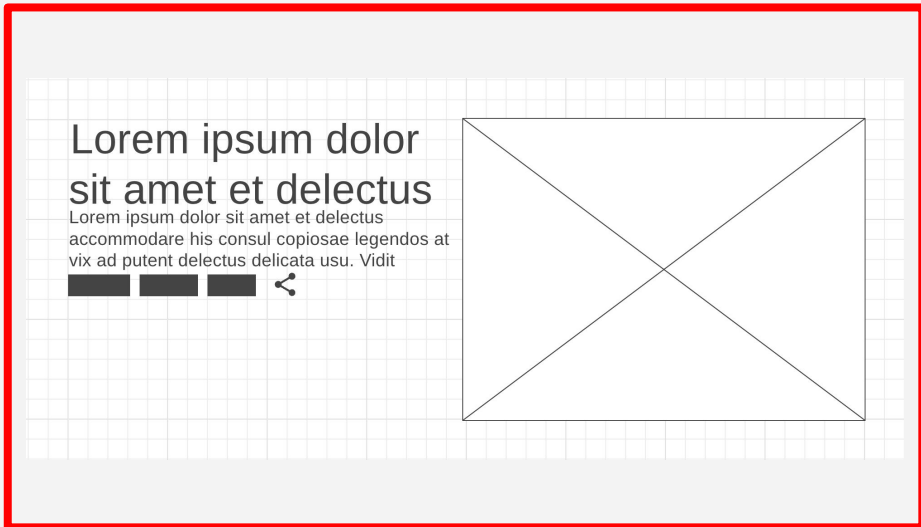
Add Space

>Lorem ipsum dolor sit amet et delectus accommodate his consul copiosae legendos at vix ad putent delectus delicata usu. Vidit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer affert ut. Mei iisque mentium moderatius cu. Sit munere facilis accusam eu dicat falli consulatu at vis.

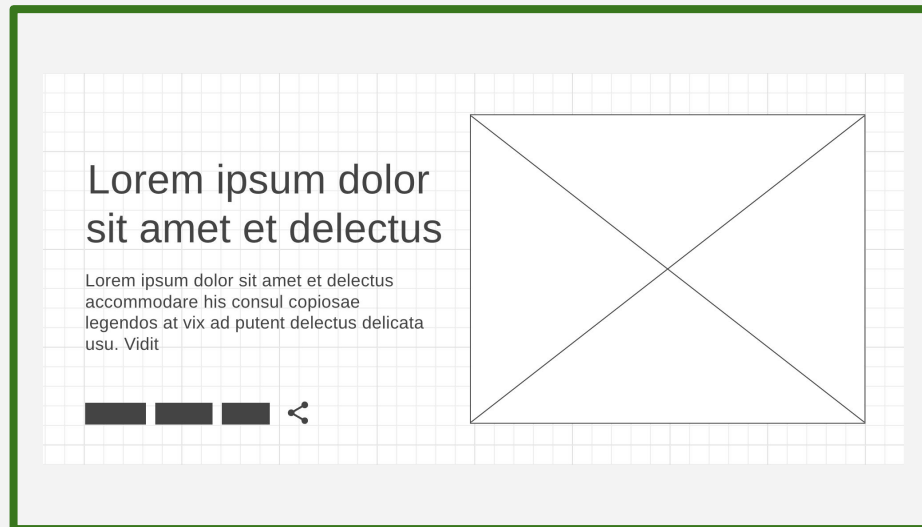
Te facilis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne qui tation efficiendi in eos.

Good

Basic Design: White Space



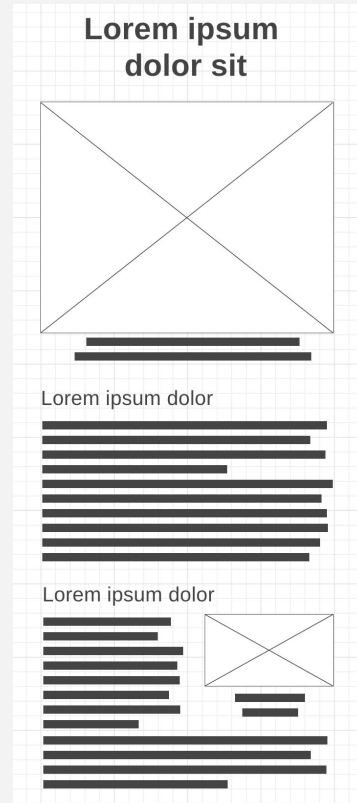
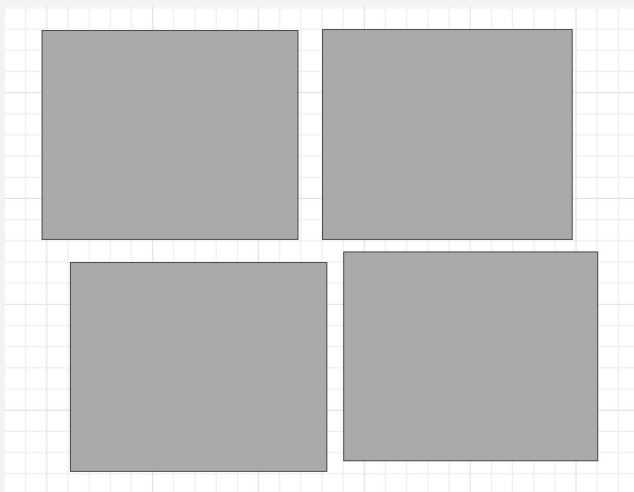
Bad



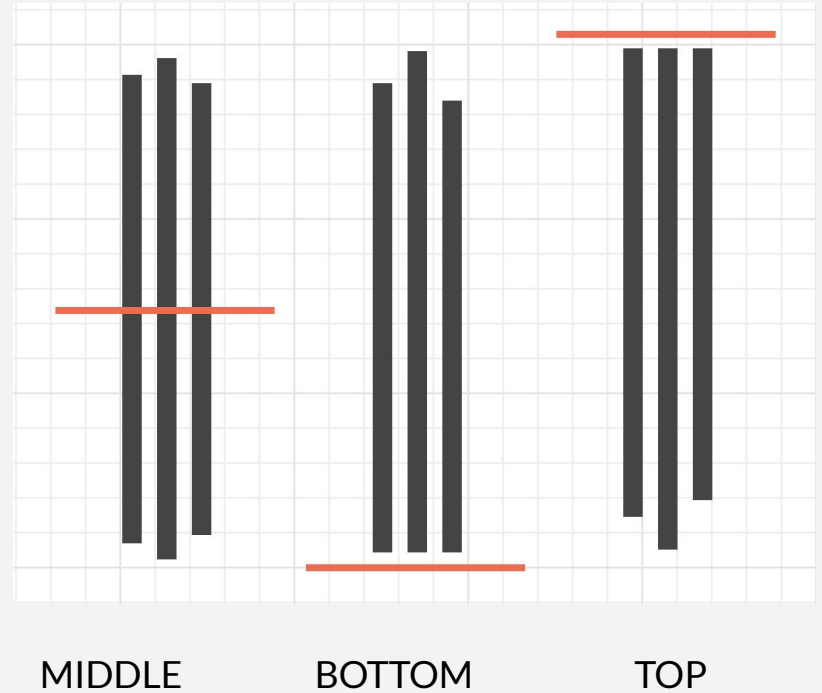
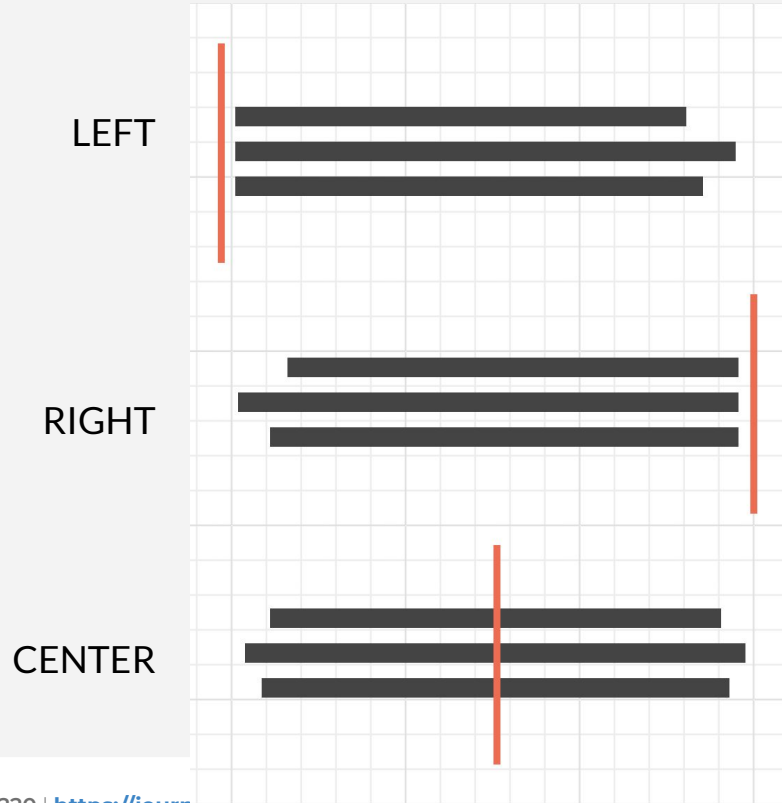
Good

Basic Design: Alignment

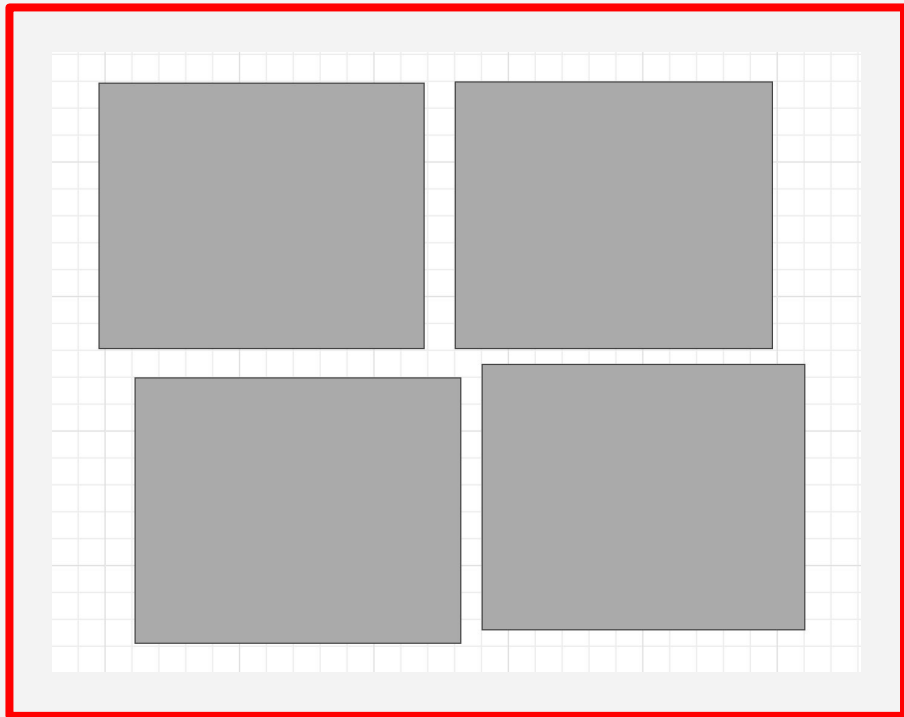
Probably the most used design principle.



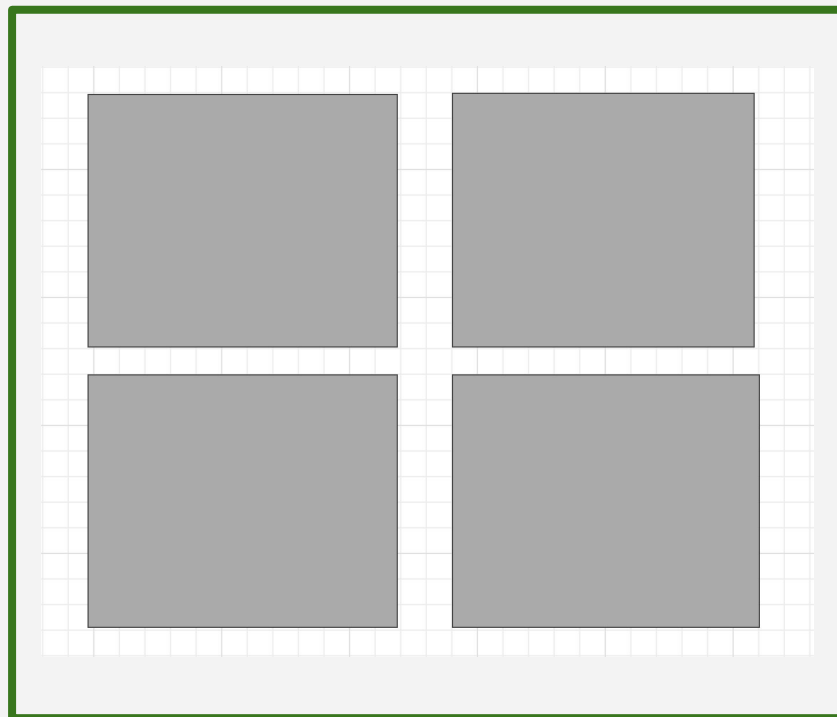
Basic Design: Alignment



Basic Design: Alignment



Bad



Good

Basic Design

Good to know the basics and apply them.

Good design is sometimes invisible to most users. If no one has a problem reading your page, they won't notice.

You can break these rules, but be ready to explain why you're doing so.

What questions
do you have?

Wireframes

Wireframing

What is a wireframe?

A simplified mock of a website. A blueprint you can use or show others during the design process. Helps you figure out what you want to highlight on your site.

It can range from being a sketch made on paper or a more elaborate, almost real looking mock-up.

Wireframing

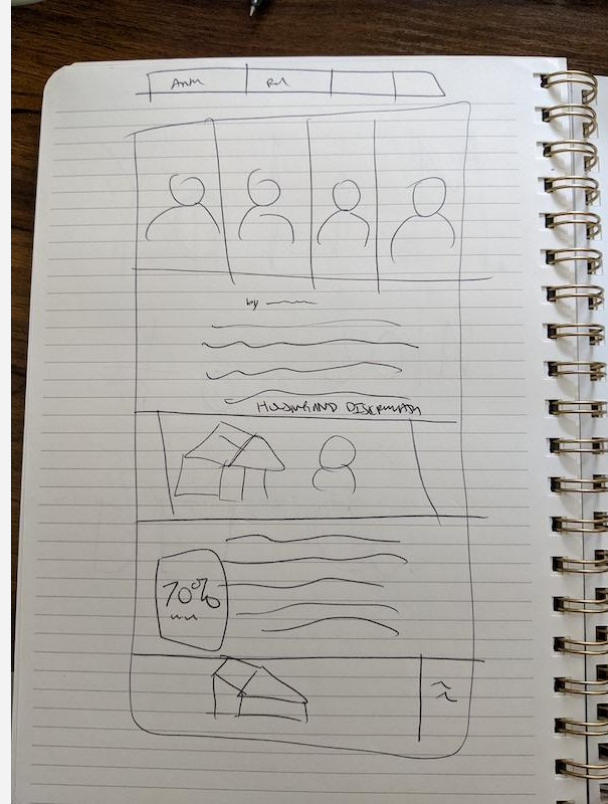
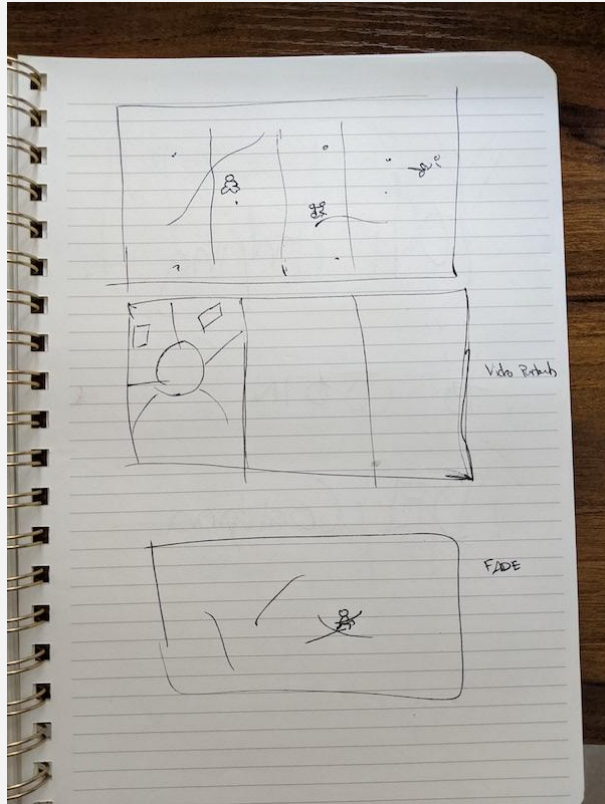
Why do you need to create one?

Give you a low-stakes way to experiment!

Saves you time! Let's you get buy in for a design before you put in more work building it.

A great way to collaborate!

Wireframing



Wireframing: The Atlantic Homepage

Mobile

The mobile wireframe shows a hamburger menu icon in the top left, the Atlantic logo with a large 'A' and 'Subscribe' text in the top right, and a navigation link: 'Read The Atlantic's continuing coverage of Russia's war on Ukraine here.' Below this is a large hero image featuring a silhouette of a soldier holding a rifle, with a large red infinity symbol overlaid. The text below the image reads: 'The War in Ukraine Is Just Beginning' and 'Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.' The author's name, 'YASMEEN SERHAN', is displayed below the text. An 'ADVERTISEMENT' placeholder is shown below the article. At the bottom, there are three smaller article teasers: 'This Is a Uniquely Perilous Moment' by David French (with a radiation symbol icon), 'The Crown-Ups Are Losing It' by George Packer (with a car icon), and 'Drive Slow for America' by Judith Lewis Mermit (with a car icon).

Desktop

The desktop wireframe features a search icon, 'Popular' and 'Latest' filters, and the Atlantic logo. It includes a navigation link: 'Read The Atlantic's continuing coverage of Russia's war on Ukraine here.' The main content area is split into two columns. The left column features a smaller version of the 'The War in Ukraine Is Just Beginning' article by Yasmeen Serhan, with a small image of a soldier and a quote: 'The Things I'm Afraid to Write About' by Sarah Hepola. The right column features the full 'The War in Ukraine Is Just Beginning' article by Yasmeen Serhan, with the same hero image and text. Below the main content is an advertisement: 'Connect with our team in San Francisco to start'. At the bottom, there are four article teasers: 'We're Going to See an Exodus From Russia to Hollywood' by Shirley Li (with a palm trees icon), 'Congressional Republicans Have Found Their Red Line' by Elaine Godfrey (with a blue elephant icon), 'Nine Books to Read to Understand the War in Ukraine' by Marci Shore (with a book icon), and 'I Imagined a Future That Was Neither Utopian nor Dystopian' by David Sims (with a portrait icon). A 'Play' button is visible at the bottom right.

Mobile:

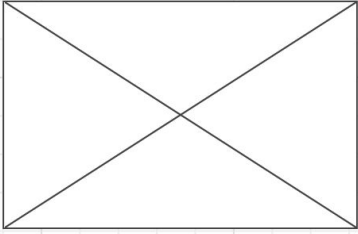
The Atlantic homepage

<https://www.theatlantic.com/>

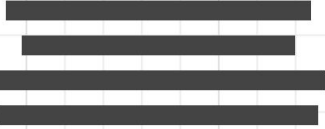
The Atlantic mobile homepage header features a hamburger menu icon on the left, the 'The Atlantic' logo in the center, and a 'Subscribe' button on the right. Below the header, a light blue banner contains the text: 'Read The Atlantic's continuing coverage of Russia's war on Ukraine here.' The main article is titled 'The War in Ukraine Is Just Beginning' by Yasmeen Serhan. The article's lead text reads: 'Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.' Below the article is an 'ADVERTISEMENT' section. At the bottom of the page, there are two more article teasers: 'This Is a Uniquely Perilous Moment' by David French, accompanied by a yellow and black radiation warning symbol, and 'The Grown-Ups Are Losing It' by George Packer, accompanied by a small image of a white helmet.

The Atlantic mobile homepage sidebar contains several elements. At the top, it features a link to 'Drive Slow for America' by Judith Lewis Mernit, with a small image of a green car. Below this is a link to 'The Pandemic After the Pandemic' by Katherine J. Wu, with a small image of a person. A 'Sign up for our daily newsletter.' section includes an input field for 'Email address' and a 'Sign up' button. Further down is a large black and white photograph of a woman with long braids, identified as Brittney Griner. Below the photo is the headline 'Brittney Griner's Plight Says More About America Than Russia' by Jemele Hill. At the bottom of the sidebar is a link to 'The Things I'm Afraid to Write About' by Sarah Hepola, with a small image of a handwritten note.

Lorem ipsum



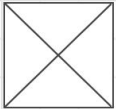
Lorem ipsum dolor sit



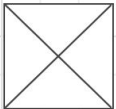
ADD SPACE



Lorem ipsum



Lorem ipsum



li Mart



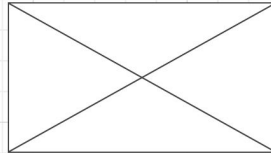
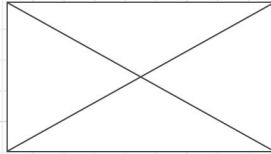
Lorem ipsum



Lorem ipsum



Lorem ipsum



A
The Atlantic

Subscribe

Read *The Atlantic's* continuing coverage of Russia's war on Ukraine here.



THE ATLANTIC

The War in Ukraine Is Just Beginning

Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.

YASMEEN SERHAN

ADVERTISEMENT

This Is a Uniquely Perilous Moment

DAVID FRENCH



The Grown-Ups Are Losing It

GEORGE PACKER



Drive Slow for America

JUDITH LEWIS MERNIT



The Pandemic After the Pandemic

KATHERINE J. WU



Sign up for our daily newsletter.

Email address

Sign up



MIKE MATTINA / GETTY

Brittney Griner's Plight Says More About America Than Russia

JEMELE HILL



H. ARMSTRONG ROBERTS / CLASSICSTOCK / GETTY; GABRIELA PESQUEIRA / THE ATL.

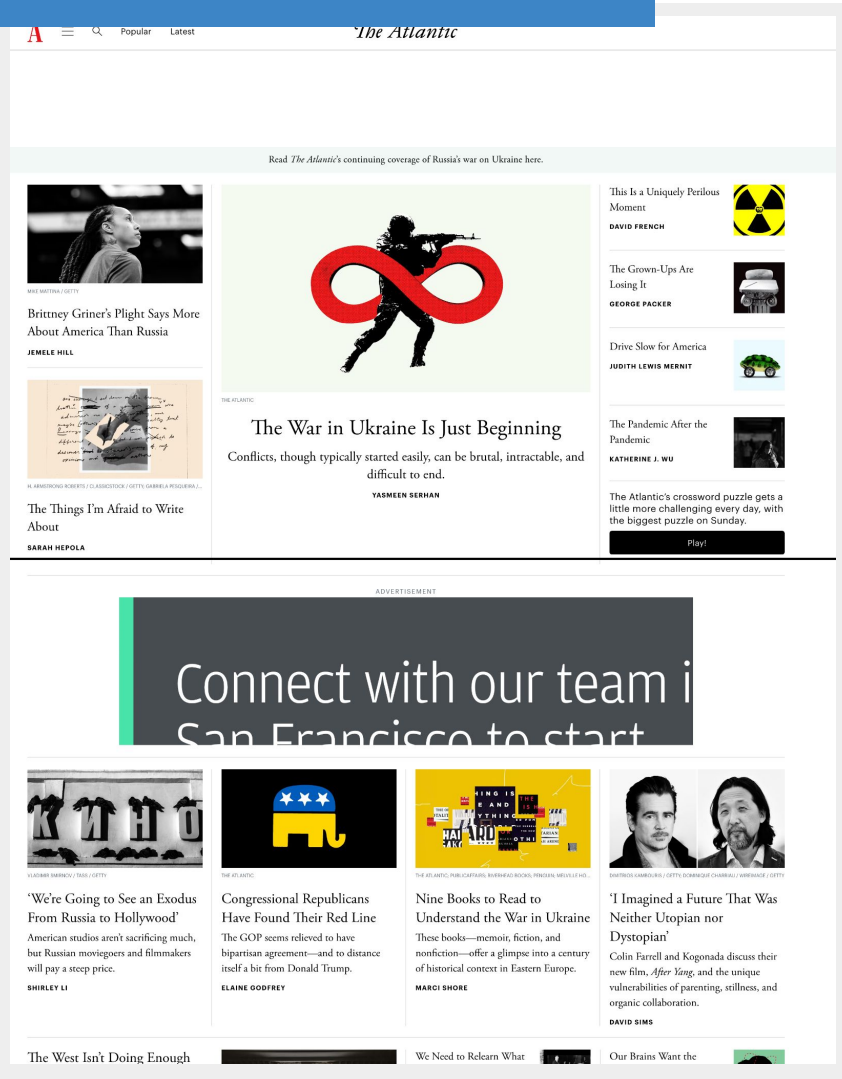
The Things I'm Afraid to Write About

SARAH HEPOLA

Desktop:

The Atlantic homepage

<https://www.theatlantic.com/>



The Atlantic

Read *The Atlantic's* continuing coverage of Russia's war on Ukraine here.

Brittney Griner's Plight Says More About America Than Russia
JEMELE HILL

The War in Ukraine Is Just Beginning
Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.
YASMEEN SERHAN

This Is a Uniquely Perilous Moment
DAVID FRENCH

The Grown-Ups Are Losing It
GEORGE PACKER

Drive Slow for America
JUDITH LEWIS MERNIT

The Pandemic After the Pandemic
KATHERINE J. WU

The Atlantic's crossword puzzle gets a little more challenging every day, with the biggest puzzle on Sunday.
Play!

ADVERTISEMENT

Connect with our team in San Francisco to start

'We're Going to See an Exodus From Russia to Hollywood'
American studios aren't sacrificing much, but Russian moviemakers and filmmakers will pay a steep price.
SHIRLEY LI

Congressional Republicans Have Found Their Red Line
The GOP seems relieved to have bipartisan agreement—and to distance itself a bit from Donald Trump.
ELAINE GODFREY

Nine Books to Read to Understand the War in Ukraine
These books—memoir, fiction, and nonfiction—offer a glimpse into a century of historical context in Eastern Europe.
MARGI SHORE

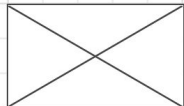
'I Imagined a Future That Was Neither Utopian nor Dystopian'
Colin Farrell and Kogonada discuss their new film, *After Yang*, and the unique vulnerabilities of parenting, stillness, and organic collaboration.
DAVID SIMS

The West Isn't Doing Enough

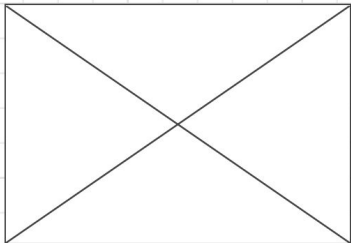
We Need to Relearn What

Our Brains Want the

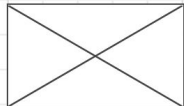
Lorem ipsum



Lorem ipsum
 Lorem ipsum



Lorem ipsum dolor sit



Lorem ipsum
 Lorem ipsum

Lorem ipsum



Lorem ipsum

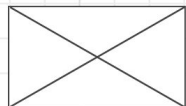
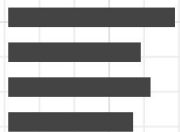
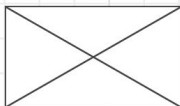
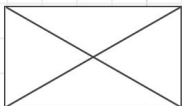
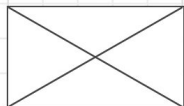


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Game
 Link

THIS IS ADD SPACE



Read *The Atlantic's* continuing coverage of Russia's war on Ukraine here.



WIKI/MATTHEW J. GETTY

Brittney Griner's Plight Says More About America Than Russia

JEMELE HILL



W. AMBERGROD ROBERTS (2) ASSOCIATED PRESS/GETTY GABRIELA RODRIGUEZ

The Things I'm Afraid to Write About

SARAH HEPOLA



THE ATLANTIC

The War in Ukraine Is Just Beginning

Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.

YASMEEN SERHAN

This Is a Uniquely Perilous Moment

DAVID FRENCH



The Grown-Ups Are Losing It

GEORGE PACKER



Drive Slow for America

JUDITH LEWIS MERNIT



The Pandemic After the Pandemic

KATHERINE J. WU



The Atlantic's crossword puzzle gets a little more challenging every day, with the biggest puzzle on Sunday.

Play!

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SHIRLEY LI

'We're Going to See an Exodus From Russia to Hollywood'

American studios aren't sacrificing much, but Russian moviegoers and filmmakers will pay a steep price.

SHIRLEY LI



ELAINE GODFREY

Congressional Republicans Have Found Their Red Line

The GOP seems relieved to have bipartisan agreement—and to distance itself a bit from Donald Trump.

ELAINE GODFREY



MARGI SHORE

Nine Books to Read to Understand the War in Ukraine

These books—memoir, fiction, and nonfiction—offer a glimpse into a century of historical context in Eastern Europe.

MARGI SHORE



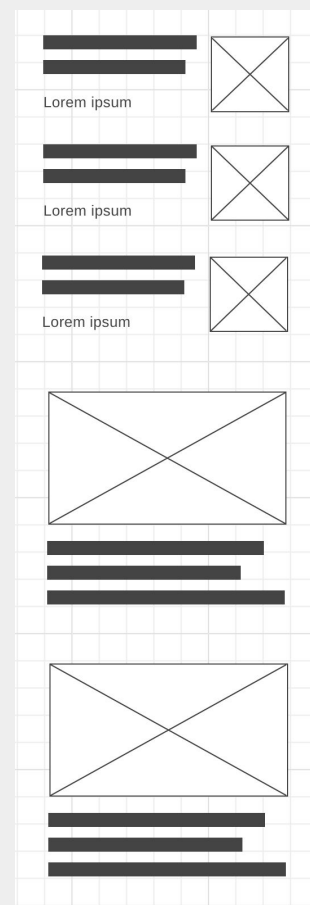
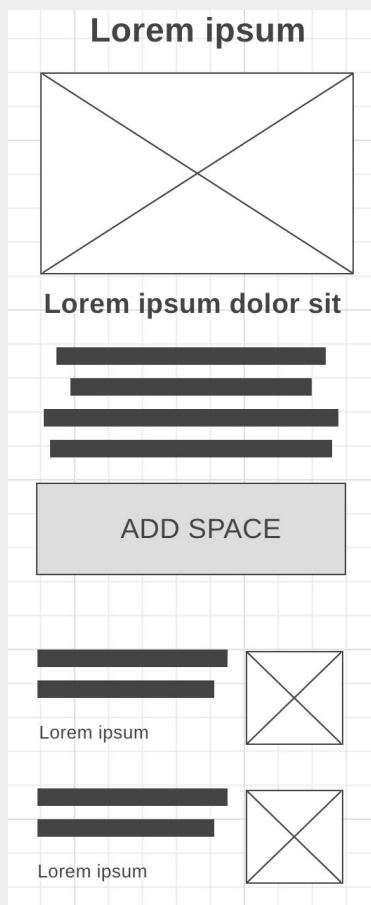
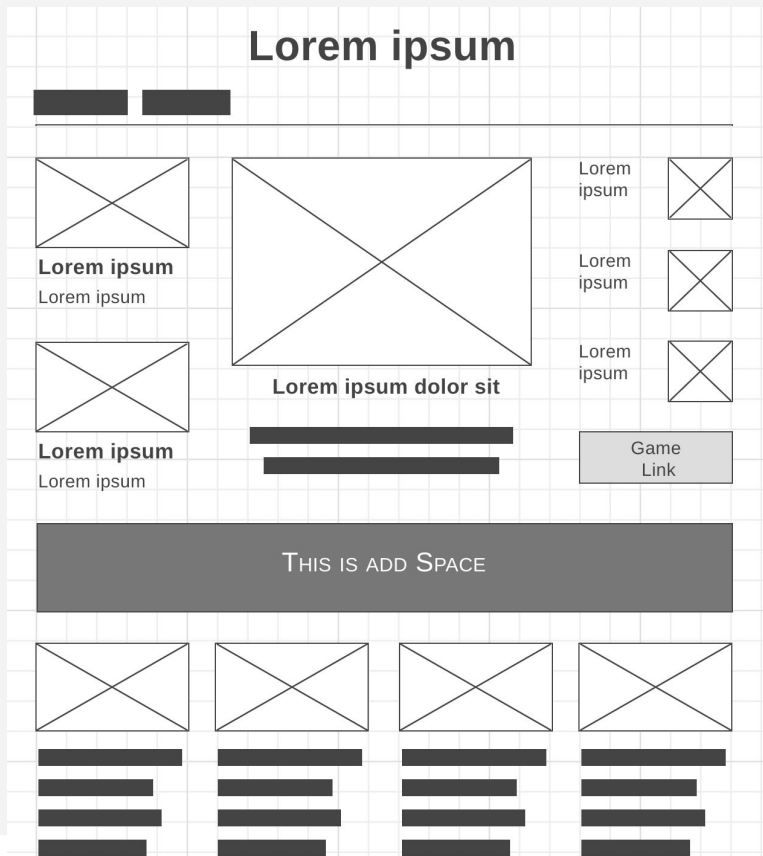
DAVID SIMS

'I Imagined a Future That Was Neither Utopian nor Dystopian'

Colin Farrell and Kogonada discuss their new film, *After Yang*, and the unique vulnerabilities of parenting, stillness, and organic collaboration.

DAVID SIMS

Wireframing: The Atlantic Homepage

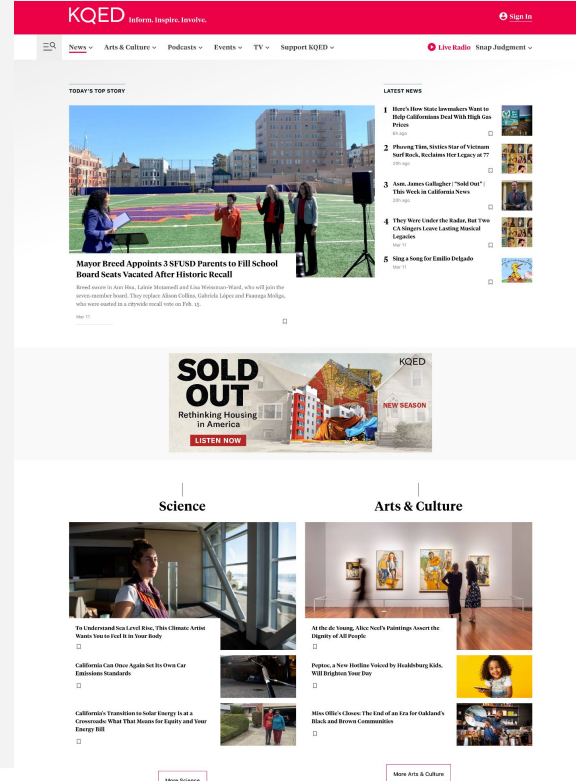


Wireframing: KQED Homepage

Mobile



Desktop



Mobile:

KQED homepage

<https://www.kqed.org/>

KQED Sign In

News Arts & Culture Podcasts Events

Live Radio Radiolab

TODAY'S TOP STORY

Mayor Breed Appoints 3 SFUSD Parents to Fill School Board Seats Vacated After Historic Recall

Breed swore in Ann Hsu, Lainie Motamedi and Lisa Weissman-Ward, who will join the seven-member board. They replace Alison Collins, Gabriela López and Faauuga Moliga, who were ousted in a citywide recall vote on Feb. 15.

Mar 11

LATEST NEWS

- Here's How State lawmakers Want to Help Californians Deal With High Gas Prices**
7h ago
- Phuong Tam, Sixties Star of Vietnam Surf Rock, Reclaims Her Legacy at 77**
21h ago

- 3 Asm. James Gallagher | "Sold Out" | This Week in California News**
21h ago
- 4 They Were Under the Radar, But Two CA Singers Leave Lasting Musical Legacies**
Mar 11
- 5 Sing a Song for Emilio Delgado**
Mar 11

SOLD OUT
Rethinking Housing in America
NEW SEASON

LISTEN NOW KQED

Science

To Understand Sea Level Rise, This Climate Artist Wants You to Feel It in Your Body

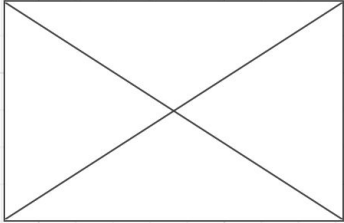
California Can Once Again Set Its Own Car Emissions Standards

California's Transition to Solar Energy Is at a Crossroads: What That Means for Equity and Your Energy Bill

Lorem ipsum






TODAY'S TOP STORY

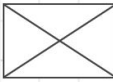



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LATEST NEWS


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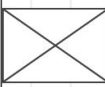
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SECTION



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SOLD OUT
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Desktop:

KQED homepage

<https://www.kqed.org/>

The screenshot shows the KQED website interface. At the top, there is a red navigation bar with the KQED logo and the tagline "Inform. Inspire. Involve." on the left, and a "Sign In" button on the right. Below the navigation bar, there are tabs for "News", "Arts & Culture", "Podcasts", "Events", "TV", and "Support KQED". On the right side of this bar, there are links for "Live Radio" and "Snap Judgment".

The main content area is divided into two columns. The left column is titled "TODAY'S TOP STORY" and features a large image of a group of people on a field. Below the image is the headline "Mayor Breed Appoints 3 SFUSD Parents to Fill School Board Seats Vacated After Historic Recall" and a short summary. The right column is titled "LATEST NEWS" and contains a list of five news items, each with a small thumbnail image.

Below the news section is a large banner for a podcast titled "SOLD OUT: Rethinking Housing in America" with a "LISTEN NOW" button. The banner includes the KQED logo and the text "NEW SEASON".

The page is further divided into two sections: "Science" and "Arts & Culture". Each section contains a grid of article thumbnails with titles and small images. For example, under "Science", there are articles about climate change and solar energy. Under "Arts & Culture", there are articles about art exhibitions and local news.

At the bottom of each section, there is a "More Science" or "More Arts & Culture" button.

Lorem ipsum



TODAY'S TOP STORY

Placeholder for Today's Top Story content, including a large image area and a text box with horizontal bars.

LATEST NEWS

- 1. Lorem ipsum dolor sit amet et
- 1. Lorem ipsum dolor sit amet et
- 1. Lorem ipsum dolor sit amet et

THIS IS ADD SPACE

HEADING

Placeholder for heading content, including a large image area and three text blocks with placeholder icons.

Read More

HEADING

Placeholder for heading content, including a large image area and three text blocks with placeholder icons.

Read More

2024-03-11

J220



TODAY'S TOP STORY



Mayor Breed Appoints 3 SFUSD Parents to Fill School Board Seats Vacated After Historic Recall

Breed more in Ann Hsu, Lathia Williams and Lisa Williams Ward, who will join the seven-member board. They replace Allison Collins, Gabriela Lopez and Fawazah Madiga, who were ousted in a citywide recall vote on Feb. 15.

Mar 11



LATEST NEWS

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Science



To Understand Sea Level Rise, This Climate Artist Wants You to Feel It in Your Body



California Can Once Again Set Its Own Car Emissions Standards

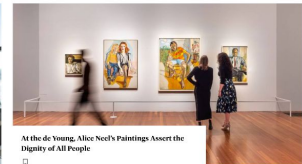


California's Transition to Solar Energy: Is at a Crossroads What That Means for Equity and Your Energy Bill



More Science

Arts & Culture



At the de Young, Alice Neel's Paintings Assert the Dignity of All People



Poproc, a New Hotline Voiced by Healdsburg Kids, Will Brighten Your Day

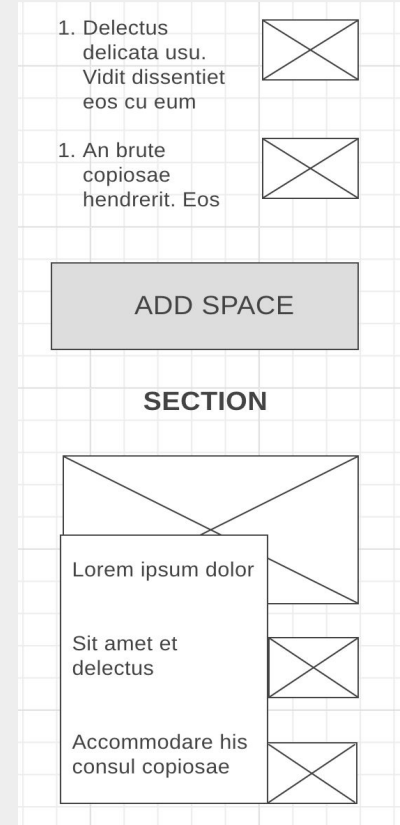
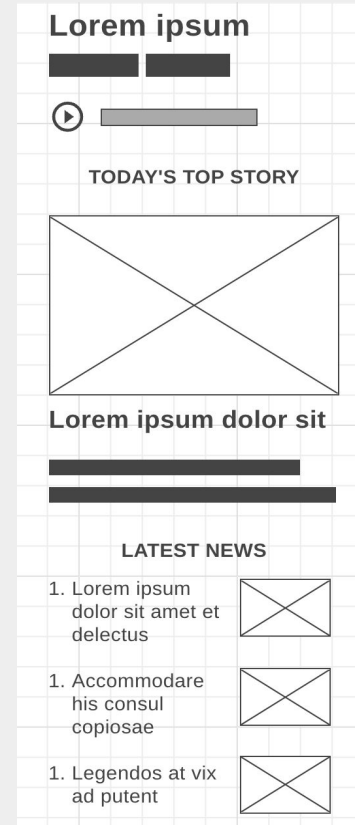
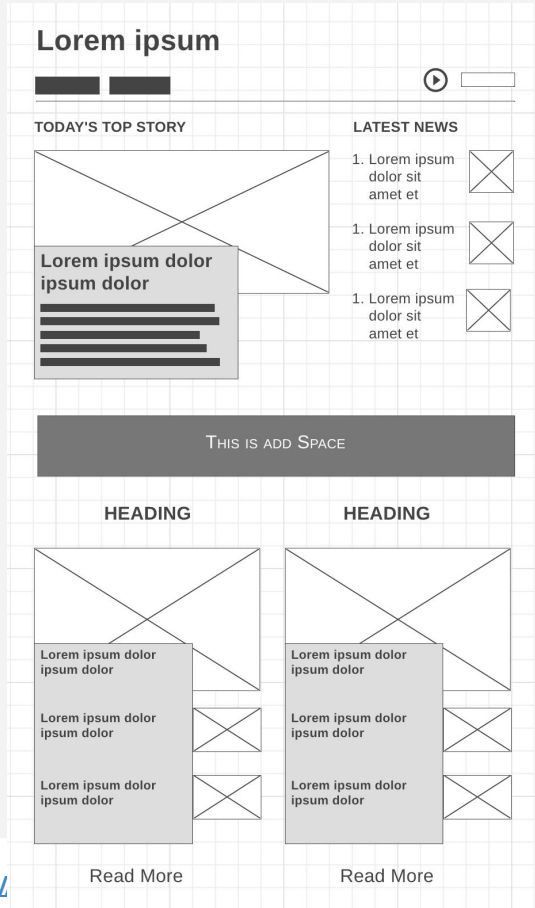


Miss Ollie's Closet: The End of an Era for Oakland's Black and Brown Communities

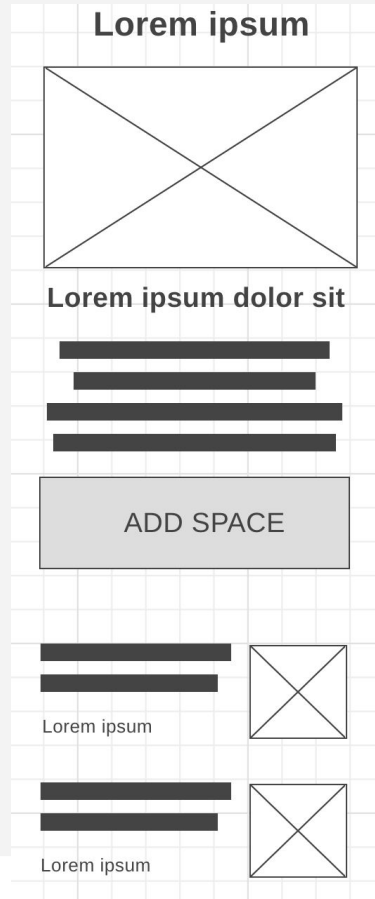
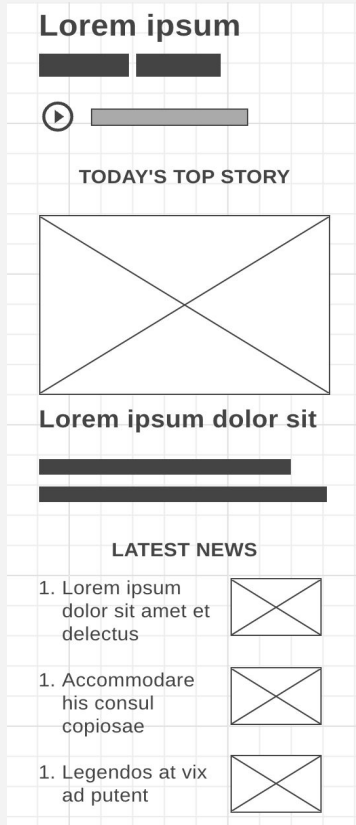


More Arts & Culture

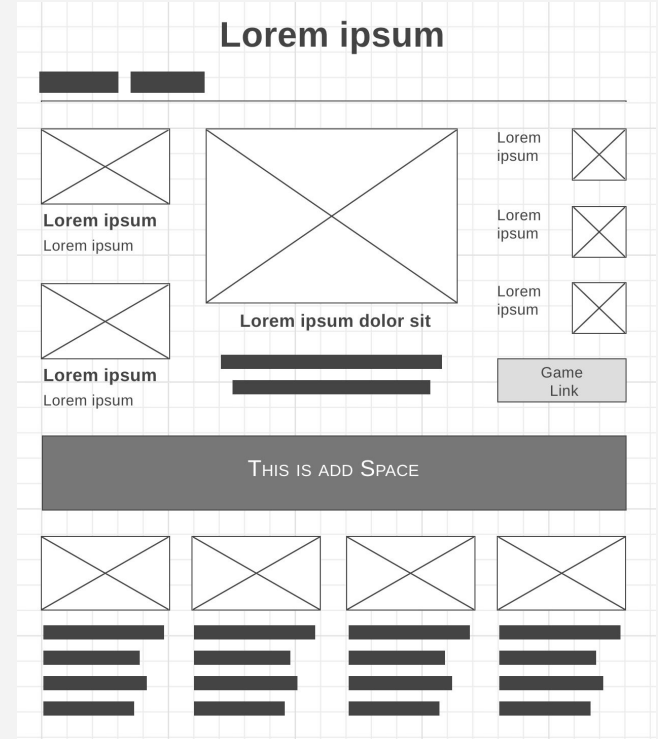
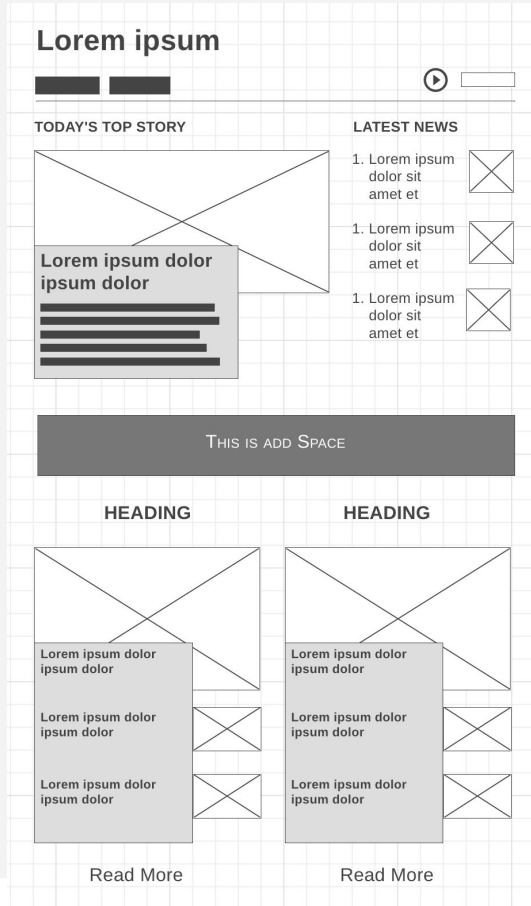
Wireframing: KQED Homepage



Wireframing: Many ways to design for mobile



Wireframing: Many ways to design for desktop



Brainstorming and Inspiration

How to research and look for inspiration

Just like any reporting project, you want to see what has been published.

Don't limit yourself to just news sites. Look at marketing campaigns, design studios, awards.

Here are some links to get you started:

How to research and look for inspiration

This is work you do constantly, not just when you have something to build. So make sure you are saving links that you like.

1. Create a bookmark
2. Save links on a Google Spreadsheet, with categories
3. Make time (30 mins - 1 hour) once a week to just look at what has been published
4. Create lists on design/data lists on Twitter. People share their work all the time
5. Find a designer/journalists whose work you like? Save their author page.

How to research and look for inspiration

Just like any reporting project, you want to see what has been published.

Don't limit yourself to just news sites. Look at marketing campaigns, design studios, awards.

Here are some links to get you started:

1. Datawrapper's weekly DataVis Dispatch newsletter (<https://blog.datawrapper.de/category/data-vis-dispatch/>)
2. Awwward (<https://www.awwwards.com/>)
3. Society for News Design (<https://snd.org/>)
4. CSS Design Awards (<https://www.cssdesignawards.com/>)

In-class exercise: wireframe.cc

Podcast Page

Requirements:

- Logo of podcast should be a prominently displayed
- Photo and short bio for two hosts
- Feature most recent episode
- Icons to audio streaming platforms

Garden Section

Requirements:

- Newsletter signup
- Featured video with a short description
- Latest news section, at least 3 items
- Submission form for reader gardening questions

Homework

<https://journ220.github.io>

Homework

Assignment 7

Office hours (Final
project check-in)