

# J220

## Coding for Journalists

LECTURER

Yoli Martinez

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?

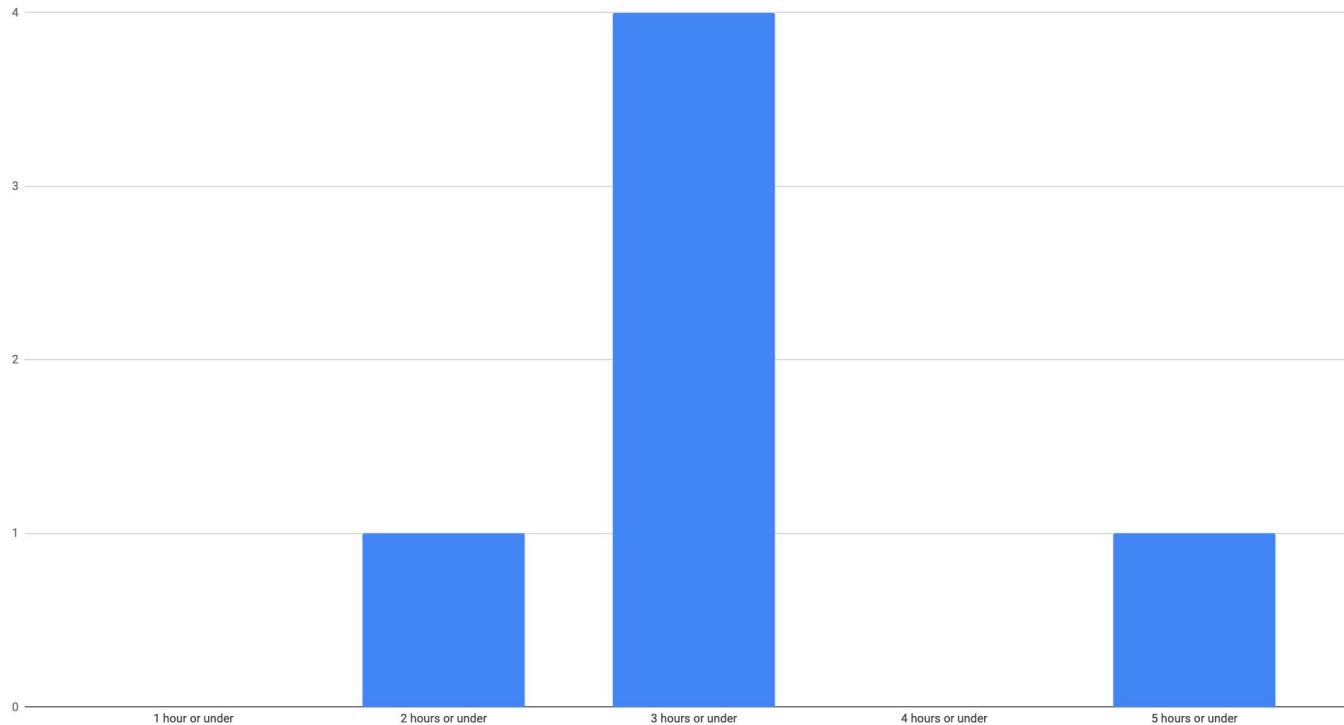
Homework

# 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

The screenshot shows the Google Fonts interface. On the left, there's a sidebar with navigation links: Fonts, Noto, Icons, Knowledge, FAQ, and a preview section with a font size slider set to 24px. The main area displays a preview of the text "this sentence is to test how this". Below the preview, the first font listed is "Playfair Display Variable (2 axes)" by Claus Eggers Sørensen. A red circle highlights the "(2 axes)" part of the description. The second font listed is "Merriweather" with "8 styles" and "Skin Type" options, also with a red circle highlighting the "8 styles". The third font listed is "Lora" with "Variable (2 axes)" and "Cyreal" options. The fourth font listed is "PT Serif" with "4 styles" and "ParaType" options. Each font entry includes a preview of the text "this sentence is to test how this".

# Google Fonts

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

The screenshot shows the Google Fonts Specimen page. At the top, there's a search bar labeled "Search fonts" and a "Sort by" dropdown. Below the search bar are tabs for "Specimen" (which is selected), "Type tester", "Glyphs", and "About & license". A slider for font size is set to 48px. The main content area displays the sentence "this sentence is to test how this" in five different font styles:

- Light 300: The sentence is in a light gray font.
- Light 300 Italic: The sentence is in an italicized light gray font.
- Regular 400: The sentence is in a dark gray font.
- Regular 400 Italic: The sentence is in an italicized dark gray font.
- Bold 700: The sentence is in a bold black font.

# 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 is the Google Fonts logo. In the top right corner, there is a blue button labeled 'Get 1'. Below the logo, the text '1 font family selected' is displayed. Underneath this, the font family 'Merriweather' is listed with the status 'Static'. A preview of the font is shown with the text 'Everyone has the right to freedom'. To the right of the preview, there are 'Share' and 'Remove all' buttons, along with trash and edit icons. A large blue call-to-action button labeled 'Get embed code' is prominently displayed. Below it is another blue button labeled 'Download all (1)'. At the bottom of the interface, there is a link 'See how to use'.

# Google Fonts

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

The screenshot shows the 'Embed code' section of the Google Fonts interface for the Merriweather font. On the left, there's a preview area showing the text "Whereas recognition of" in different styles. Below the preview, there are two main sections: "Web" and "Android". The "Web" section is selected and contains the following 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">
```

Below this, there's a "Copy code" button. The "Android" section is shown below it.

On the right side of the interface, there's a sidebar with the Merriweather font name and a "View 1 more" link.

# 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:ita
l,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 */
```

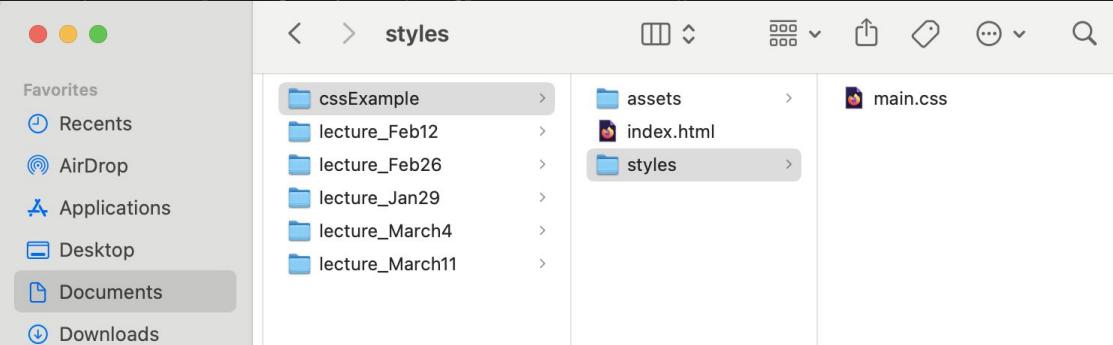
```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <title>Advanced CSS</title>
    <meta name="description" content="A page that shows how to use CSS floats.">
    <link rel="stylesheet" href=".//styles/main.css">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

## 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 imperdett tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdett imperdett sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

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

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

```
t="a cat w  
a cat.</fi  
tor.</p>
```

```
tor.</p>
```

```
t="a cat w  
a cat.</figcaption  
tor.</p>
```

```
tor.</p>
```

```
t="a cat walking in snow">  
a cat.</figcaption>
```

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;  
}
```

```
<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>
```

```
= "a cat w  
cat.</fig  
or.</p>
```

```
or.</p>
```

```
= "a cat w  
cat.</figcaption  
or.</p>
```

```
or.</p>
```

```
or.</p>
```

```
= "a cat walking in snow">  
cat.</figcaption>
```

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**



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 lacinia 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>
```

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

Notice figure still retains its inherit margins.

```
at w
</fig>
<p>
at w
</figcaption>
<p>
<p>
at walking in
</figcaption>
```

# 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;  
}
```

## 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 imperdier 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.

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



Sometimes petting a cat can help with stress

# 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 imperdett tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdett imperdett 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 imperdett tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdett imperdett 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

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 imperdett tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdett imperdett 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 imperdett tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdett imperdett sem, vel gravida nisl maximus aliquam. Sed vel feugiat risus, sed varius justo. Maecenas tempor ante dui, et semper lorem aliquet ac.

### Using float none

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 imperdett tempus ex et pretium. Donec consectetur metus eu augue consectetur rutrum. Nulla imperdett imperdett 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

# 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

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.

### 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

### Using float none

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

</main>

# Yes clear

## No clear

### 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 imperdierit 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 imperdierit 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



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

#### Using float none

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



## Examples of using the float property

#### Using float left

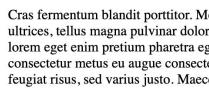


Sometimes petting a cat can help with stress

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 imperdierit imperdierit 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 imperdierit imperdierit 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



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 imperdierit imperdierit 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 imperdierit imperdierit 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

#### Using float none

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

# 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>  
  <h1>Examples of using the float</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.

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.

### 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.

### Using float none

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.



```
</SECTION>  
</main>
```



Sometimes petting a cat can help with stress

# 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](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

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

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

ipsum, blandit luctus  
velit. Vestibulum ac  
jula. Pellentesque

Cras vulputate augue ut  
tra. 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](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

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

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

# 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

H ere 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 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: "";  
}
```

```
<!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>
```

A way to show highlight data

# ::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 testhighlight 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-elements 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";  
}
```

```
<!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>
```

A way to show highlighttest data

# 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 <blockquotes>

To add emojis!

### Bill To / Billing Address

Full Name	John Newman	✓
Street Address	2125 Chestnut st	✓
optional		
Zip Code	9412	Enter Zip for City & State The specified ZIP is invalid
Phone		
Email		

# Pseudo-elements

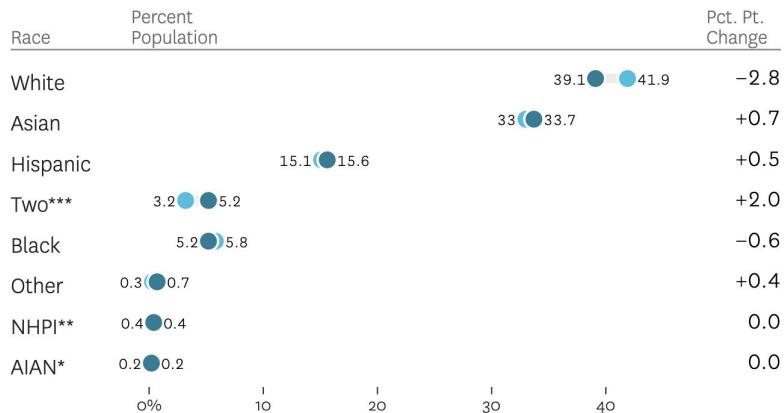
## ::before, ::after

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:

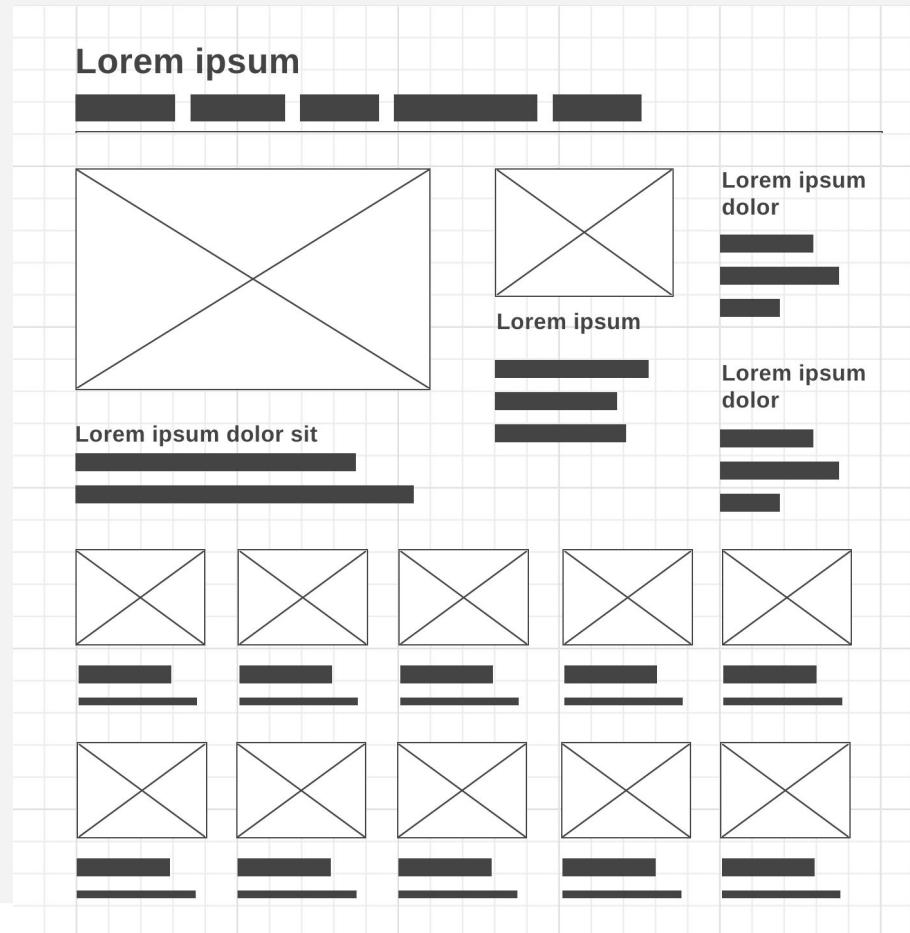
1. Hierarchy
2. Proximity
3. White space
4. Alignment

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.



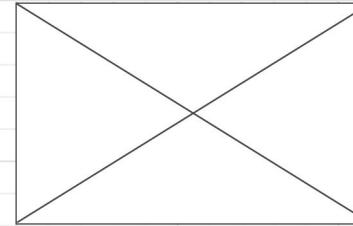
# Basic Design

The black bars can represent paragraphs or headlines.

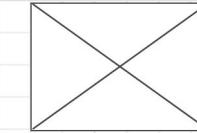
The boxes with an x across are stand-ins for photos.

We will work with these later in the class!

**Lorem ipsum**



**Lorem ipsum dolor sit**



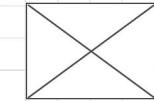
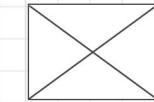
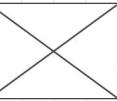
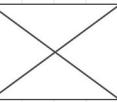
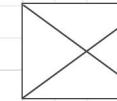
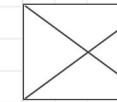
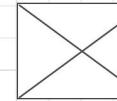
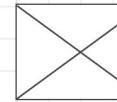
**Lorem ipsum**



**Lorem ipsum dolor**

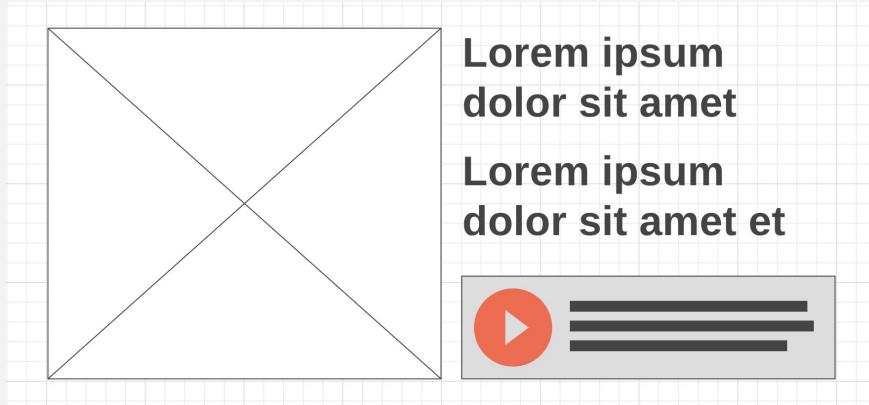


**Lorem ipsum dolor**



# Basic Design: Hierarchy

Helps signify importance and order on the page



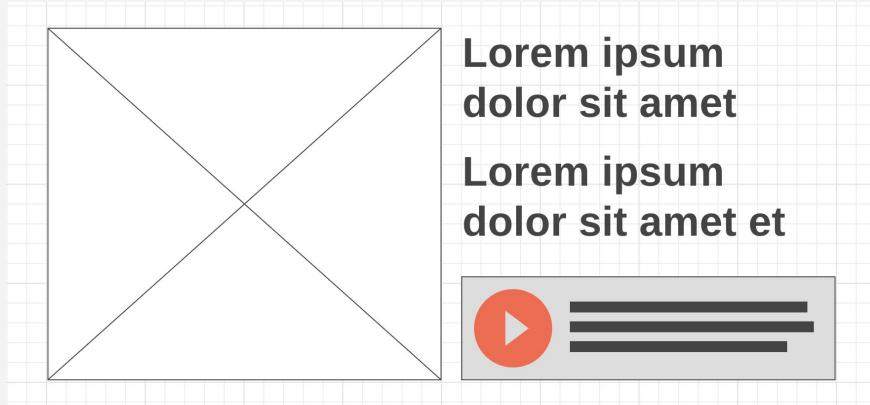
**Lorem ipsum dolor sit amet  
et delectus accommodare**

**Lorem ipsum dolor sit amet  
et delectus accommodare**

**Lorem ipsum dolor sit amet  
et delectus accommodare**

# Basic Design: Hierarchy

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



Lorem ipsum dolor sit amet  
et delectus accommodare

Lorem ipsum dolor sit amet  
et delectus accommodare

Lorem ipsum dolor sit amet  
et delectus accommodare

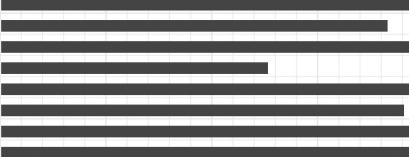
# Basic Design: Hierarchy

Lorem ipsum dolor sit amet  
et delectus accommodare

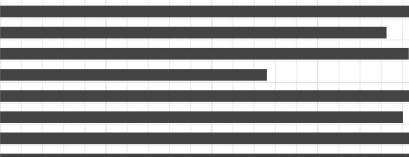


Bad

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

Lorem ipsum dolor sit amet  
et delectus accommodare



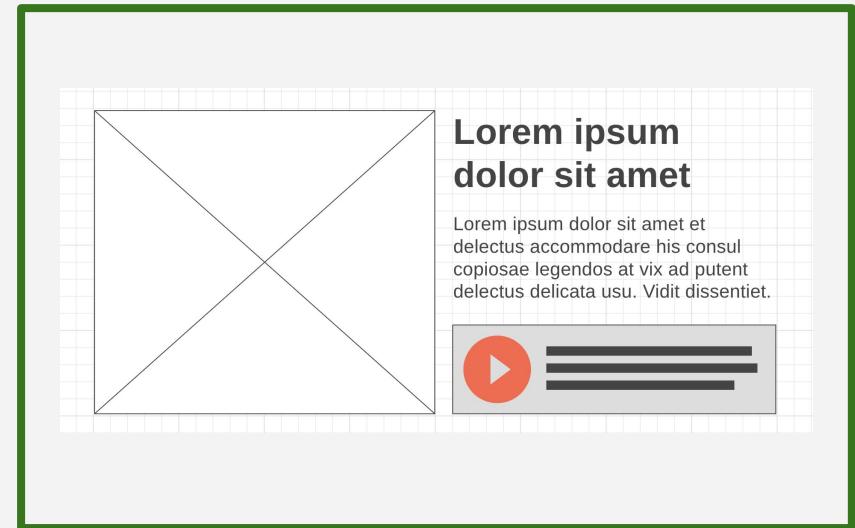
Lorem ipsum dolor sit amet  
et delectus accommodare



# Basic Design: Hierarchy



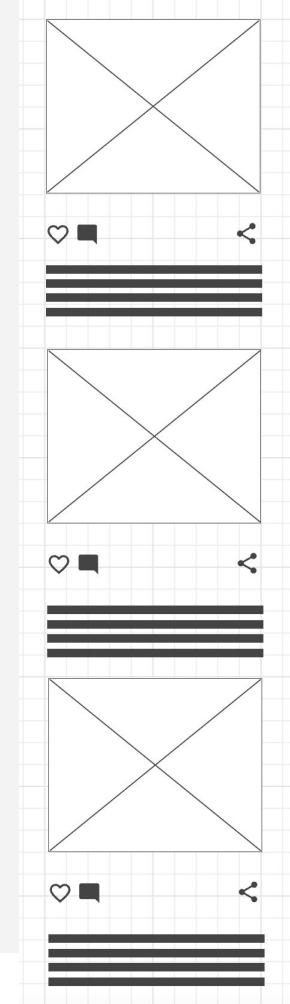
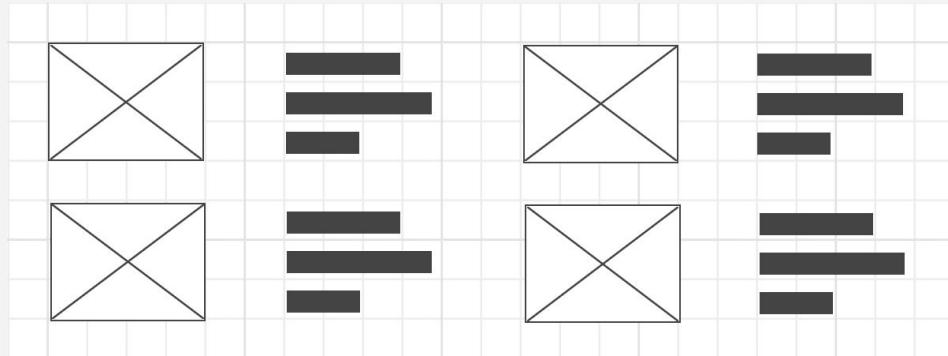
Bad



Good

# Basic Design: Proximity

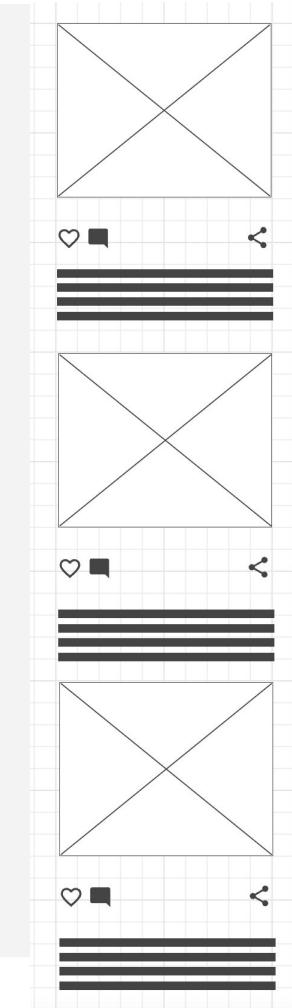
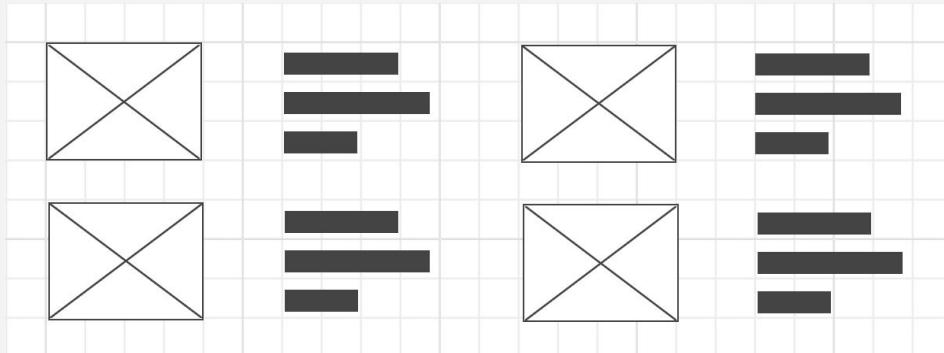
Helps with readability and grouping related elements together.



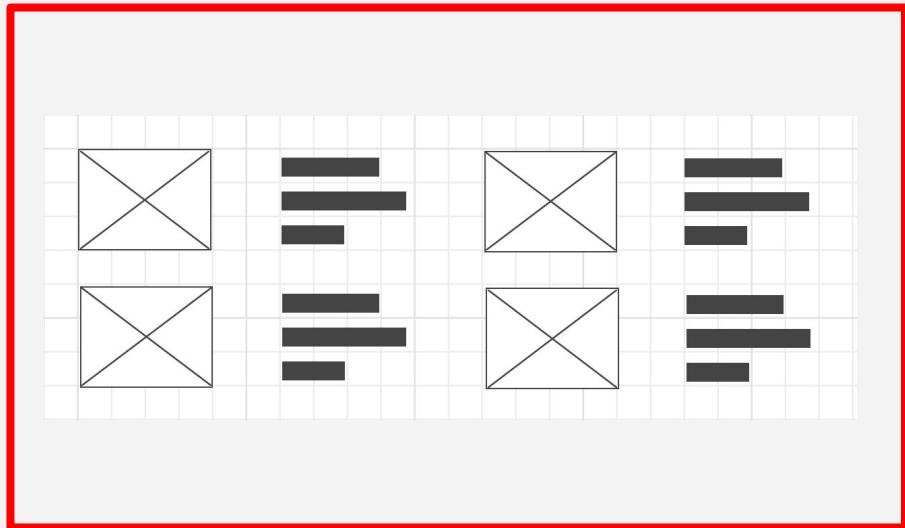
# Basic Design: Proximity

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

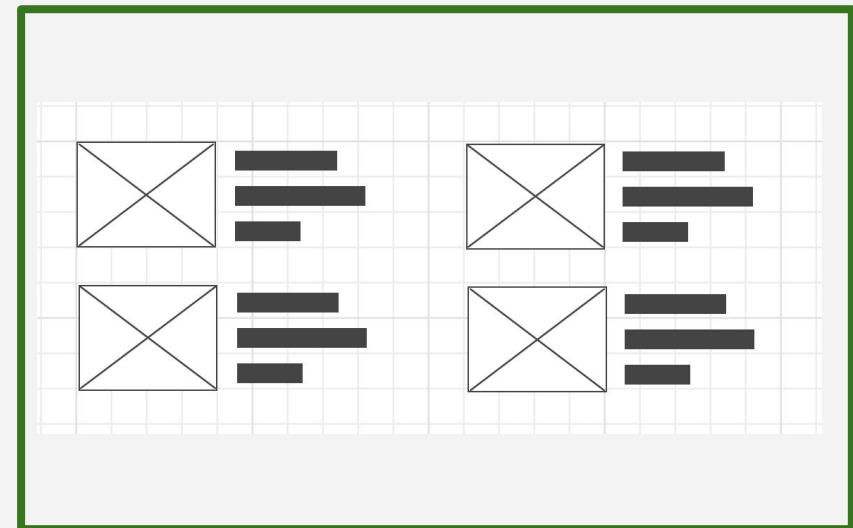
But it's hard to quickly figure out what  
content is grouped together



# Basic Design: Proximity

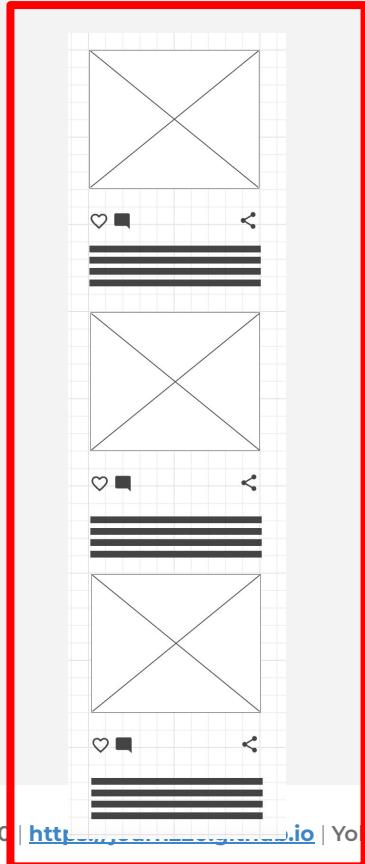


Bad

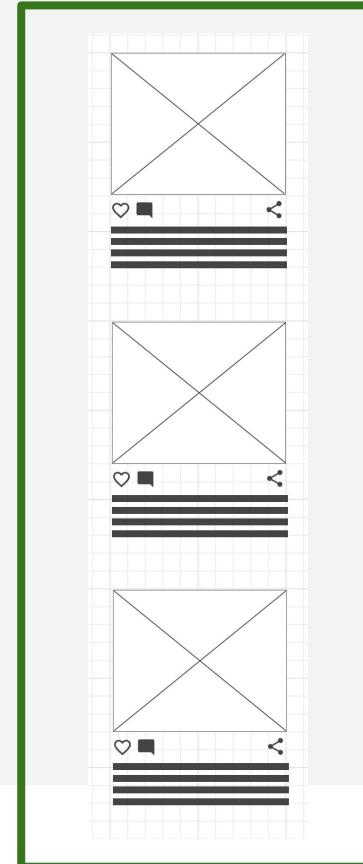


Good

# Basic Design: Proximity



Bad

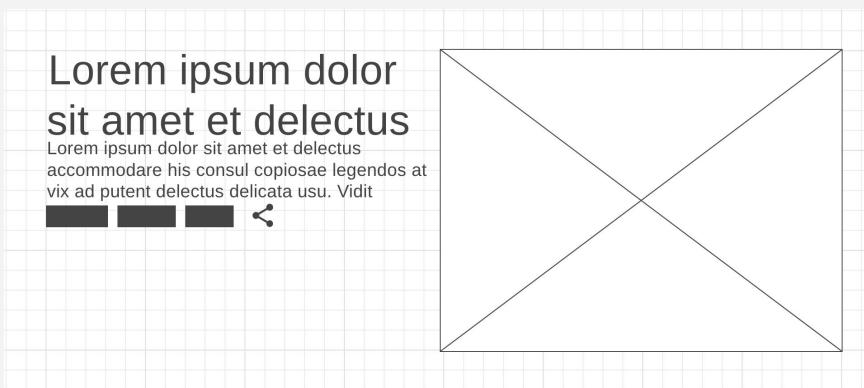


Good

# Basic Design: White Space

Helps with readability and hierarchy.

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



**Lorem ipsum dolor sit amet et delectus**

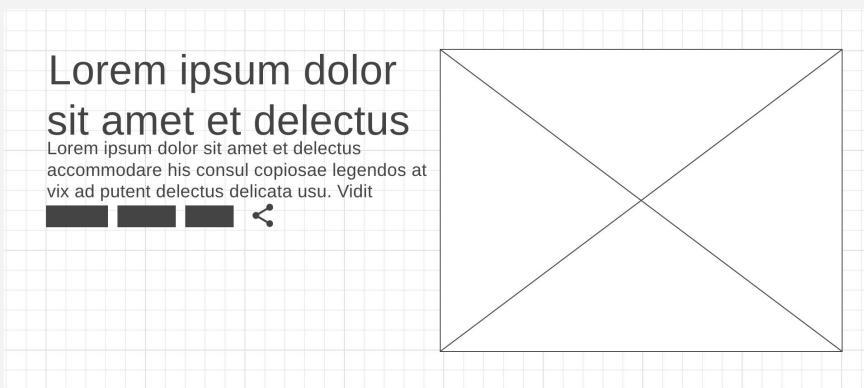
Lorem ipsum dolor sit amet et delectus accommodare his consul copiosae legendos at vix ad putent delectus delicata usu. Vedit dissentiet eos cu eum an brute copiosae hendrerit. Eos erant dolorum an. Per facer afferit ut. Mei iisque mentitum moderatius cu. Sit munere facilis accusam eu dicat falli consulatu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

# Basic Design: White Space

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



**Lorem ipsum dolor sit amet et delectus**

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

# Basic Design: White Space

Lore ipsum dolor sit amet et delectus  
accommodare his consul copiosae legendos at  
vix ad putent delectus delicata usu. Vedit  
dissentiet eos cu eum an brute copiosae  
henderit. Eos erant dolorum an. Per facer affer  
ut. Mei iisque mentitum moderatius cu. Sit  
munera facilis accusam eu dicat falli consulatu at  
vis. Te facilisim mnesarchum qui posse omnium  
mediocritatem est cu. Modus argumentum ne qui  
tation efficiendi in eos. El mea falli legere  
efficiantur et tollit aliquip debitis mei. No deserunt  
mediocritatem mel. Lore ipsum dolor sit amet  
et delectus accommodare his consul copiosae  
legendos at vix ad putent delectus delicata usu.  
Vedit dissentiet eos cu eum an brute copiosae  
henderit. Eos erant dolorum an. Per facer affer  
ut. Mei iisque mentitum moderatius cu. Sit  
munera facilis accusam eu dicat falli consulatu at  
vis. Te facilisim mnesarchum qui posse omnium  
mediocritatem est cu. Modus argumentum ne qui  
tation efficiendi in eos. El mea falli legere  
efficiantur et tollit aliquip debitis

## Add Space

Lore ipsum dolor sit amet et delectus  
accommodare his consul copiosae legendos at  
vix ad putent delectus delicata lego. Vidit  
dissentiet eos cu eum an brute copiosae  
hendrict. Eos erant dolorum an. Per facer afferit  
ut. Mei isisque mentitum moderatius cu. Sit  
munera facilis accusam eu dicat falli consulatu at  
vis. Te facilisis mnesarchum qui posse omnium  
mediocritatem est cu. Modus argumentum ne qui  
tatione efficiendi in eos.

**Bad**

**1** Lorem ipsum dolor  
sit amet et delectus

Lore ipsum dolor sit amet et delectus  
accommodare his consul copiosae legendos at  
vix ad putent delectus delicata usu. Vidit  
dissentient eos cu eum an brute copiosae  
henderit. Eos erant dolorum an. Per facer affert  
ut. Mei isisque mentitum moderatur cu. Sit  
munere facilius accusum eu dicat fali 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 toliti aliquip debitis mei. No deserunt medicoritatem mel. Lorem ipsum dolor sit amet et delectus accommodare his consul copiosae legendos at vix ad putent delicata usu. Vidi dissentient eos cu eum an brute copiosae hendiret. Eos erant dolorum an. Per facer afferat ut. Mei quisque mentium moderatus cu. Sit munere facili accusam eu dicat fali consulatu at vis. Te facilis mnesarchum qui posse omnium medicoritatem est cu. Modus argumentum ne qui tation efficiendi in eos. Ei mea falli legere efficiantur et toliti aliquip debitis

### Add Space

Lorem ipsum dolor sit amet et delectus  
  accommodare his consul copiosae legendos at  
  vid ut patent delectus deliciata us. Vidit  
  dissentient eos cu eum an brute copiosae  
  hendrerit. Eos erant dolorum an. Per facer affert  
  ut. Mei isque mentium moderatus cu. Sit  
  munere facilis accusam eu dicat falli consulatu at  
  vis.

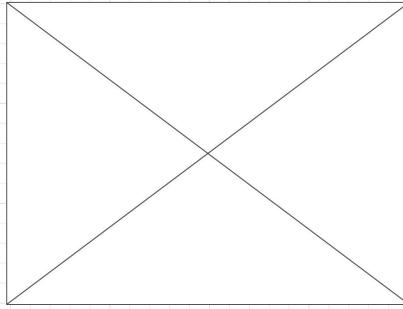
Te facilisis mnesarchum qui posse omnium mediocritatem est cu. Modus argumentum ne quia tation efficiendi in eos.

Good

# Basic Design: White Space

**Lore ipsum dolor  
sit amet et delectus**

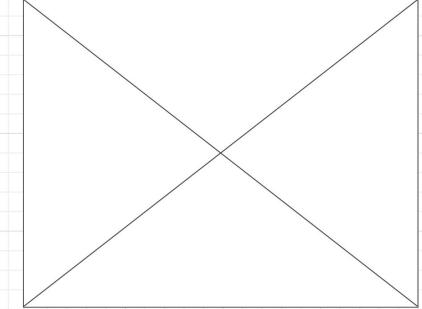
Lore ipsum dolor sit amet et delectus  
accommodare his consul copiosae legendos at  
vix ad putent delectus delicata usu. Vedit



**Bad**

**Lore ipsum dolor  
sit amet et delectus**

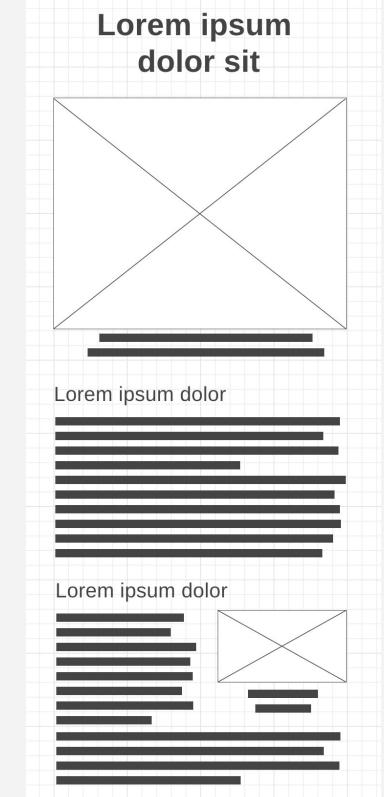
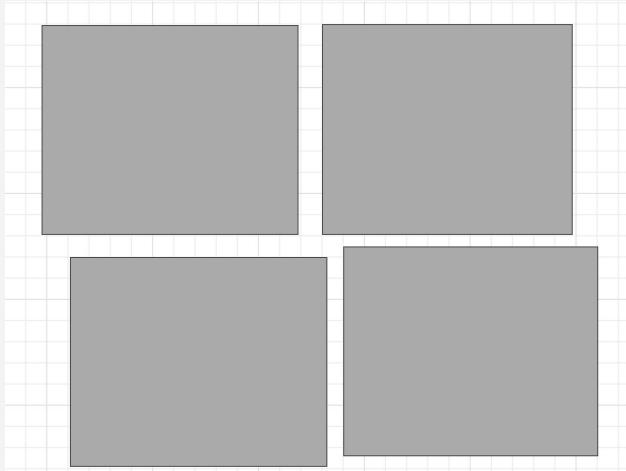
Lore ipsum dolor sit amet et delectus  
accommodare his consul copiosae  
legendos at vix ad putent delectus delicata  
usu. Vedit



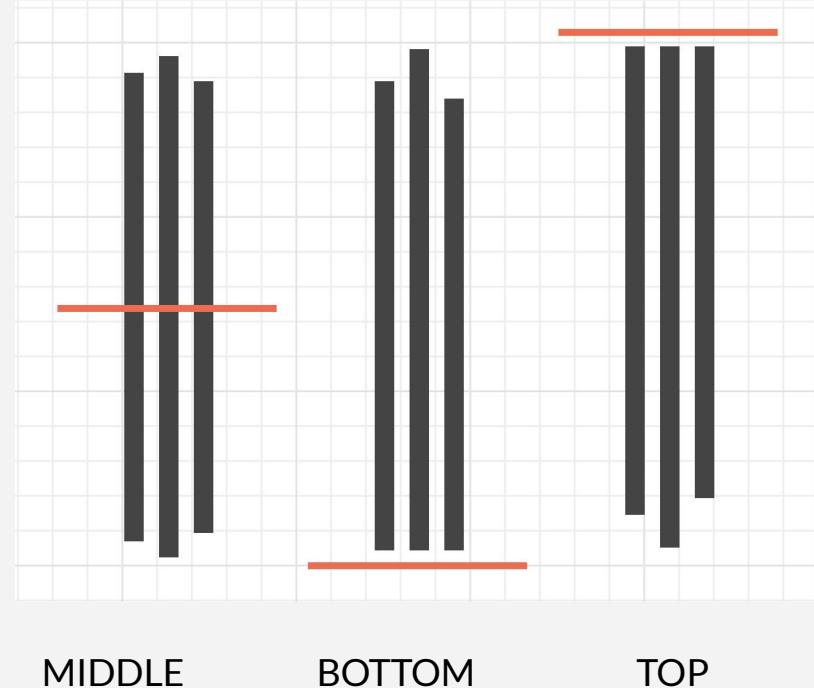
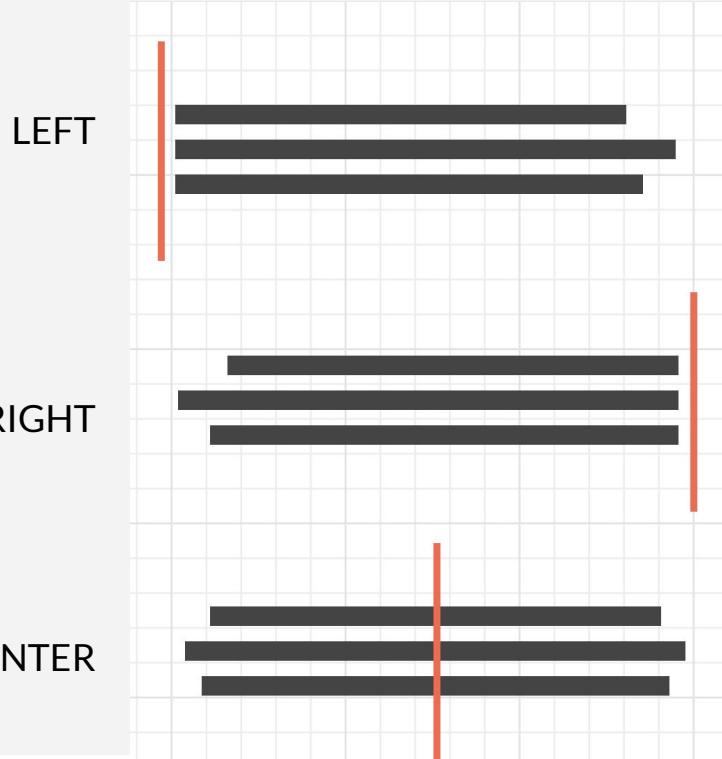
**Good**

# Basic Design: Alignment

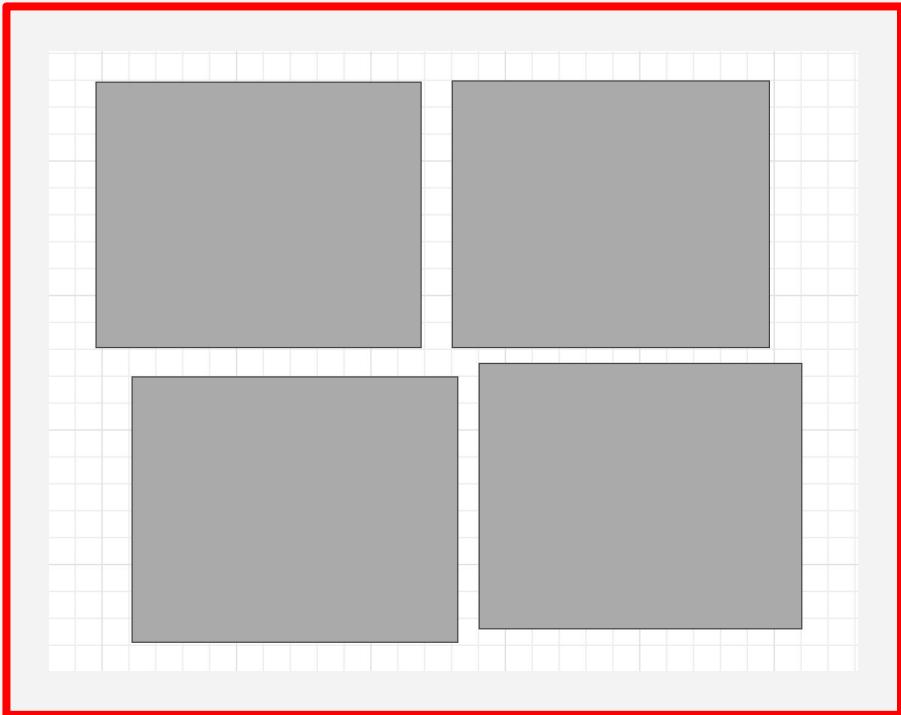
Probably the most used design principle.



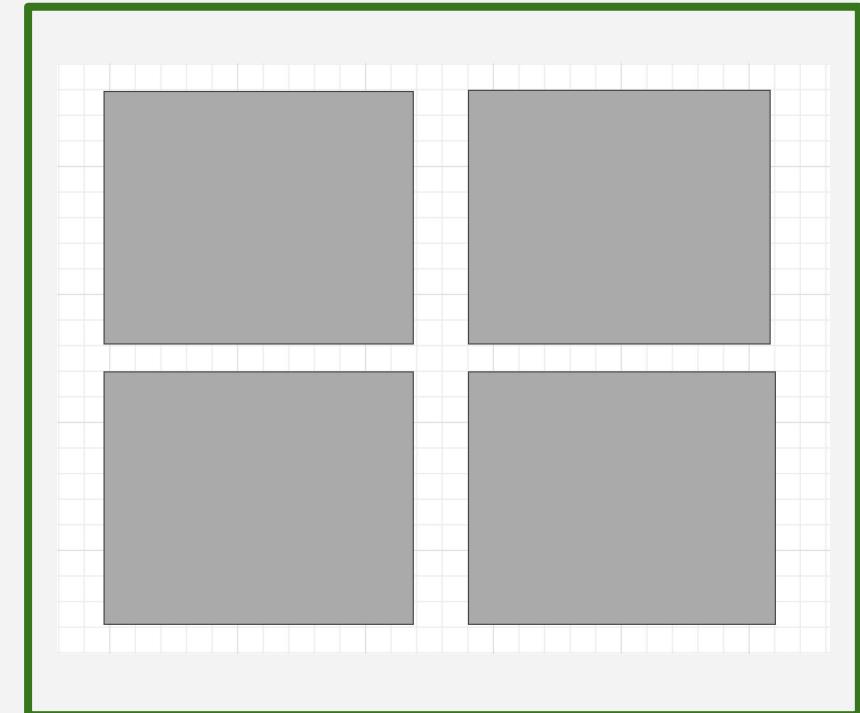
# Basic Design: Alignment



# 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

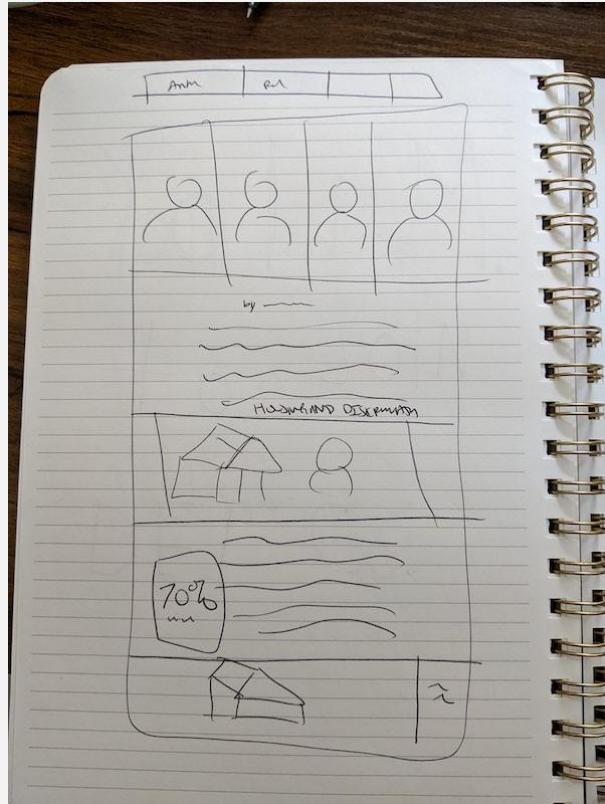
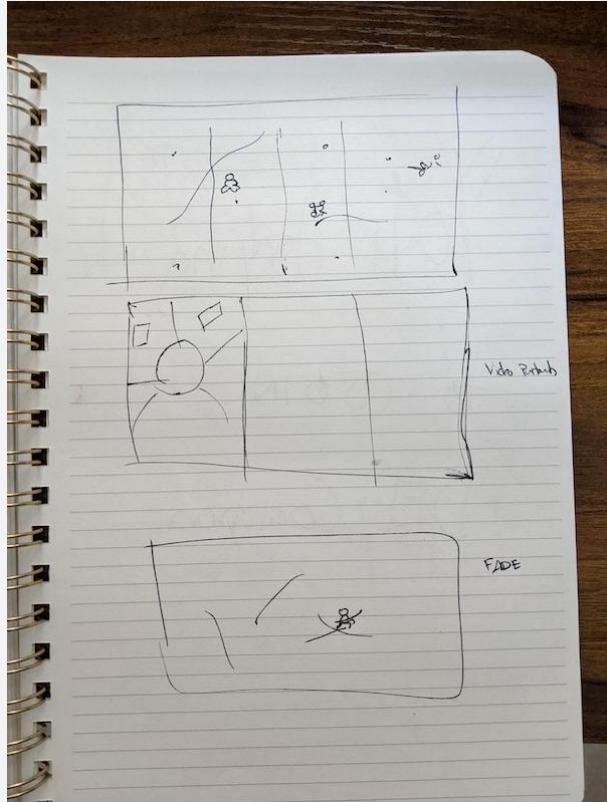
Why do you need to create one?

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



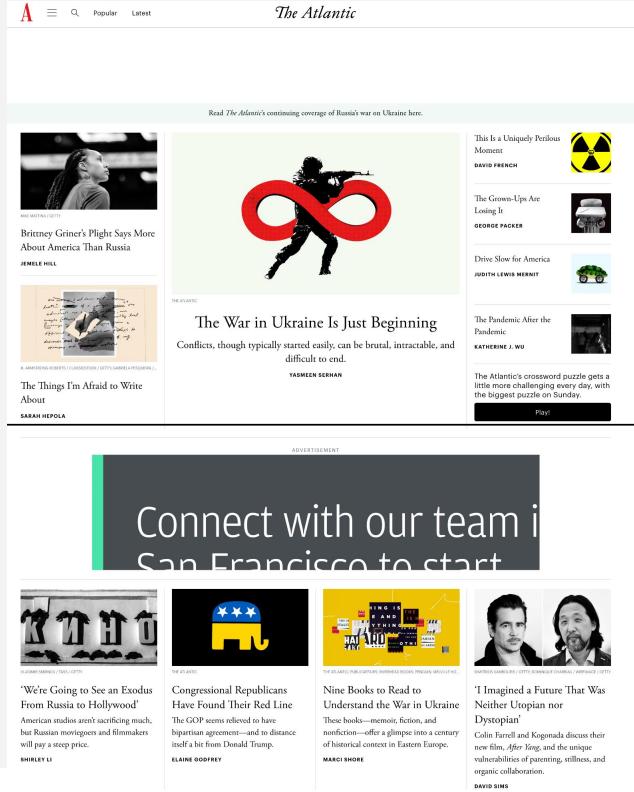
# Wireframing: The Atlantic Homepage

Mobile



The mobile wireframe shows a header with a menu icon, a large red letter 'A' logo, and a 'Subscribe' button. Below the header, a callout reads 'Read *The Atlantic's* continuing coverage of Russia's war on Ukraine here.' A large image of a soldier carrying a red infinity symbol is displayed. The main article title is 'The War in Ukraine Is Just Beginning' by Yasmeen Serhan. A quote follows: 'Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.' The author's name 'YASMEEN SERHAN' is below the quote. An 'ADVERTISEMENT' section is shown below the main content. At the bottom, there are three sidebar articles: 'This Is a Uniquely Perilous Moment' by David French with a yellow radiation hazard icon, 'The Grown-Ups Are Losing It' by George Packer with a small illustration of a person, and 'The West Isn't Doing Enough'.

Desktop



The desktop wireframe shows a header with a menu icon, a search bar, and links for 'Popular' and 'Latest'. The 'The Atlantic' logo is at the top right. Below the header, a callout reads 'Read *The Atlantic's* continuing coverage of Russia's war on Ukraine here.' A large image of a soldier carrying a red infinity symbol is displayed. The main article title is 'The War in Ukraine Is Just Beginning' by Yasmeen Serhan. A quote follows: 'Conflicts, though typically started easily, can be brutal, intractable, and difficult to end.' The author's name 'YASMEEN SERHAN' is below the quote. An 'ADVERTISEMENT' section is shown below the main content. At the bottom, there are three sidebar articles: 'This Is a Uniquely Perilous Moment' by David French with a yellow radiation hazard icon, 'The Grown-Ups Are Losing It' by George Packer with a small illustration of a person, and 'The Pandemic After the Pandemic' by Katherine J. Wu with a small illustration of a person. There is also a 'Play' button for a video. The footer features a large dark banner with the text 'Connect with our team in San Francisco to start' and several smaller article cards.

# Mobile:

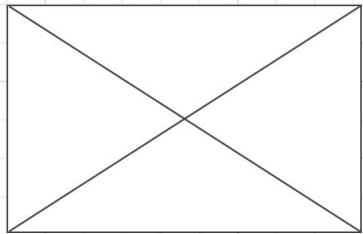
The Atlantic homepage

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

The screenshot shows the mobile version of The Atlantic's website. At the top, there is a navigation bar with a menu icon, a large red letter 'A' logo, and a 'Subscribe' button. Below the header, a headline reads 'Read *The Atlantic*'s continuing coverage of Russia's war on Ukraine here.' A large, stylized graphic of a soldier running through a red infinity symbol is displayed. The main article is titled 'The War in Ukraine Is Just Beginning' by Yasmeen Serhan. Below it, there is an advertisement section. Further down, there are two more articles: 'This Is a Uniquely Perilous Moment' by David French and 'The Grown-Ups Are Losing It' by George Packer. On the right side of the page, there are sidebar columns featuring a news item about Brittney Griner, an interview with Jemele Hill, and a piece by Sarah Hepola.

The sidebar on the right contains several news items and features. One item is 'Drive Slow for America' by Judith Lewis Mernit, accompanied by a small illustration of a turtle. Another item is 'The Pandemic After the Pandemic' by Katherine J. Wu. There is also a call-to-action for signing up for a daily newsletter with fields for email address and a 'Sign up' button. Below these, there is a large black and white photograph of Brittney Griner looking upwards. The sidebar continues with an interview with Jemele Hill and an article by Sarah Hepola titled 'The Things I'm Afraid to Write About'.

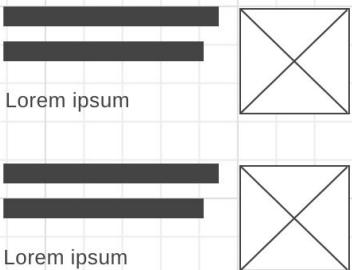
# Lore ipsum



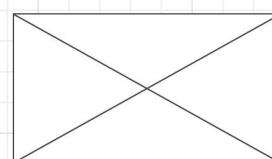
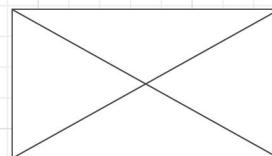
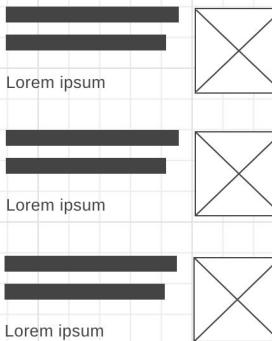
**Lore ipsum dolor sit**



**ADD SPACE**



oli Mart



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



Brittney Griner's Plight Says More About America Than Russia

JEMELE HILL



H. ARMSTRONG ROBERTS / CLASSICSTOCK / GETTY; GABRIELA PESQUIDA / THE ATLANTIC

The Things I'm Afraid to Write About

SARAH HEPOLA

# Desktop:

The Atlantic homepage

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

A Popular Latest

The Atlantic



Brittney Griner's Plight Says More About America Than Russia

JEMELE HILL



The Things I'm Afraid to Write About

SARAH HEPOLA

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

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 moviegoers 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.

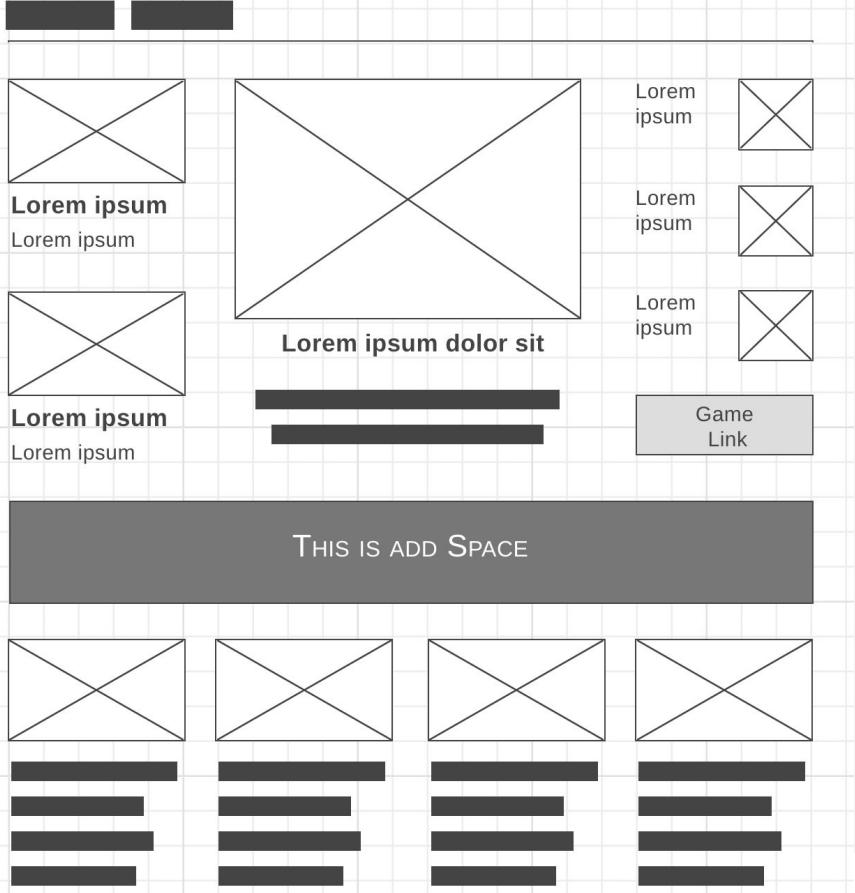
MARCI SHORE



'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

# Lorem ipsum



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 Things I'm Afraid to Write About

SARAH HEPOLA



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 moviegoers 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.

MARCI 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

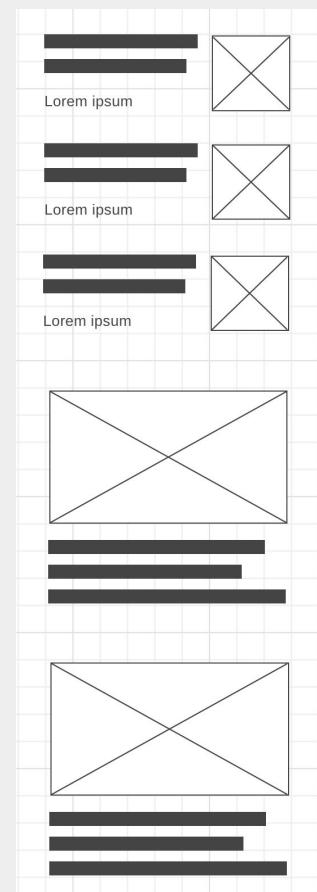
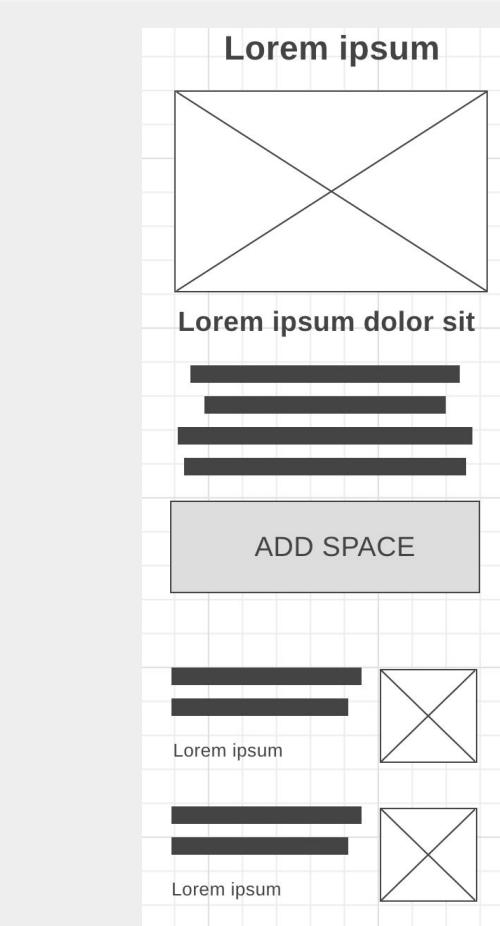
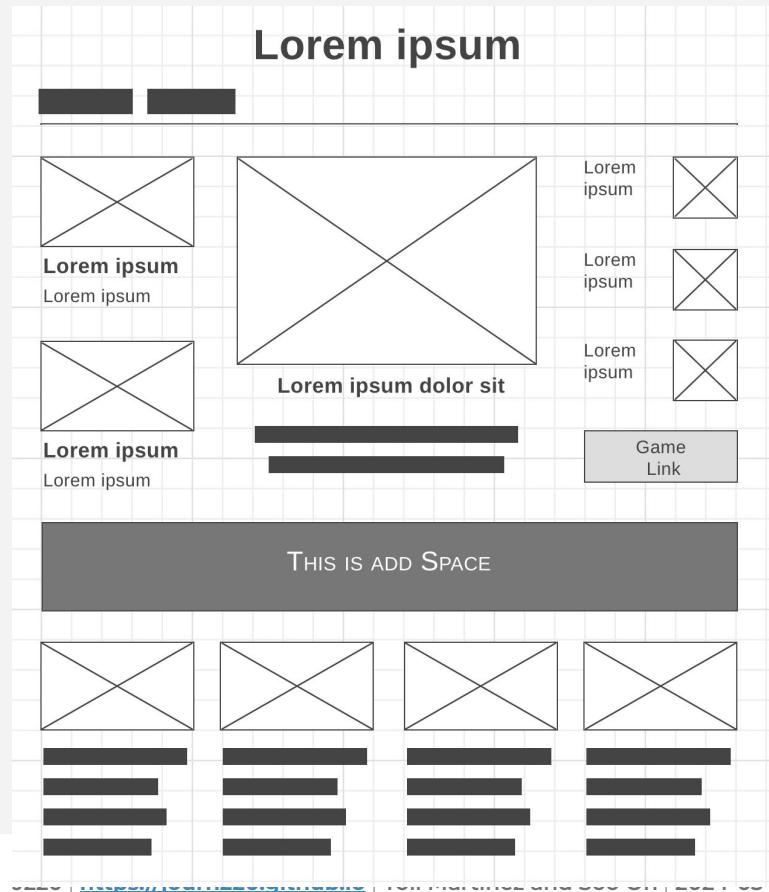
The West Isn't Doing Enough

We Need to Relearn What

Our Brains Want the



# Wireframing: The Atlantic Homepage



# Wireframing: KQED Homepage

Mobile

The mobile wireframe shows a dark header with the KQED logo and a "Sign In" button. Below it is a navigation bar with "News", "Arts & Culture", "Podcasts", and "Events". A "Live Radio" button with "Radiolab" is also present. The main content area features a "TODAY'S TOP STORY" section with a thumbnail image of three people on a school field. The headline reads: "Mayor Breed Appoints 3 SFUSD Parents to Fill School Board Seats Vacated After Historic Recall". Below the headline is a detailed description: "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." At the bottom of the story is a timestamp "Mar 11".

**LATEST NEWS**

- 1 [Here's How State lawmakers Want to Help Californians Deal With High Gas Prices](#)  
7h ago
- 2 [Phuong Tâm, Sixties Star of Vietnam Surf Rock, Reclaims Her Legacy at 77](#)  
2th ago

Desktop

The desktop wireframe features a red header with the KQED logo and the tagline "Inform. Inspire. Involve.". It includes a "Sign In" button, a search icon, and links for "News", "Arts & Culture", "Podcasts", "Events", "TV", and "Support KQED". A "Live Radio" button with "Snip Judgment" is also present.

**TODAY'S TOP STORY**

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

**LATEST NEWS**

- 1 [Here's How State lawmakers Want to Help Californians Deal With High Gas Prices](#)  
7h ago
- 2 [Phuong Tâm, Sixties Star of Vietnam Surf Rock, Reclaims Her Legacy at 77](#)  
2th ago
- 3 [Ass. Justice Gallagher's 'Gold Out' This Week in California News](#)  
1hr ago
- 4 [They Were Under the Radar, But Two CA Singers Enter Lasting Musical Legacies](#)  
1hr ago
- 5 [Sing a Song for Emilio Delgado](#)  
1hr ago

**SOLD OUT**  
Rethinking Housing in America  
[LISTEN NOW](#)

**Science**

- [To Understand Sea Level Rise, This Climate Artist Wants You to Feel It in Your Body](#)
- [California's Got One 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 dc Young, Alice Neel's Paintings Assert the Dignity of All People](#)
- [Tunisie, New Books Unveiled by Healdsburg Kids, Will Brighten Your Day](#)
- [Miss Olio's Choice: The End of an Era for Oakland's Black and Brown Communities](#)

[More Arts & Culture](#)

# Mobile:

KQED homepage

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



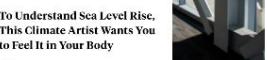
The KQED homepage is displayed in a mobile-friendly layout. At the top, there's a navigation bar with 'KQED' and a 'Sign In' button. Below it, a search bar and a menu icon are visible. A 'Live Radio' button and a 'Radiolab' dropdown are also present. The main content area features a 'TODAY'S TOP STORY' section with a video thumbnail showing three people on a school field. Below this, a large headline reads 'Mayor Breed Appoints 3 SFUSD Parents to Fill School Board Seats Vacated After Historic Recall'. A brief summary follows, mentioning Breed's swearing-in of new board members. Further down, a 'LATEST NEWS' section lists two articles: 'Here's How State lawmakers Want to Help Californians Deal With High Gas Prices' and 'Phuong Tam, Sixties Star of Vietnam Surf Rock, Reclaims Her Legacy at 77'. Each news item includes a thumbnail image and a timestamp.

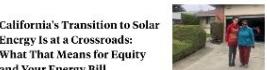
- 3** Asm. James Gallagher | "Sold Out" | This Week in California News  
21h ago 
- 4** They Were Under the Radar, But Two CA Singers Leave Lasting Musical Legacies  
Mar 11 
- 5** Sing a Song for Emilio Delgado  
Mar 11 



A promotional banner for the documentary 'SOLD OUT: Rethinking Housing in America'. It features a large 'SOLD OUT' title, a subtitle 'Rethinking Housing in America', and a 'NEW SEASON' tag. Below the title is a thumbnail image of a colorful, modern house. At the bottom, there are 'LISTEN NOW' and 'KQED' buttons.

## Science

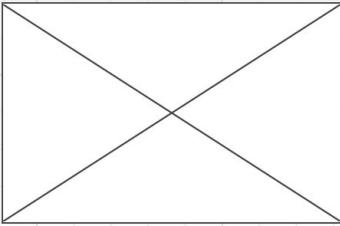
- To Understand Sea Level Rise, This Climate Artist Wants You to Feel It in Your Body  

- 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  


# Lore ipsum



## TODAY'S TOP STORY

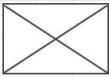


**Lore ipsum dolor sit**

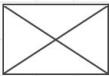


## LATEST NEWS

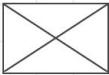
1. Lorem ipsum  
dolor sit amet et  
delectus



1. Accommodare  
his consul  
copiosae

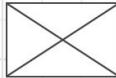


1. Legendos at vix  
ad putent



2 | Y

1. Delectus  
delicata usu.  
Vidit dissentiet  
eos cu eum



1. An brute  
copiosae  
hendrerit. Eos



ADD SPACE

SECTION

Lore ipsum dolor

Sit amet et  
delectus

Accommodare his  
consul copiosae

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 Motamed 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

1. Here's How State lawmakers  
Want to Help Californians  
Deal With High Gas Prices



2. Phương Tâm, Sixties Star of  
Vietnam Surf Rock, Reclaims  
Her Legacy at 77



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



# Desktop:

KQED homepage

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

KQED Inform. Inspire. Involve.

Live Radio Snap Judgment ▾ Sign In

News ▾ Arts & Culture ▾ Podcasts ▾ Events ▾ TV ▾ Support KQED ▾

☰ TODAY'S TOP STORY

1 **How State Lawmakers Want to Help Californians Deal With High Gas Prices**  
6h ago

2 **Phuong Tran, Sixties Star of Vietnam Surf Rock, Reclaims Her Legacy at 77**  
20h ago

3 **Asm. James Gallagher: "Sold Out" This Week in California News**  
20h ago

4 **They Were Under the Radar, But Two CA Singers Leave Lasting Musical Legacies**  
May 11

5 **Sing a Song for Emilio Delgado**  
May 11

  
**Mayor Breed Appoints 3 SFUSD Parents to Fill School Board Seats Vacated After Historic Recall**  
Read more in Ann Hsu, Tatine Metamell and Lisa Weissman-Ward, who will join the seven-member board. They replace Alison Collins, Gabriela López and Francisca Moliga, who were ousted in a citywide recall vote on Feb. 15.  
Mar 11

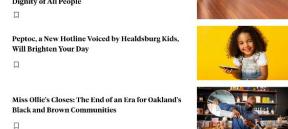


Science Arts & Culture

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

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

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

  
**Peptoc, a New Hotline Voiced by Healdsburg Kids, Will Brighten Your Day**  
□

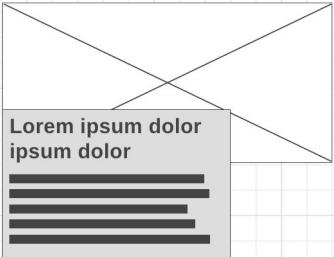
  
**Miss Ollie's Closes: The End of an Era for Oakland's Black and Brown Communities**  
□

More Science More Arts & Culture

# Lorum ipsum



## TODAY'S TOP STORY



Lorum ipsum dolor  
ipsum dolor

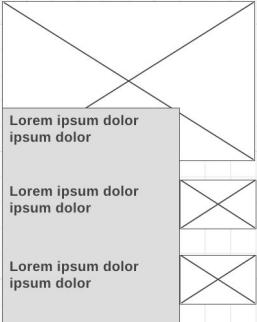
## LATEST NEWS

1. Lorum ipsum dolor sit amet et
1. Lorum ipsum dolor sit amet et
1. Lorum ipsum dolor sit amet et

THIS IS ADD SPACE

## HEADING

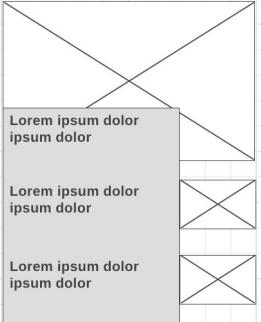
## HEADING



Lorum ipsum dolor  
ipsum dolor

Lorum ipsum dolor  
ipsum dolor

Lorum ipsum dolor  
ipsum dolor



Lorum ipsum dolor  
ipsum dolor

Lorum ipsum dolor  
ipsum dolor

Lorum ipsum dolor  
ipsum dolor

[Read More](#)

[Read More](#)

2024-03-11



## TODAY'S TOP STORY



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

Read more in Ann Hsu, Tatiane Metamelli and Lisa Weissman-Ward, who will join the seven-member board. They replace Alison Collins, Gabriela López and Francisca Moliga, who were ousted in a citywide recall vote on Feb. 15.

Mar 11

## LATEST NEWS

- 1 How State Lawmakers Want to Help Californians Deal With High Gas Prices 
- 2 Phuong Tran, Sixties Star of Vietnam Surf Rock, Reclaims Her Legacy at 77 
- 3 Asm. James Gallagher 'Sold Out' This Week in California News 
- 4 They Were Under the Radar, But Two CA Singers Leave Lasting Musical Legacies 
- 5 Sing a Song for Emilio Delgado 



## 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](#)



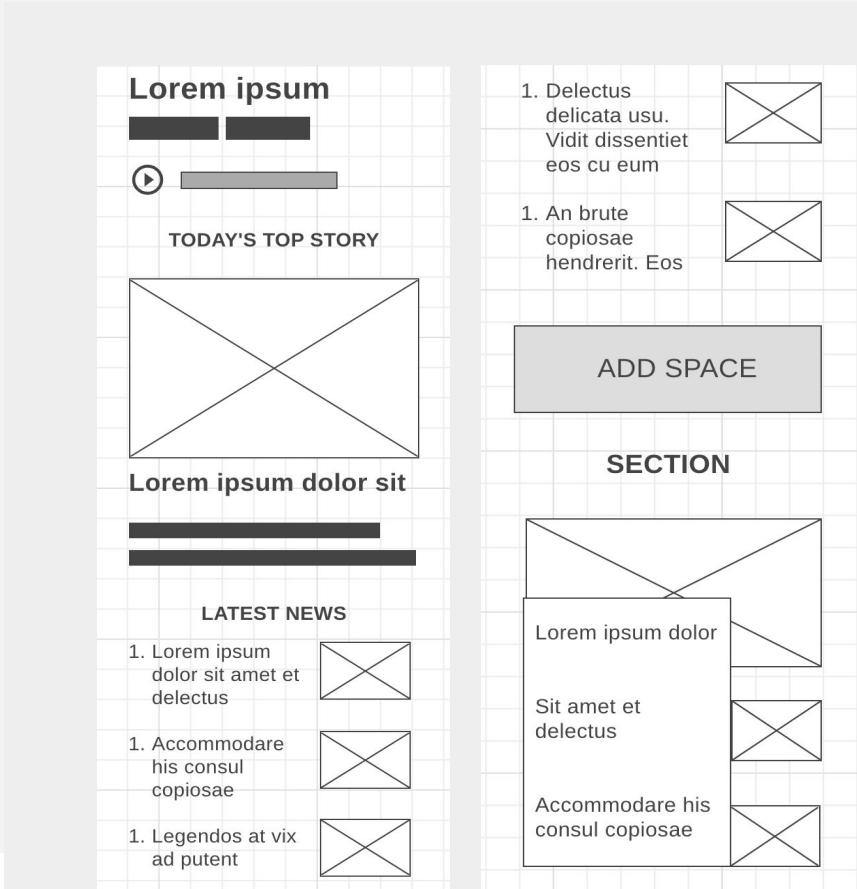
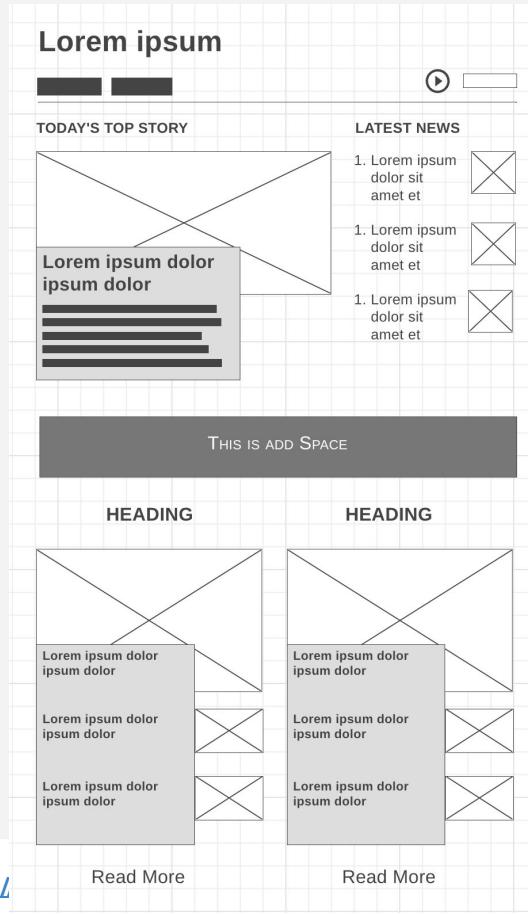
At the de Young, Alice Neel's Paintings Assert the Dignity of All People

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

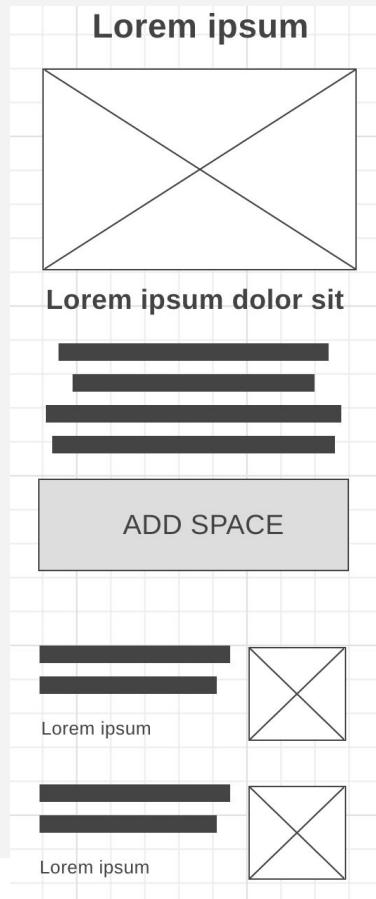
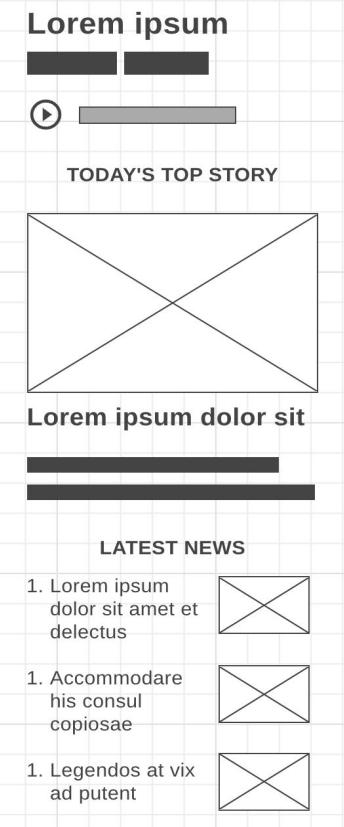
Miss Ollie's Closes: The End of an Era for Oakland's Black and Brown Communities

[More Arts & Culture](#)

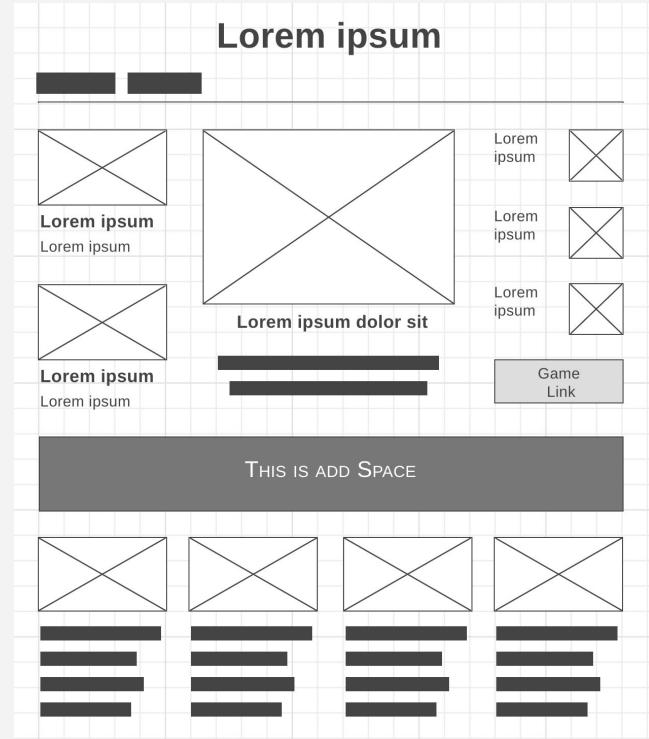
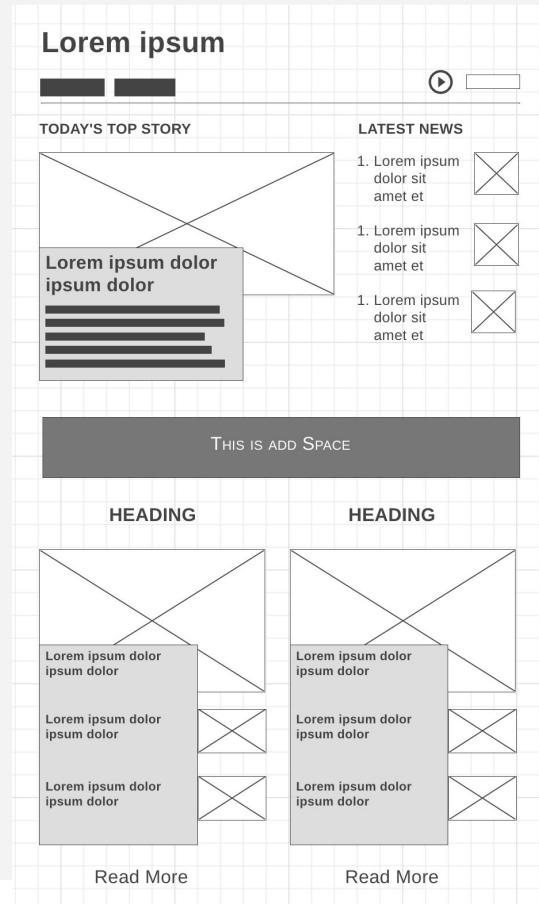
# Wireframing: KQED Homepage



# 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)