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# Screen to Semantic to Screen

Excercise Three

DOCUMENTED BY:

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# Goal & Purpose

Screen to Semantic to Screen



## GOAL

Our goal for exercise three is to replicate an existing online website that's publicly accessible today. To do so, the project begins by sketching the layout of the website into HTML and CSS semantic markup. Our ending product must be a full one-page recreation of the website of our choice. Our version must be responsive for 2 displays, preferably desktop and mobile.



## DELIVERABLES

The website chosen for exercise three is Pinterest. The home page has a fixed navigation bar, 5 main sections, and a footer. Each section is a different color. The 3 body sections are similar with opposite content structure, while the first and last sections are radically different. The development of the website used Bootstrap for responsiveness.

# Semantic Markup

The diagram shows a wireframe of a website layout with four main sections. The top section contains a logo, a navigation bar, and several text and image boxes. The second section contains two text boxes and a button. The third section contains a large image and several smaller text and image boxes. The bottom section contains a text box, a form box, and a footer area.

**Top Section:**

- HTML:**
  - Logo <img>
  - Navigation Bar <nav>
  - 7 Images <img>
  - Header <h1>
  - Button <button>
- CSS:**
  - .containerfluid
    - row
    - col-md-12

**Second Section:**

- HTML:**
  - Image <img>
  - Heading text <h2>
  - Paragraph text <p>
- CSS:**
  - .containerfluid
    - row
    - col-6
    - col-6

**Third Section:**

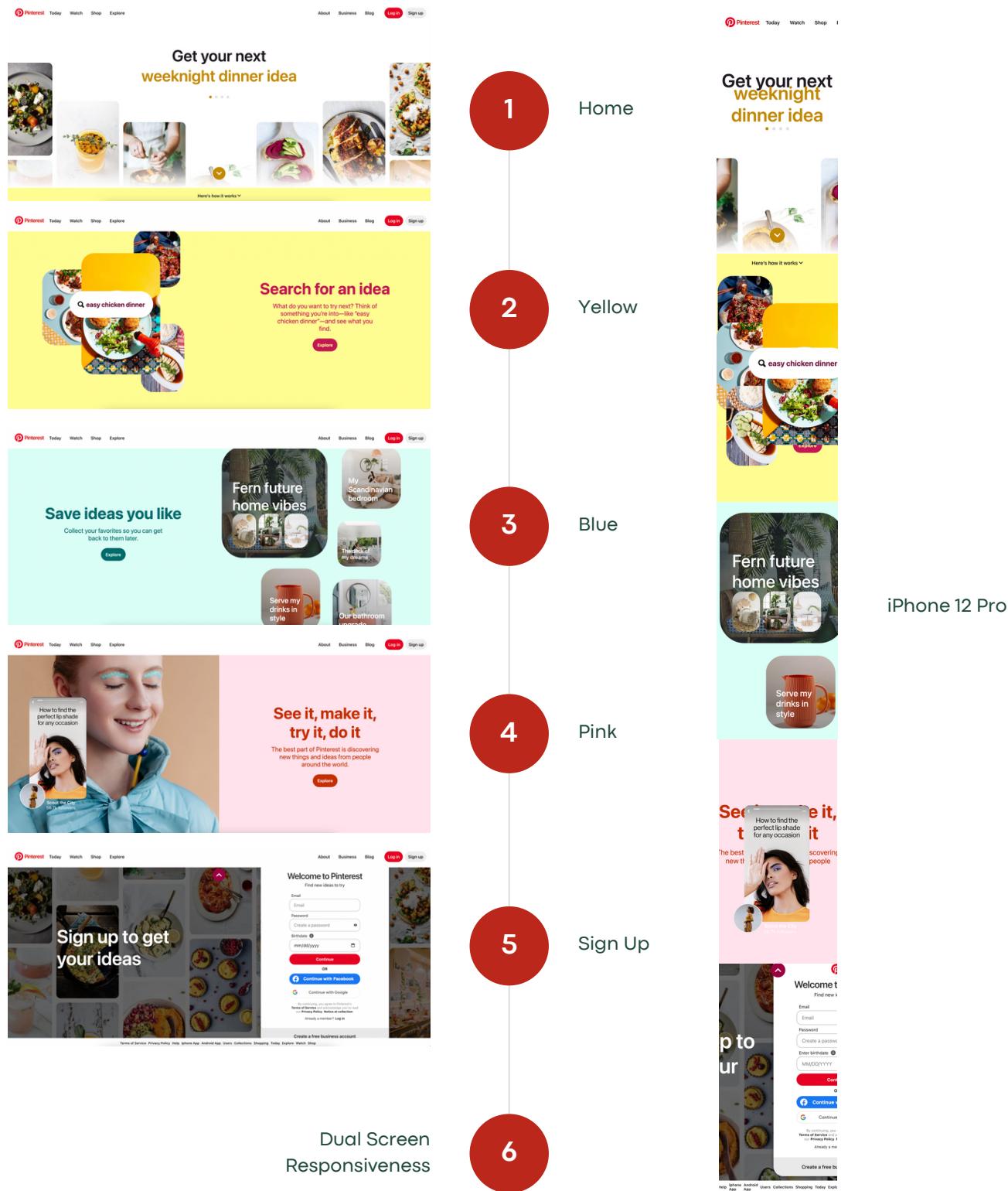
- HTML:**
  - Heading text <h2>
  - Paragraph text <p>
  - Button <button>
  - Image <img>
- CSS:**
  - .containerfluid
    - row
    - col-6
    - col-6

**Bottom Section:**

- HTML:**
  - Heading text <h3>
  - Text <text>
  - Form <form>
- CSS:**
  - .containerfluid
    - row
    - card
    - form
    - footer

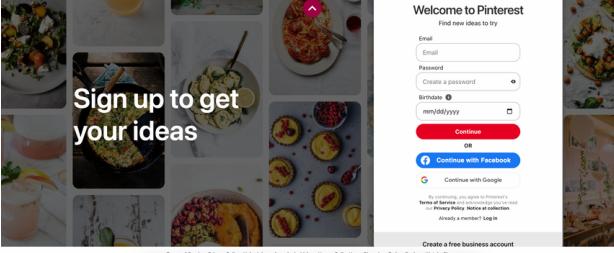
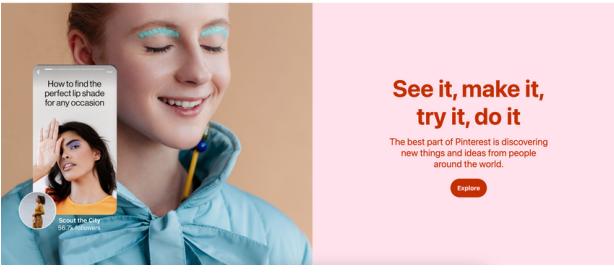
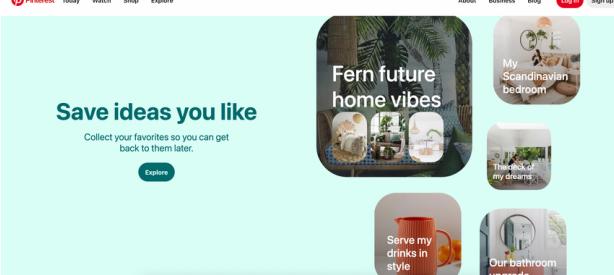
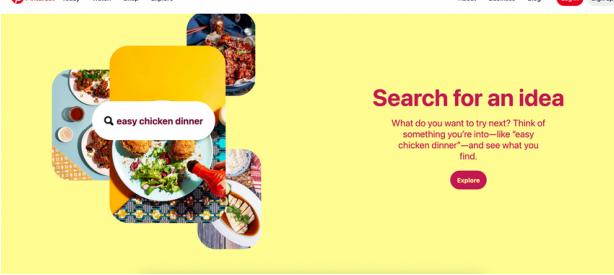
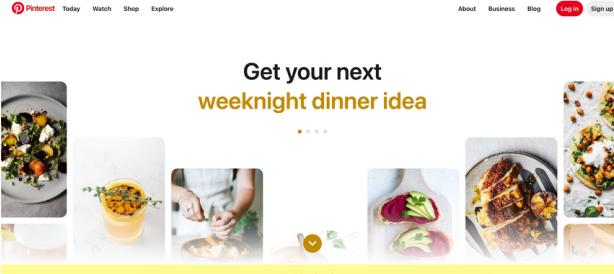
# DEVELOPMENT JOURNEY

This project was completed over 6 main steps. I started by completing the HTML and CSS of each section first, to make it organized and responsive in the desktop version first. The original website design is not responsive when minimizing and maximizing the screen size from desktop to mobile. Therefore, it took extra time to edit the mobile version and make design changes that would best suit the screen size. The images down below is the desktop and mobile version of the actual website.

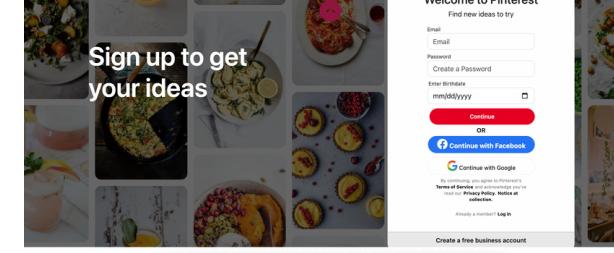
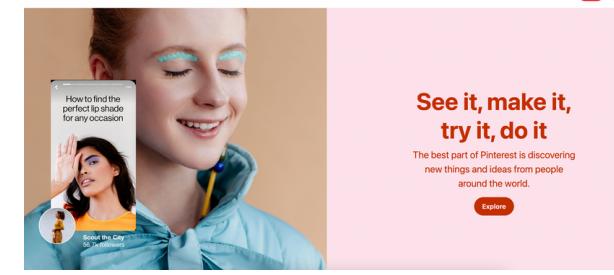
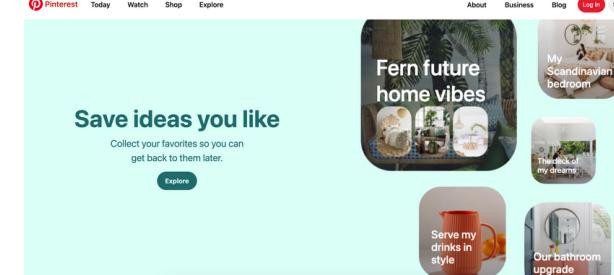
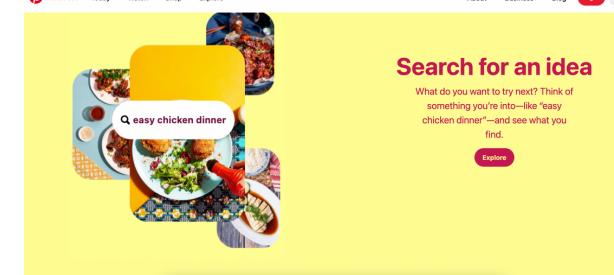


# Desktop Side By Side Comparison

### Pinterest



### Aashika



# Home Section Breakdown

## SEMANTIC

NAVIGATION BAR

The screenshot shows the Pinterest homepage. A red dashed grid is overlaid on the page to illustrate semantic HTML structure. The top navigation bar is labeled "NAVIGATION BAR". A large central call-to-action box is labeled "DIV TAG". To its left, a vertical column of images is labeled "CONTAINER & ROW". Below the main content area, a yellow footer bar contains the text "Here's how it works ▾".

## HTML

NAVIGATION BAR

The screenshot shows the same Pinterest homepage as above, but with blue highlights and labels to demonstrate a different semantic structure. The top navigation bar is labeled "NAVIGATION BAR". A large central call-to-action box is labeled "HEADING TAG". Below the main content area, a yellow footer bar contains the text "Here's how it works ▾". Specific elements are highlighted: "IMAGE 1" points to the first image in the vertical column; "IMAGE 2" points to a small circular icon with a downward arrow; and "IMAGE 3" points to the "Here's how it works" button.

# Home Section Breakdown

## CSS

```
<nav class="navbar navbar-expand fixed-top bg-white">
```



Today

Watch

Shop

Explore

About

Business

Blog

Log In

Sign up

```
<li class="nav-item">
```

```
<div class="collapse navbar-collapse justify-content-end">
```

Navigation Bar:

Goal: White navigation bar that stays on top of the page when scrolling and separates 2 lists, one to the right and one to the left next to the logo

- <nav class="navbar navbar-expand fixed-top bg-white">
  - **navbar**: keeps all
  - **navbar-expand**: displays along the full length of the screen
  - **fixed-top**: stays fixed on the top
  - **bg-white**: make the background white
- <li class="nav-item">: position each element on the nav bar appropriately
- <div class="collapse navbar-collapse justify-content-end">: pushes the 3 nav-items and 2 buttons from the list to the right side

```
<div class=".container-fluid" id=sec1>
```

```
<h2><span class="hr3">Get your next</span><br><span class="hr4">weeknight dinner idea</span></h2>
```

Get your next  
weeknight dinner idea

```
<div class="col-md-12">
```



```
<a href="#sec2"></a>
```



Home Section

Goal: Display the heading of the section, add an image underneath, and a button to take the user to the next section

- <div class=".container-fluid" id=sec1>: FOR RESPONSIVENESS
- <h2><span class="hr3">Get your next</span><br><span class="hr4">weeknight dinner idea</span></h2>
  - **class="hr3" & class="hr4"**: for change in color and padding
- <a href="#sec2"></a>:
  - **href="#sec2"**: takes the user to section 2 when clicked
  - **class="scrollID"**: sizing the button on the screen

# Yellow Section Breakdown

## SEMANTIC

The screenshot shows the Pinterest homepage. A red dashed border highlights the main content area. Inside, a yellow box labeled "CONTAINER & ROW" covers the top section. Below it, two columns, each labeled "COL-6", contain images of various dishes. A yellow callout bubble with a search icon and the text "easy chicken dinner" is overlaid on one of the images. To the right, a large yellow box contains the heading "Search for an idea" and a paragraph of text. A red button labeled "Explore" is at the bottom right of this box.

## HTML

The screenshot shows the same Pinterest homepage as above, but with semantic tags labeled. A blue dashed border highlights the main content area. Inside, a blue box labeled "IMAGE" covers the top section. Below it, two columns, each labeled "PARAGRAPH TAG", contain images of various dishes. A blue callout bubble with a search icon and the text "easy chicken dinner" is overlaid on one of the images. To the right, a blue box labeled "HEADING TAG" contains the heading "Search for an idea" and a paragraph of text. A blue button labeled "BUTTON" is at the bottom right of this box.

# Yellow Section Breakdown

CSS

<div class="col-6">

<h1 class="hr5">

**Search for an idea**

What do you want to try next? Think of something you're into—like "easy chicken dinner"—and see what you find.

<p class="sub1">

<button class="block3">

<div class="col-6">

```
<div style="overflow: hidden;" class=".container-fluid" id=sec2><div class="row">
```

## Yellow Section

**Goal:** Display an image in the same row as a header for the section, a subtitle, and a button

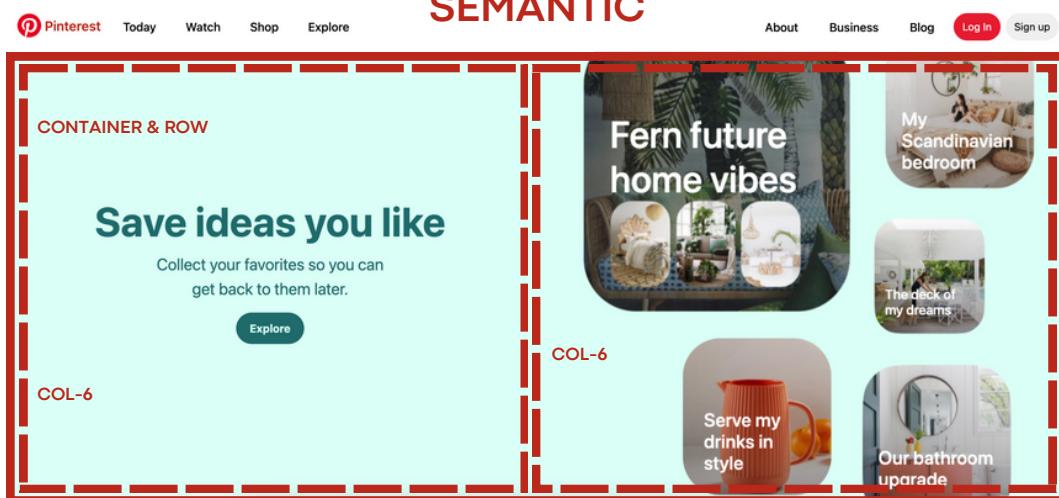
- <div class=".container-fluid" id=sec2>: FOR RESPONSIVENESS
  - style="overflow: hidden;": making sure the section doesn't continue on in case the screen size changes
- <div class="row">: keeping the HTML elements together in the same line
- <div class="col-6">: dividing the row into 2 equal parts for the image and other elements
- <h1 class="hr5">: edited heading tag to match the original
  - float: center;
  - color: #C41952;
  - text-align: center;
  - text-decoration: none;
  - font-size: 55px;
  - font-weight: bold;
  - margin-top: 45px;
  - display: flex;
- <p class="sub1">: edited paragraph tag to match the original
  - float: center;
  - color: #C41952;
  - text-align: center;
  - text-decoration: none;
  - font-size: 22px;
  - font-weight: 425;
- <button class="block3">: edited button tag to match the original
  - float: center;
  - width: 50%;
  - border: none;
  - background-color: #C41952;
  - padding: 10px 10px;
  - font-size: 15px;
  - text-align: center;
  - border-radius: 25px;
  - color: #FFFD93;
  - font-weight: bold;
  - text-decoration: none;

## CSS properties

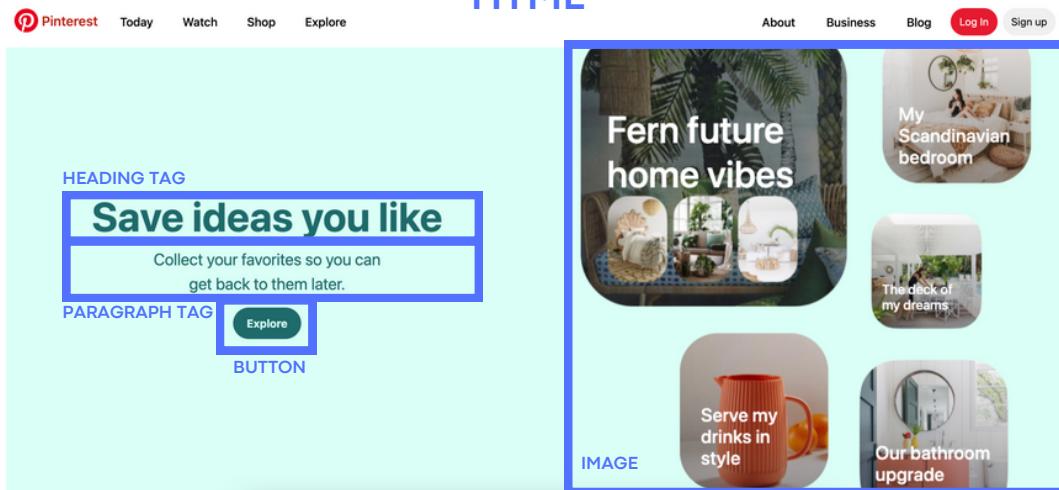
- float: specifies element position
- color: changes hex value of the text
- background-color: changes the hex value of the space behind the text
- margin: creates space around the text
- font-weight: changes the thickness of the text
- border-radius: sets how circular the border is around the text

# Blue Section Breakdown

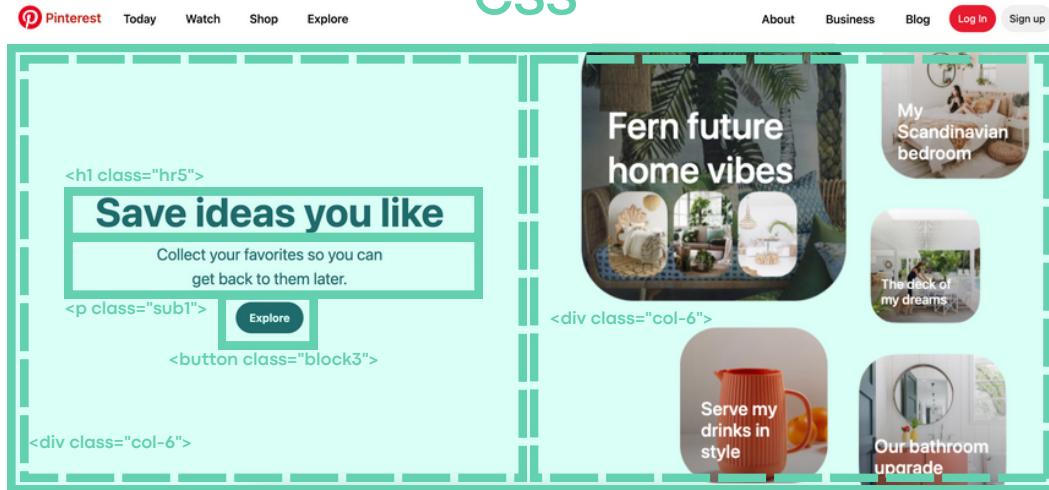
## SEMANTIC



## HTML



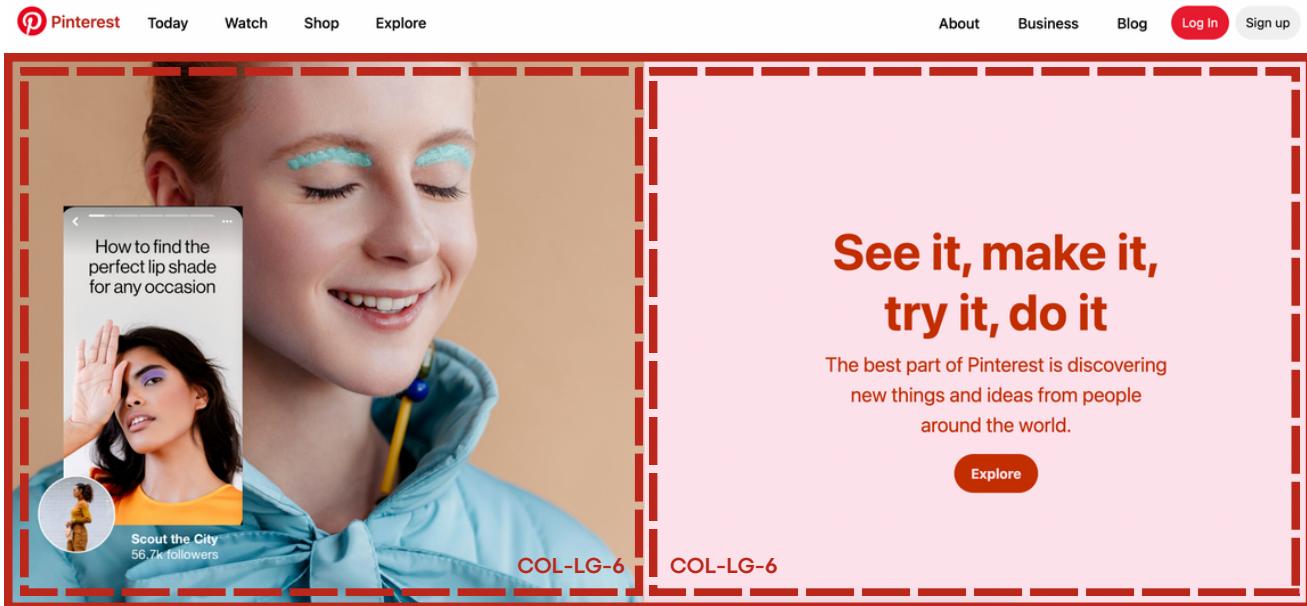
## CSS



All CSS selectors are the same as the yellow section. The only changes between the code is that the first column holds the heading tag, paragraph tag, and button, while the second column holds the image. The yellow section uses the same classes, however the structure is flipped.

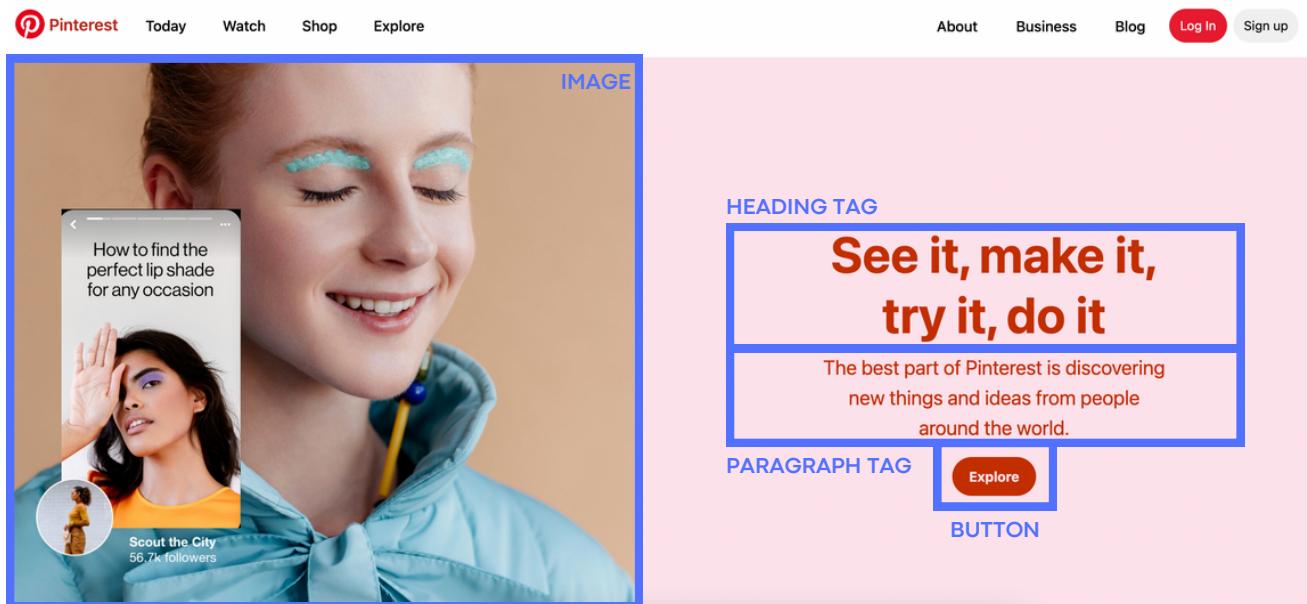
# Pink Section Breakdown

## SEMANTIC



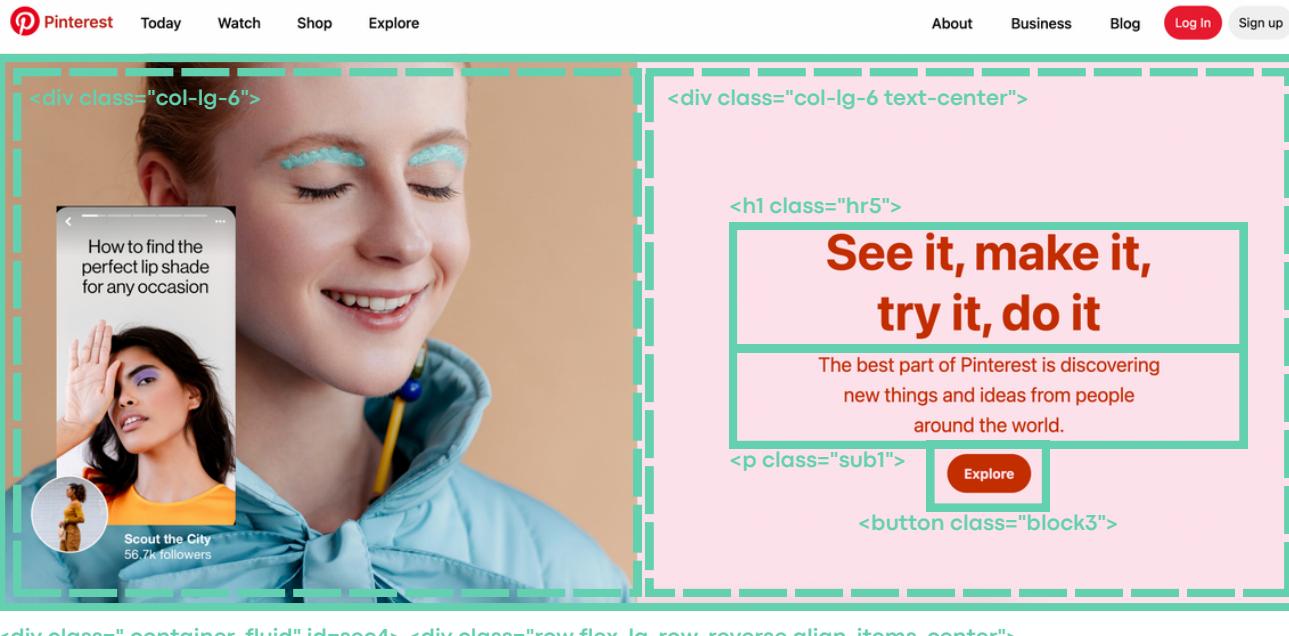
.CONTAINER-FLUID & ROW FLEX-LG-ROW-REVERSE ALIGN-ITEMS-CENTER

## HTML



# Pink Section Breakdown

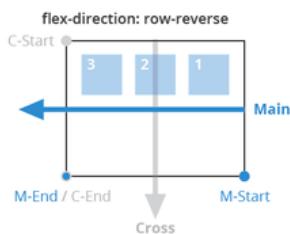
CSS



## Pink Section

**Goal:** Display an image that will take up the full height of the section and half the width. The right side will show a title, subtitle, and button related to the section.

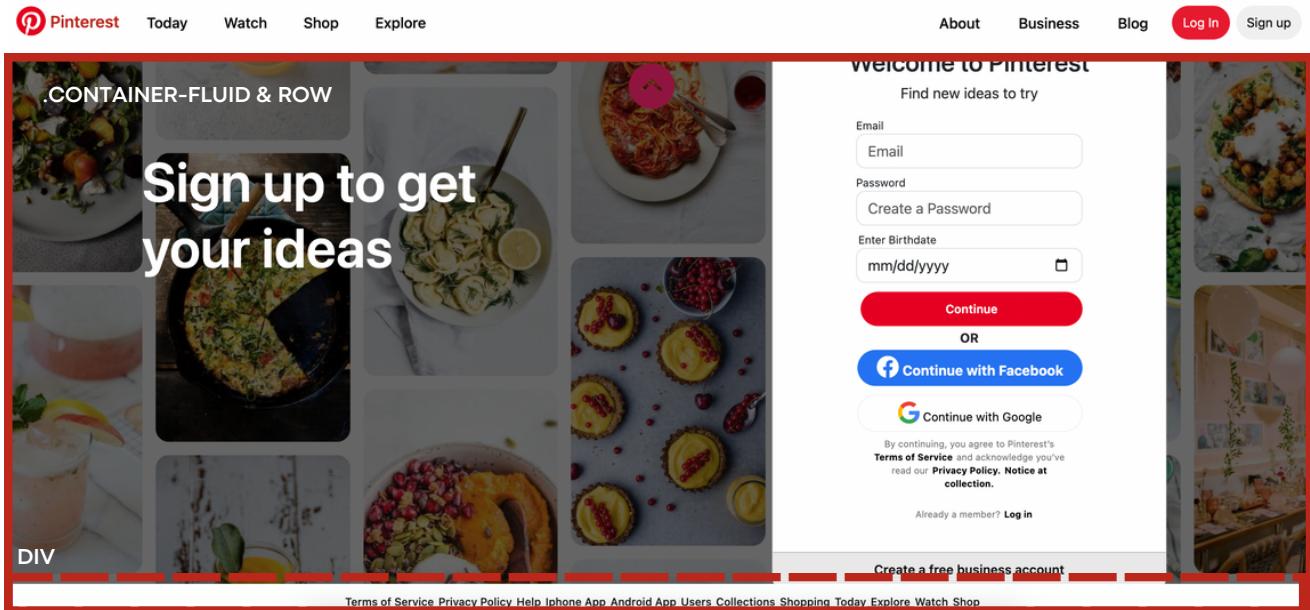
- <div class=".container-fluid" id=sec4>: FOR RESPONSIVENESS
- <div class="row flex-lg-row-reverse align-items-center">
  - **row:** keeping the HTML elements together in the same line
  - **flex-lg-row-reverse:** orders the information from the opposite side in a horizontal fashion



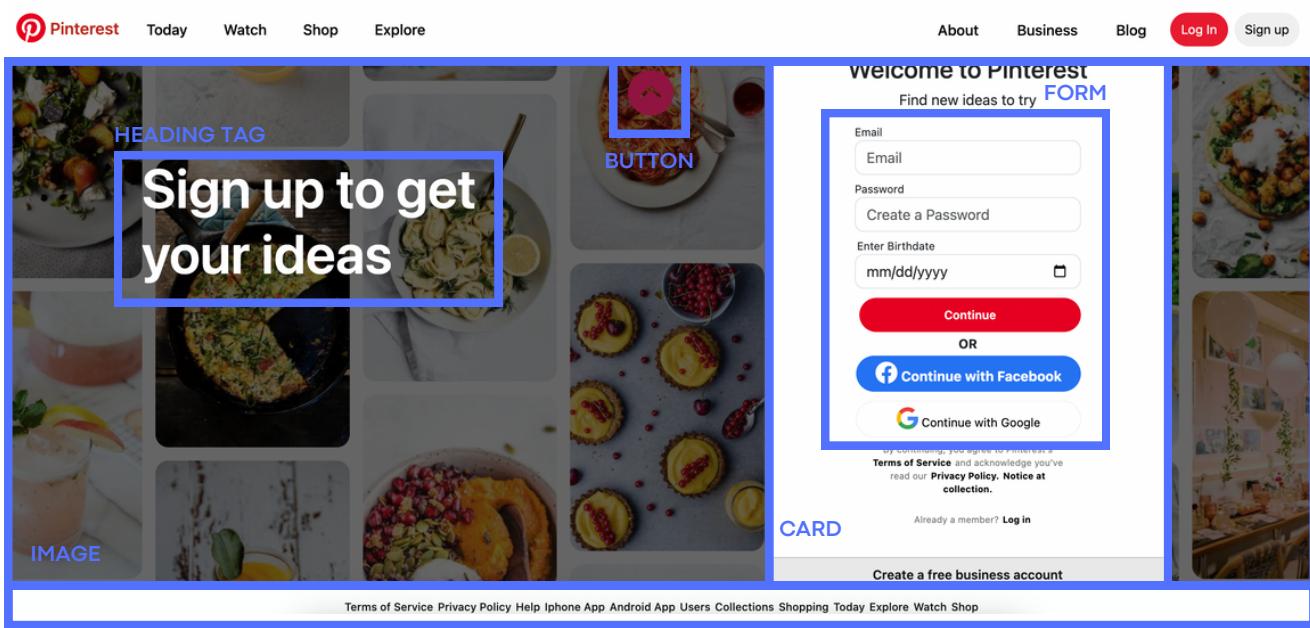
- **align-items-center:** specifies to center the default alignment for items inside the row
- <div class="col-lg-6 text-center">
  - **col-lg-6:** dividing the row into 2 equal parts for the image and other elements
  - **text-center:** Center aligns text on all viewport sizes. (bootstrap class)
- The same CSS classes were used for the Yellow and Blue Sections
  - <h1 class="hr5">: edited heading tag to match the original
  - <p class="sub1">: edited paragraph tag to match the original
  - <button class="block3">: edited button tag to match the original

# Sign Up Section Breakdown

## SEMANTIC



## HTML



# Sign Up Section Breakdown

P Pinterest Today Watch Shop Explore

## CSS

The screenshot shows the Pinterest sign-up section. It features a background image of various food items like salads, pastries, and cocktails. Overlaid on this is a sign-up form with a teal border. The form includes fields for Email and Password, a birthdate selector, and three sign-in options: Continue (red button), Continue with Facebook, and Continue with Google. Below the form is a link to Terms of Service and Privacy Policy. To the right is a sidebar with a "Welcome to Pinterest" message and a "Find new ideas to try" search bar. At the bottom, there's a "Create a free business account" button.

```
<img class="scrollIU">
<h1 class="hr6">
<div class="centered">
<div class="card">
<footer><span class="foota">
```

Terms of Service Privacy Policy Help iPhone App Android App Users Collections Shopping Today Explore Watch Shop

<div class=".container-fluid signin" id=sec5>

## Sign Up Section

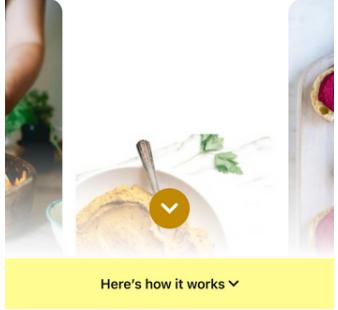
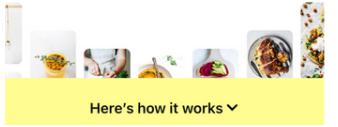
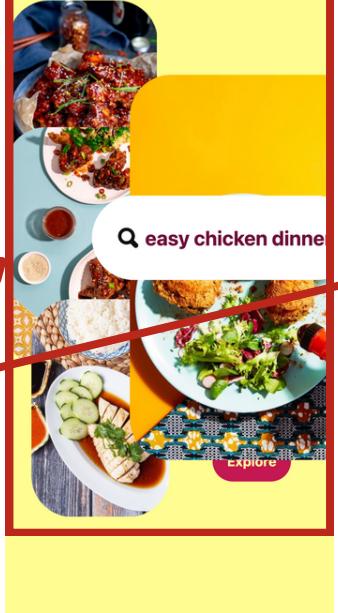
**Goal:** Display a background image, with a section title and a sign up form

- <div class=".container-fluid" id=sec4>: FOR RESPONSIVENESS
- <div class="centered">: fixes the positions of the elements
- <img class="scrollIU">: positioning the button to fit right under the navigation bar
  - width: 3.5%;
  - margin-top: 100px;
  - margin-left: auto;
  - margin-right: auto;
  - display: block;
- <h1 class="hr6">: edited heading tag to match the original
  - float: center;
  - color: #FFF;
  - text-align: left;
  - text-decoration: none;
  - font-size: 60px;
  - font-weight: 600;
  - margin-top: 45px;
  - display: fixed;
  - padding-top: 100px;
  - padding-left: 150px;
- <div class="card">: edited the card to match the original
  - overflow: hidden;
  - width: 27rem;
  - margin-top: 10px;
  - margin-left: 840px;
  - border-radius: 30px;
- <footer><span class="foota">
  - <footer>
  - background: #e0f2f7;
  - position: absolute;
  - bottom: 0;
  - width: 100%;
  - height: 20px;
- class="foota"
- font-size: 12px;
- color: #111111;
- text-align: center;
- font-weight: 500;

## CSS properties

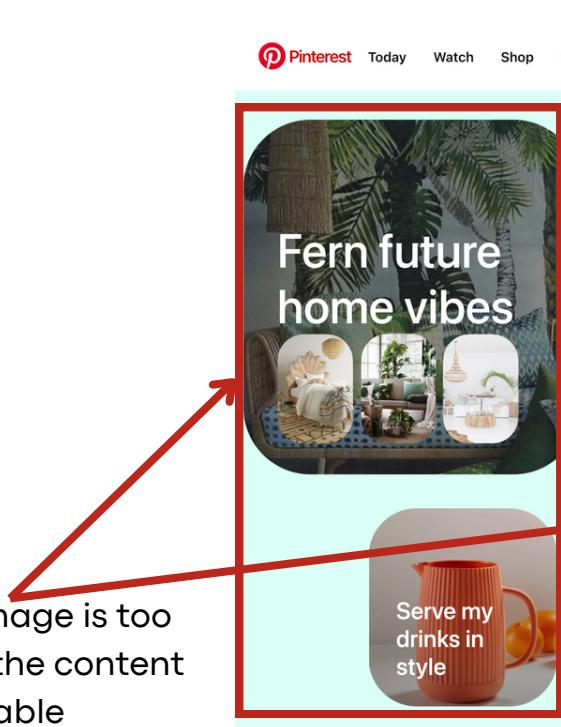
- display: specifies how the element is displayed
- padding: generate space inside defined borders around an element
- overflow: used to clip content or add a scrollbar
- margin: creates space around the text
- font-size: specifies text height

# Mobile Side By Side Comparison

Pinterest	Aashika
	
<p>Get your next <b>weeknight</b> dinner idea</p> 	<p>Get your next <b>weeknight</b> dinner idea</p> 
	
<p><b>Current:</b> Non viewable content due to enlarged image</p> <p><b>New:</b> Separated all elements into 2 columns to make it legible</p>	<p><b>Current:</b> Non usable navigation bar</p> <p><b>New:</b> Hamburger icon holds all child pages</p>

# Mobile Side By Side Comparison

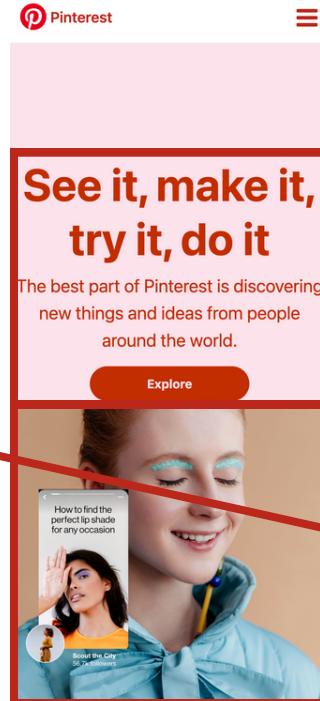
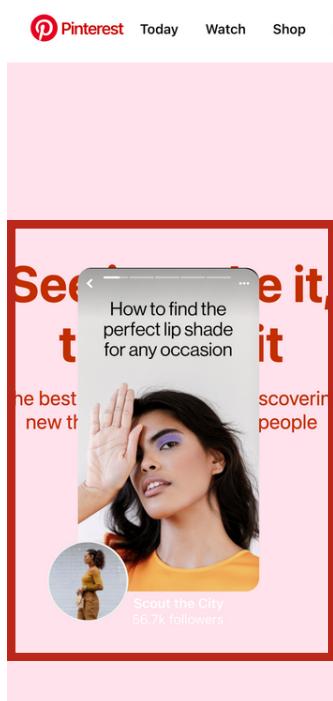
Pinterest



**Current:** Image is too large and the content is not viewable

**New:** Separated all elements into 2 columns to make it legible

Aashika

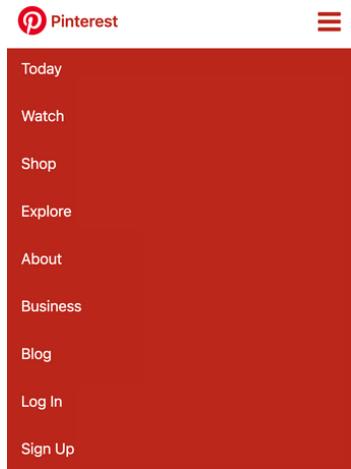


**Current:** Non viewable content due to enlarged image and one missing image

**New:** Separated all elements into 2 columns to make it legible

# Mobile Version Changes

## Navigation Bar (Mobile Design Change)



```
<div class="mobnav">
  <a href="#home" class="active">Logo</a>
  <div id="myLinks">
    <a href="https://www.pinterest.com/today/">Today</a>
    <a href="https://www.pinterest.com/videos/">Watch</a>
    <a href="https://www.pinterest.com/shopping/">Shop</a>
    <a href="https://www.pinterest.com/ideas/">Explore</a>
    <a href="https://help.pinterest.com/en/guide/all-about-pinterest">About</a>
    <a href="https://business.pinterest.com/">Business</a>
    <a href="https://newsroom.pinterest.com/en">Blog</a>
    <a href="https://google.com">Log In</a>
    <a href="https://google.com">Sign Up</a>
  </div>
</div>
```

Recoding the links to match the new menu and naming the child pages with "myLinks"

```
<script>
  function myFunction() {
    var x = document.getElementById("myLinks");
    if (x.style.display === "block") {
      x.style.display = "none";
    } else {
      x.style.display = "block";
    }
  };
</script>
```

Javascript function to show the menu when clicked and to take it away when clicked again.

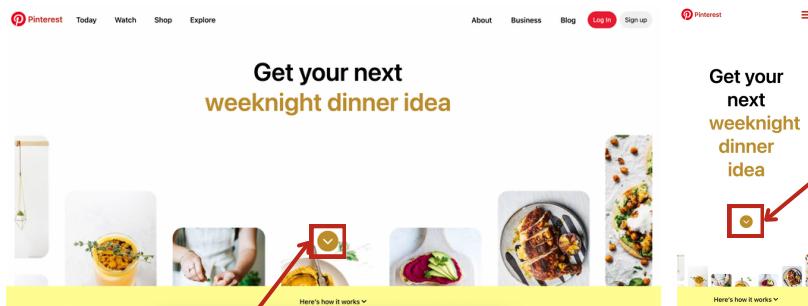
.style.display acts as a visibility toggle

```
<li>
  <a href="javascript:void(0);> class="icon" onclick="myFunction()">
    <i style="font-size: 30px; padding-left: 225px; padding-top: 5px; color: #BB271A" class="fa fa-bars"></i>
  </a>
</li>
```

Adding the hamburger icon to the desktop navigation list so the Pinterest logo and name can still be shown with the new version of the navigation bar

## Desktop to Mobile Responsiveness

To seamlessly switch layouts from desktop to mobile, accessing CSS media queries was essential. Any HTML element used differently between desktop and mobile was put into one of these groups. The example below explains the process by focusing on the scroll-down button.



```
@media only screen and (min-width: 1401px) {
  .scrollD{
    width: 3.5%;
    margin-top: 160px;
    margin-left: auto;
    margin-right: auto;
    display: block;
  }
}
```

Lets the computer know that any screen size width that hits above the pixel count of 1400 will show another set of specific CSS values for its corresponding HTML element attributes

```
@media only screen and (max-width: 1400px) {
  .scrollD {
    width: 10%;
    margin-left: auto;
    margin-right: auto;
    display: block;
  }
}
```

Lets the computer know that any screen size width below the pixel count of 1400 will show specific CSS values for its corresponding HTML element attributes

# Conclusion

Screen to Semantic to Screen

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## CONCLUSION

From starting with the information architecture to separating HTML elements and figuring out CSS specifications, this project took around 100-plus hours to produce. This was the first website that I coded from scratch, without the help of boilerplate code or responsive baseline code. I'm very happy with the amount of skills I was able to absorb from completing a full page of a publicly functioning website. The biggest hurdle that I needed to overcome was trying to label what I wanted to code. I had a lot of ideas on how to create something, for example, turning the desktop navigation bar into a mobile hamburger menu, however, I didn't know what to search to find steps to build this idea. Secondly, I didn't realize that responsiveness between screen size is separate to establishing a good desktop CSS structure using Bootstrap. It registered for me halfway through that the desktop version has a scrollbar on the bottom, so my container, row, col, and div tags were not functioning properly. Nevertheless, I had a great experience designing my documentation in a way that displays my understanding of the code written to produce the official home page of the Pinterest website.

---

## REFLECTION

If I were to complete this project again, I would change the way I would attack the code development. My current method was very redundant and wasted a lot of time recoding sections that visually seemed accurate, however, was very messy and nonfunctional in the backend. My new approach would begin with information architecture, and then begin by completing the HTML and CSS for each section. Instead of waiting to make the dual-screen responsiveness towards the end, I would make sure each section is well-designed simultaneously. This way the process would only take 5 steps and no recoding would need to be done. I'd also plan out my development time so I wasn't rushing my documentation towards the end. Overall, I feel I made substantial progress in my web development knowledge and I'm ready to build my next site!

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PINTEREST

# Screen to Semantic to Screen

## Excercise Three

Portfolio

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Aashika Parekh