Build the Header and Footer



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Agenda



Row and column approach

Limiting the screen width

Scalable vector graphic

Grid system

Build the example

Rows and Columns



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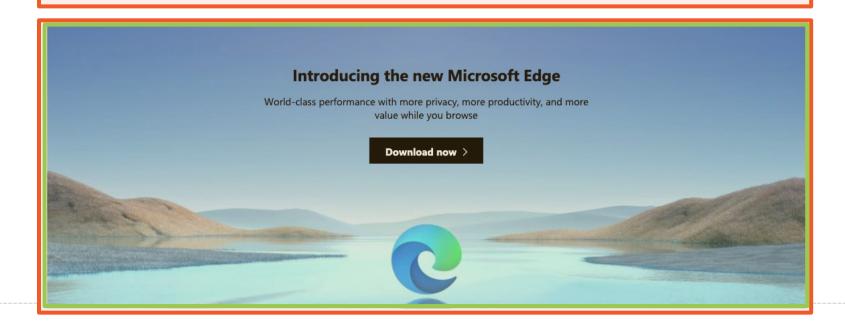
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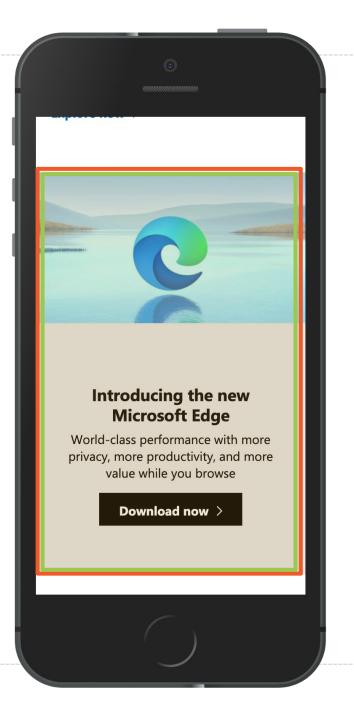
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Bethany's Pie Shop Layout



LOCATION

Bethany's Pie Shop 123 Bakery Street Brussels, Belgium

COMPANY

Catering Delivery Swag Shop Support

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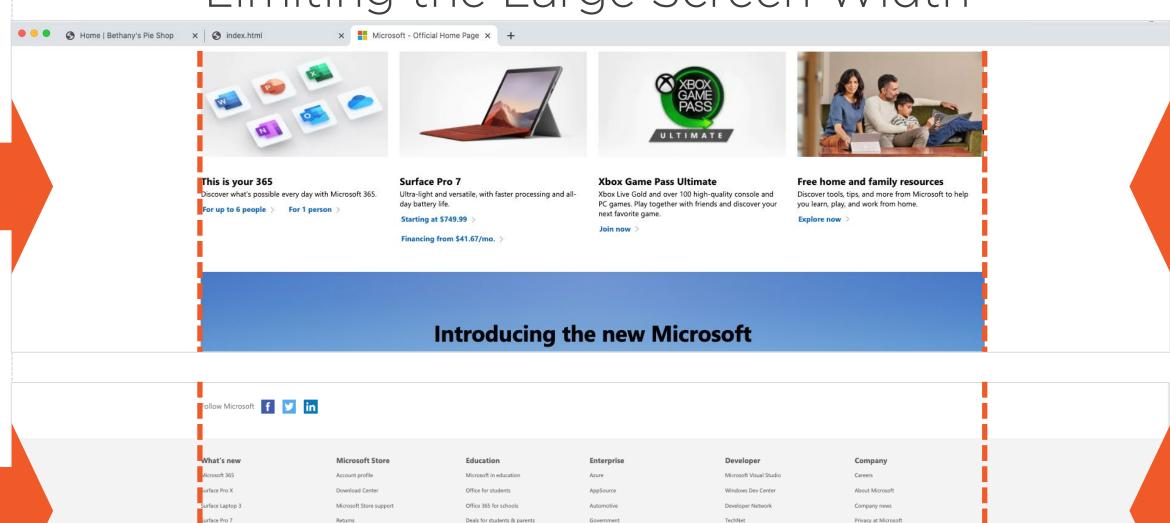








Limiting the Large Screen Width



Healthcare

Manufacturing

Financial services

Microsoft developer program

Office Dev Center

Diversity and inclusion

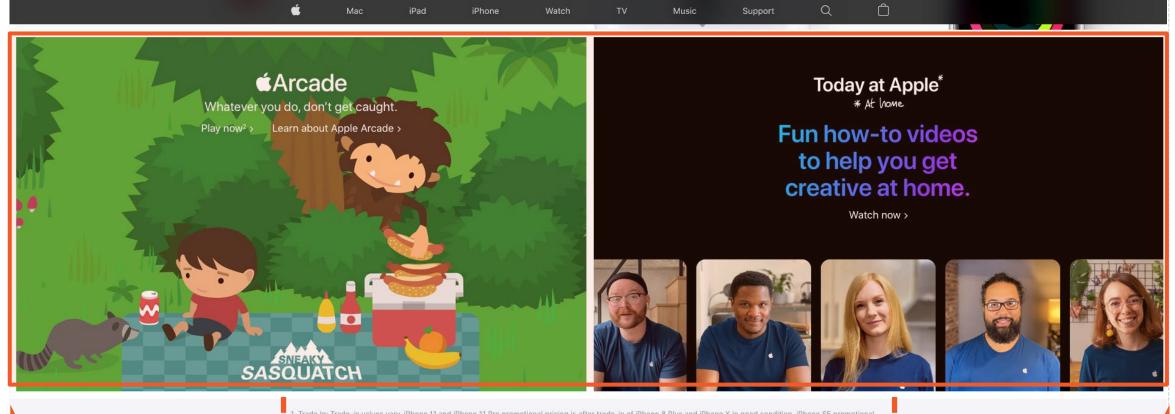
Accessibility

Microsoft Azure in education

Order tracking

Buy online, pick up in store

Limiting the Large Screen Width



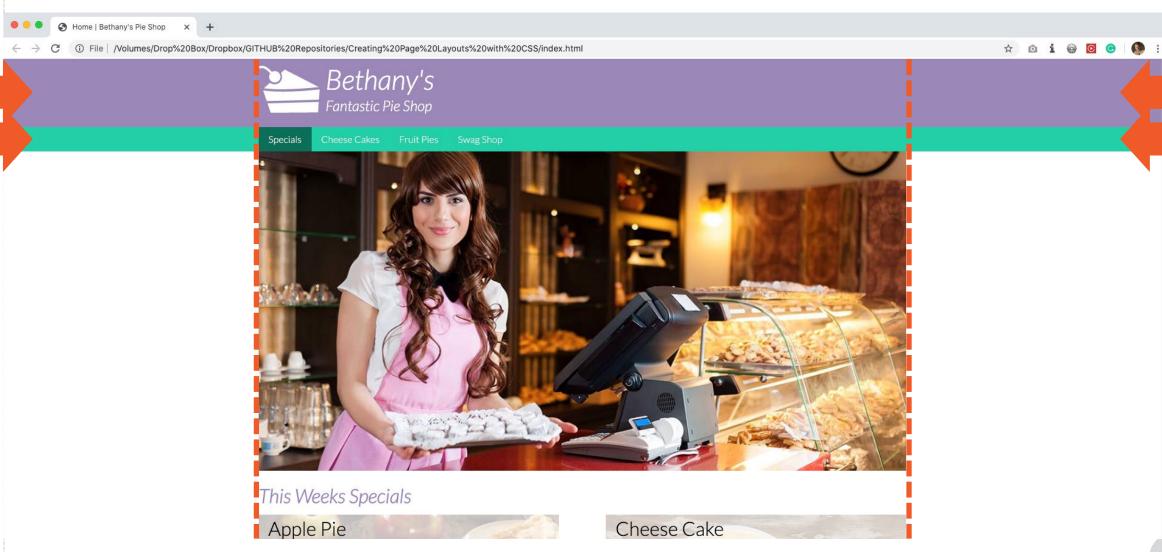
1. Trade In: Trade-in values vary. iPhone 11 and iPhone 11 Pro promotional pricing is after trade-in of iPhone 8 Plus and iPhone X in good condition. iPhone SE promotional pricing is after trade-in of iPhone 8 in good condition. Additional trade-in values require purchase of a new iPhone, subject to availability and limits. Must be at least 18. Apple or its trade-in partners reserve the right to refuse or limit any Trade in transaction for any reason. In-store trade-in requires presentation of a valid, government-issued photo ID (local law may require saving this information). Sales tax may be assessed on full value of new iPhone. Additional terms from Apple or Apple's trade-in partners may apply. Monthly pricing: Available to qualified customers and requires 0% APR, 24-month installment loan with Citizens One or Apple Card Monthly Installments and iPhone activation with AT&T, Sprint, T-Mobile, or Verizon. Taxes and shipping not included. Additional Apple Card Monthly Installments terms are here.

2. Subscription required.

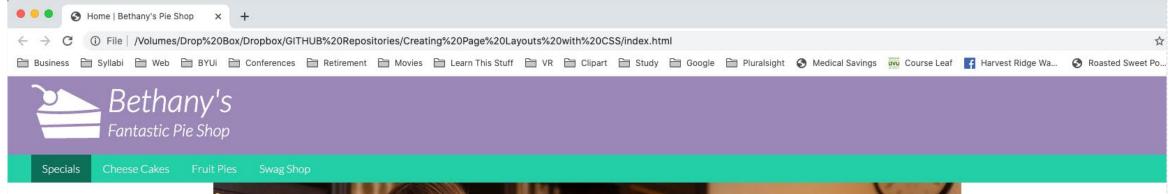
Apple TV+ is \$4.99/month after free trial. One subscription per Family Sharing group. Offer good for 3 months after eligible device activation. Plan automatically renews until cancelled. Restrictions and other terms apply.

The COVID-19 site and app were developed in partnership with CDC. They are not meant as an endorsement of any Apple products.

Limiting the Large Screen Width



Modifying the Large Screen Width





Grid System

Scalable Vector Graphic



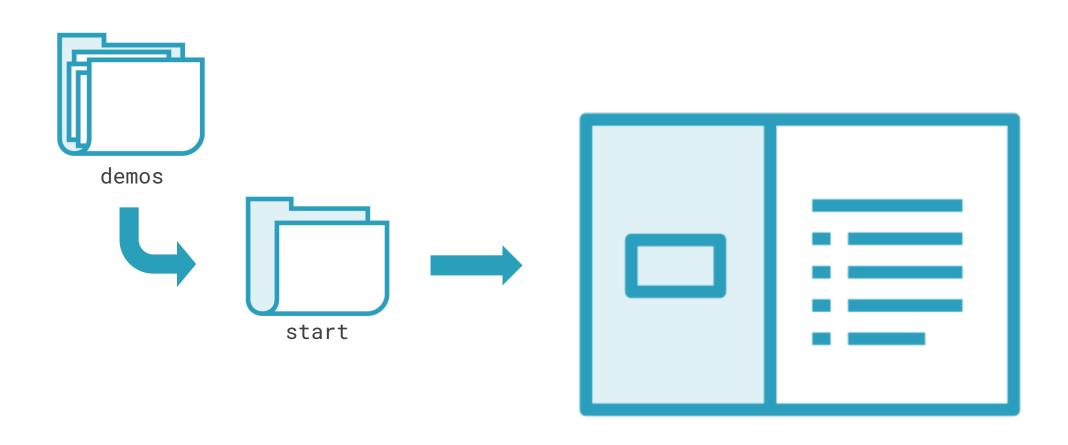




SVG File

```
<?xml version="1.0" encoding="utf-8"?>
<svg xmlns="http://www.w3.org/2000/svg" height="256" width="256" viewBox="0 0 256 256">
  <g>
    <path id="path1" transform="rotate(0,128,128) translate(0,29.1359710693359)</pre>
   scale(8,8) " fill="#4DCFA8" d="M31.575012,19.010061L31.219971,24.517019
    6.3109741,24.716007 4.6300049,19.75505z M32,12.412107L31.651001,17.812072
   4.2310181,18.56907
    2.3359985,12.982109C12.327026,14.407101,26.648987,13.024117,32,12.412107z
    M13.682007,2.0002048L31.580017,11.192131C25.572021,11.823122,11.765015,13.053108,2.7
    249756,11.825121L5.9719849,8.9141495C6.6389771,9.4481423 7.4829712,9.7701304
    8.4039917,9.7701304 10.549988,9.7701304 12.288025,8.0311463 12.288025,5.8851674
    12.288025,5.1161764 12.062012,4.4021781 11.676025,3.799186z
   M1.7849731,0.00022094523C3.9299927,0.026221808,6.0369873,2.1772053,6.934021,3.221187
    8L7.0599976,3.1441925C8.5239868,2.3781924 10.330017,2.9431901 11.096008,4.4061759
    11.862,5.8691614 11.296997,7.6731474 9.8339844,8.4401391 8.3709717,9.2061398
    6.565979,8.6421492 5.8010254,7.1791632 5.2540283,6.1341584 5.3880005,4.9171732
    6.039978,4.0261891 5.0789795,2.9181964 2.5009766,0.287206
    0.67498779,1.536204L0,0.54921264C0.58099365,0.1522126,1.184021,-0.006782684,1.784973
   1,0.00022094523z" />
  </g>
</svg>
```

Start File





Demo



Row-column design

Classes for 12 column grid

Prevent row collapse

Demo



CSS for 12 column grid
Why it works

Demo



Limited content width

Build the header

SVG color change



Hello World!

LOCATION

Bethany's Pie Shop 123 Bakery Street Brussels, Belgium COMPANY

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We will begin with a division tag which has no default padding or margin of any kind. We will give this a class of "row" to help us remember that is is a row.

I like to add a comment after the closing division tag to help me remember what this division is for.

This particular row in the footer will contains 4 columns.

We could us another division with a different class but for this tutorial, I am going to use a "section" tag to make the code easier to read. A section tag, like a division tag, has NO default styling.

This section tag is functioning as a column so lets give it a class with the name of "column".

Now this is where the design approach gets pretty cool. We will now make up class names that are related to how the design will be displayed on small, medium and large screens. Since we are doing mobile first design, we will begin with the small screens.

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- Now we will add and heading two with "location" as content in this first column.
- To be able to see the magic of what we are doing we will add the additional three sections by copying and pasting this first one.
- Lets change the title for each one to "Company" and "Social" and "About Us".
- This is what we have so far and as we change the screen width nothing happens because our css is missing.
- Please open the small.css file.
- Let's give the footer tag a background color of #9b87b8 and set the font size as 1.2 rem.
- Now lets style the heading two in the footer. We will write this as footer space h2 so it does not style an h2 anywhere else on the page, only in the footer.
- We can italicize the font, for all letters to be uppercase and add some margin at the top of 1rem and below at .3rem, notice that I am not adding left or right space.
- This is what we now have.



- Now it time for the grid implementation.
- Every row should stay below the content above it so we will add a row selector and declare clear: both.
- Now lets add a column selector and float the columns to the left so they become actual columns.
- If we look at the result, the footer color has disappeared.
- When we inspect the footer, we can see that the height is 0 because when fe floated the columns, they kind of lifted up and the footer collapsed.
- We will solve this problem by returning to the footer and adding a class of "clearfix" which is a word I made up.
- Then in the small css we can copy this code block from the snippets file and past it at the bottom of the small css file. This inserts content after the floated items and prevents the footer from collapsing.
- When we view the result the color is showing and the height of the footer is no longer O.
- Now lets add a selector for "small-12" and set the width to 100%.
- Open the medium css file and add a selector for medium-6 and set the width to 50%.
- Finally open the large.css file and add a selector for large-3 and set the width to 25%.
- Notice that the text is touching the screen edge which is a design problem. Lets add padding of 2 view width to both sides and margin at the bottom of .75rem to correct this problem.
- Now when we view the footer it looks better.

To complete the footer, we need to type a lot of html and since this in NOT a typing class, I have proved the full footer code for you in the snippets file.

Please open the snippets and copy the footer code.

Delete the existing code inside the footer and paste the completed text. Save and view your file. You should have a logo in the last column.



Why it Works

class="column small-12 medium-6 large-3"

width: 100%

width: 50%

width: 25%

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- Brussels, Belgium

COMPANY

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- Delivery
- Swag Shop
- Support

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Why it Works

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width: 25%



Now lets look at another great feature of this approach to page design. Notice on a wide screen, the footer extend the full page width.

If we wanted to limit the width to match other design elements on the page we could.

In the index page, add a class of "limited" to the row in the footer.

Now in the grid section of the small.css file add a declaration of "limited" with a maximum-width, (you choose) and a margin of auto. This will center the content of the row in the page.

So starting with small, we see a single column, then as we get wider we have two columns, and finally four columns. Once we pass the max width, the content stays the same and only the background color keeps getting wider.

Now lets work on the header.





- We will again be using the row column design approach so we will begin with a division tag.
- We will give this a class of "row" and I want the content limited to match the footer so I will add the class of "limited" as well.
- I like to add a comment after the closing division tag to help me remember what is closes.
- This particular row will only have one column.
- As we did in the footer, am going to use a "section" tag to make the code easier to read.
- This section tag is functioning as a column so lets give it a class with the name of "column".
- Let's assign a class to this section tag that sets the width to 12 of 12 columns or 100%.
- In this unique case, this tag will be full width on medium and large screens as well. So we don't really need to add any more classes. Were done.
- So what goes in the header?
- Well we have a logo and we link it using a standard image tag. Remember to add the alt tag so your code will validate.
- We also have the company name in two separate lines. We will be using block design to lay out the logo so this is why I am using an h1 and h2.
- This is what it looks like so far. Ya, I know it bad, we will tackle the design next.

- Open the small css file
- Lets set the background color of the header.
- When we view it the color is not there because the header has a height of 0. You should remember this problem from the footer.
- To solve it we simply add a class of "clearfix" as we did before and since the css is already in place, it just works.
- Since we want the logo to the side of the text, we will float to the left and reduce the height to 85px.
- Notice that the text is touching the logo.
- Lets add some padding to the right of the logo.
- Now lets style both heading tags together.
- I want to remove the default margin from both.
- Change the color to white
- Set the font weight to 300 which is the bold version and change the style to italic.
- At this point they work on a small phone screen but I want to design them as a visual block so...
- On the h1 I will change the padding on the top to .5rem and font size to 1.95rem.
- On the h2, I will change the padding on the top to .2rem and the font size to 1.05rem.
- When I first built this page, it took me a while to fine tune these number to get a nice design block.



As the screen gets wider and we have more room, I want to change my design to fit. In the medium.css file I will increase the font size of the h1 to 2.85rem

The h2 will increase to 1.5rem

And the logo will increase to 100px tall.

Here is what we have so far. You are probably wondering why I am using such an ugly logo color. We will change that next.

| Because the logo is an SVG file, you can open it in your text editor. Notice on line 4 there is a fill color. | |
|--|-----|
| Please change that hex color to white to match our heading color. When you reload the page, you now have a beautiful white logo that does not burn your eye | es. |
| The header and footer are now complete for Bethanys pie shop, next we will work on the panavigation. | ge |
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Summary



Row and column approach

Limiting the screen width

Scalable vector graphic

Grid system

Build the example



Introduction

Wrap Up

Basic Page with Semantic Tags
Style Sheets and Media Queries
Build the Header and Footer
Build Responsive Navigation

Build the Hero Image
Build this Weeks Specials
Responsive Fruit Pie Gallery
SASS CSS Preprocessor
Introduction to Bootstrap