

Responsive Web Design WorkSheet

This exercise teaches you the basics to responsive web design by guiding you through a few basic steps in adapting a medium homepage layout for a mobile screen size. Take note that typically the process involves creating layouts for small, medium, and large screen ratios and if you're creating a new website entirely you should always start with the small layout first.



This is a basic wireframe of a generic homepage that we will be using for this exercise. Wireframing is the first step to structuring and organizing the layout of your pages. Doing so will help you organize, prioritize, and direct content for your customers.



Tip: Read the TipSheet and learn some helpful hints for greater success in this exercise.

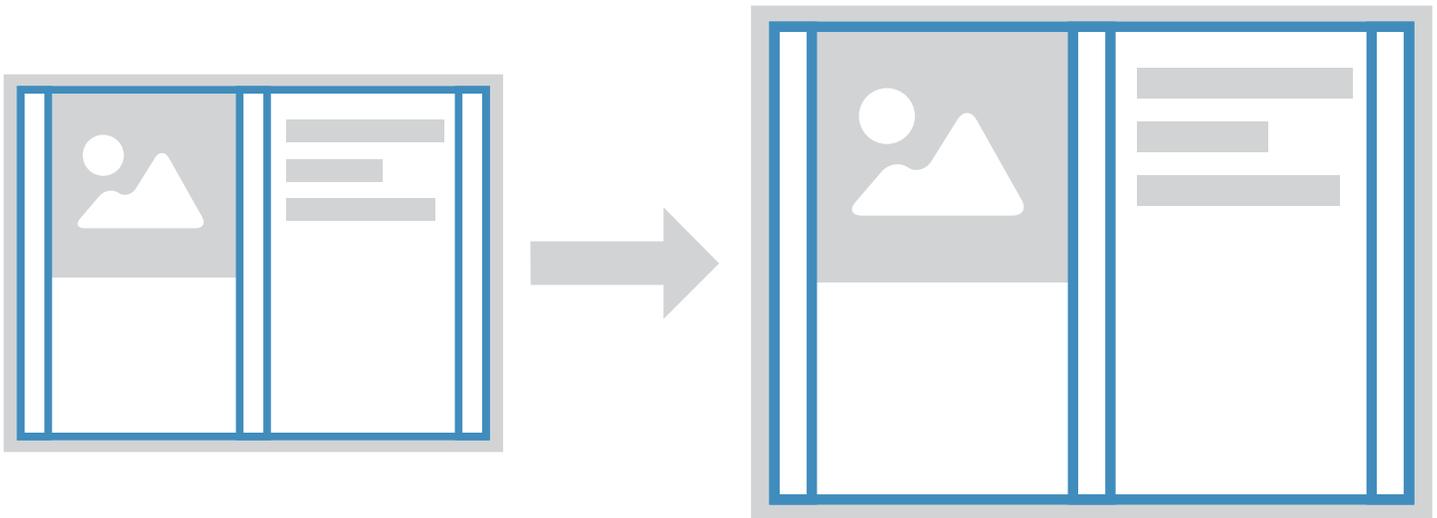


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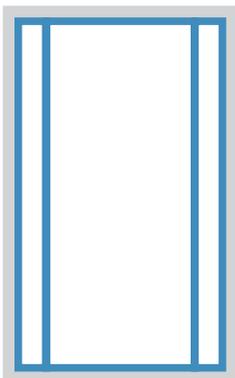
Setting up responsive grids

Before we start sketching and designing, we need to walk through the most fundamental building blocks of responsive web design. Responsive web design is about creating flexibility in your websites and allowing it to scale and adapt to any browser window.



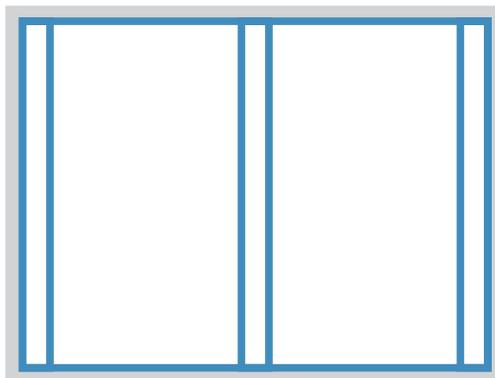
Using different grids like these will allow the content to scale and flex according to the browser window and help display content.

1 Column



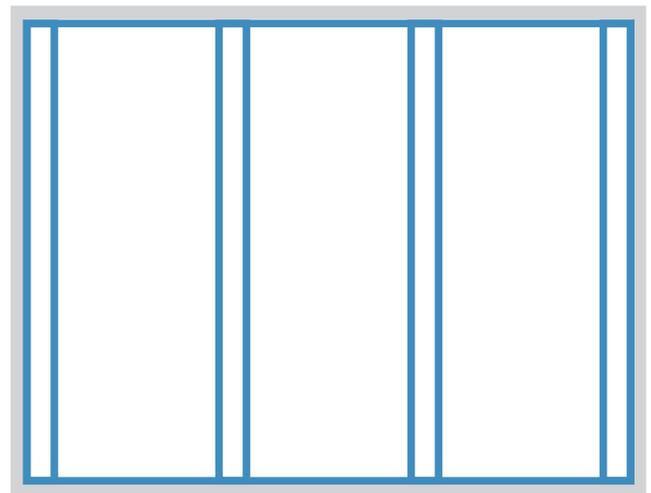
Small

2 Column



Medium

3 Column



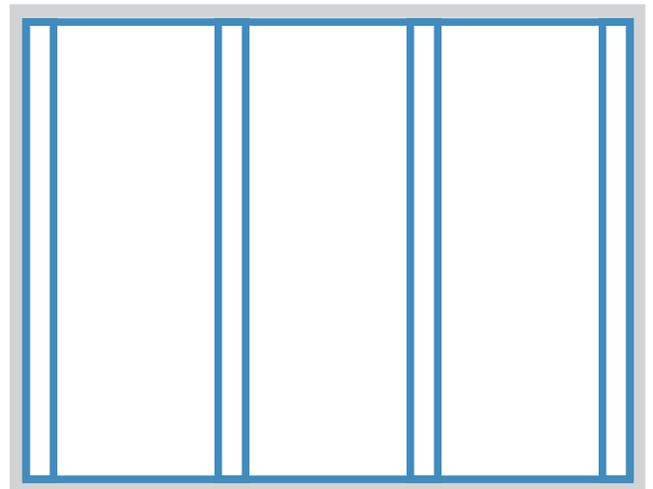
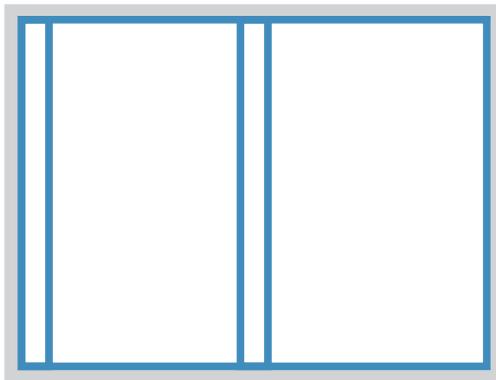
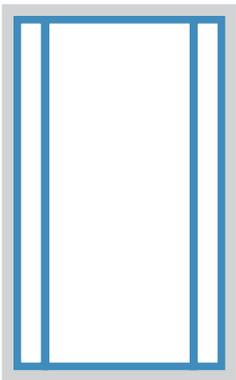
Large



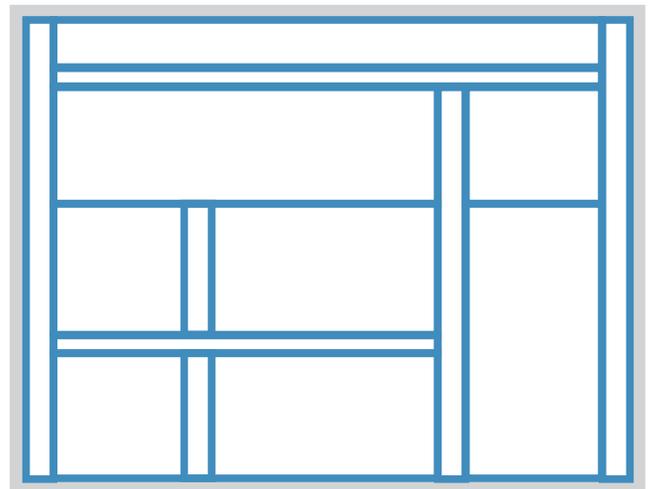
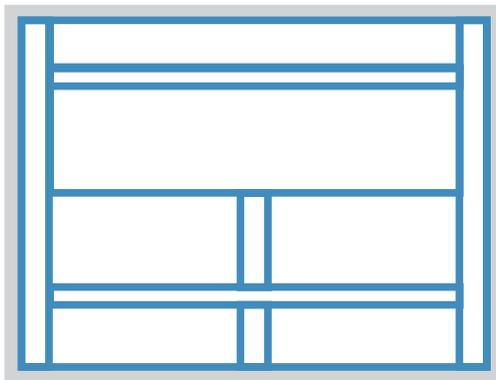
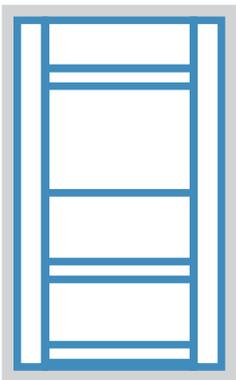
Advanced responsive design

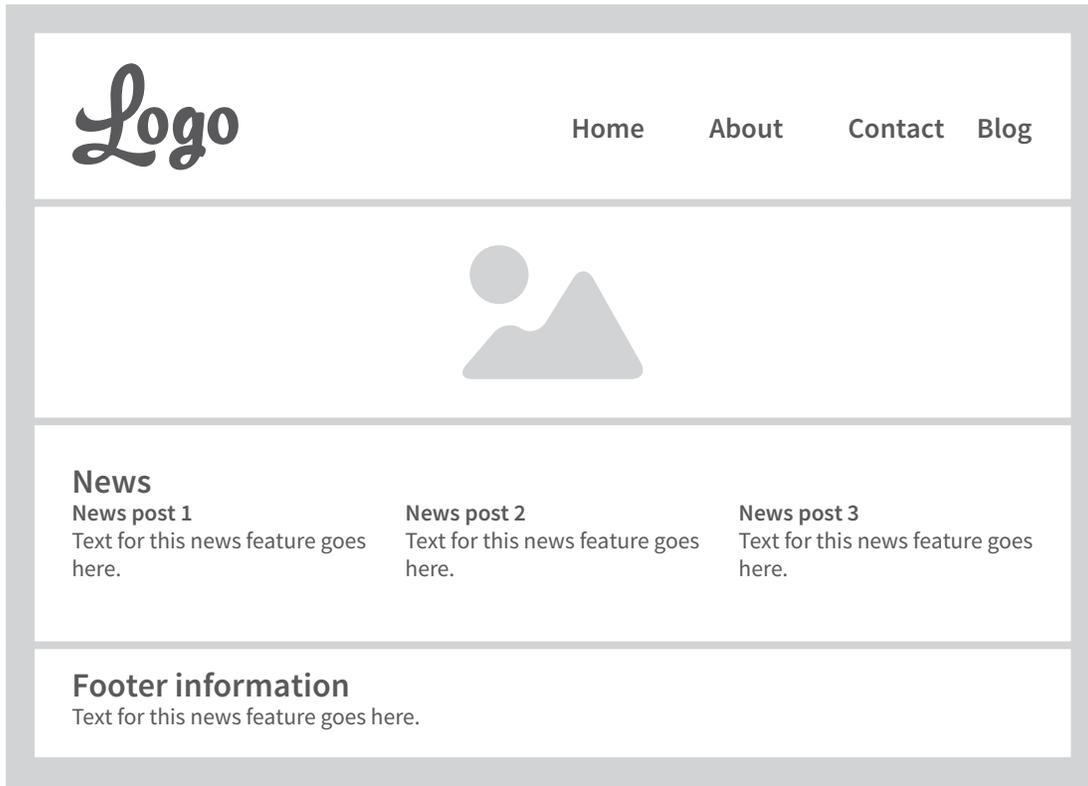
A number of responsive web design services available online offer very basic grid templates for you to fill in with your content, but they are not best suited to display your content. We will be working with basic responsive design grids for the following exercises, but don't feel restricted to designing just within the basic grids for your own websites. While you want your website to be more accessible to your audience with responsive web design, you also want your website to feel more unique and be more engaging with custom layouts.

Basic



Advanced



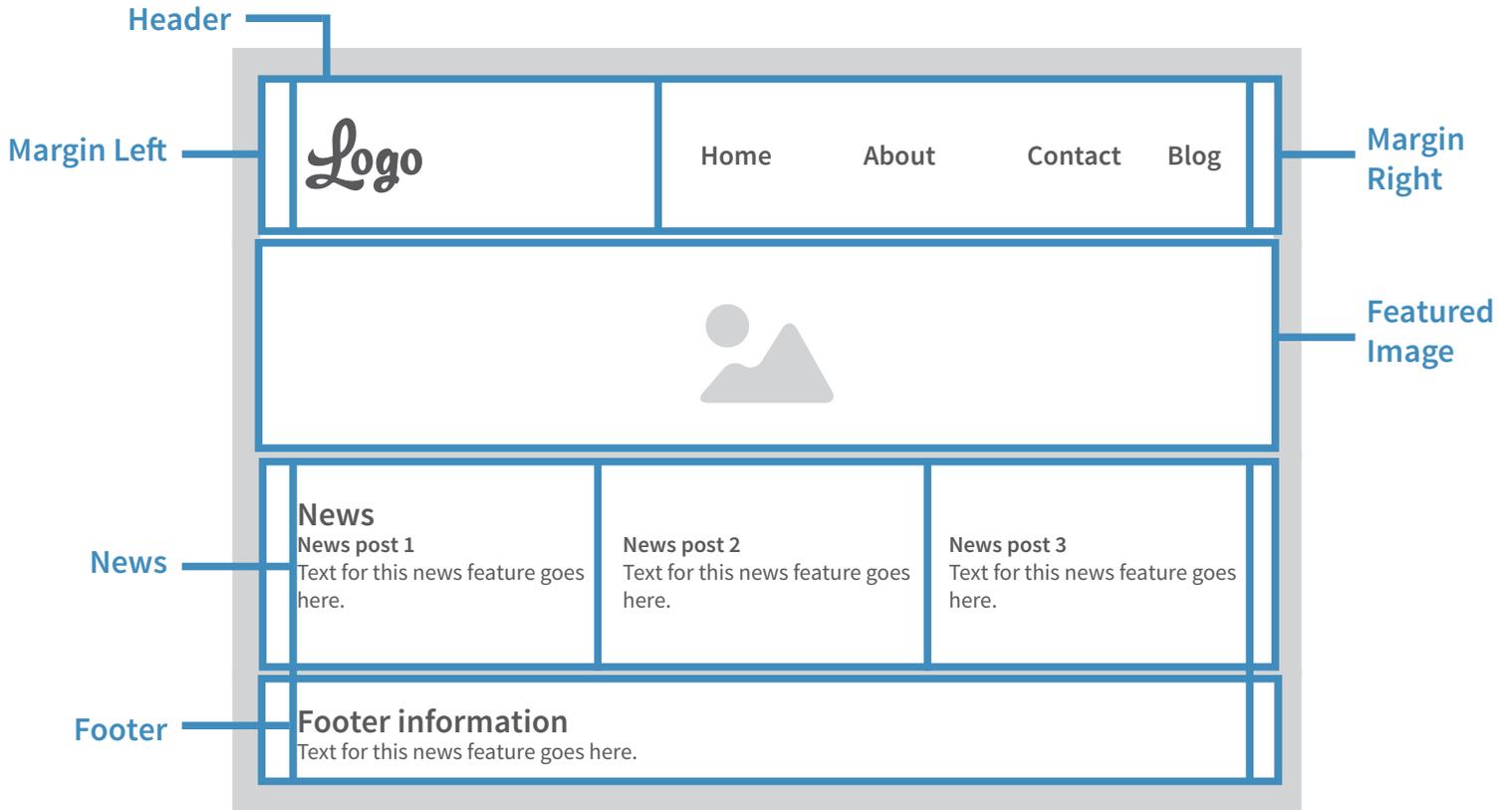


Exercise 1: Identify regions

Before we start any designing it's important to identify all the regions on your website to make sure the redesign will contain all the same parts. See if you can write down all the regions that are in the example homepage in the spaces below. (Such as navigation or footer.)



Tip: Get your inhouse web developer to help you identify all the containers. With their assistance this should be a breeze!



Exercise 1: Identify regions (answers)

These are the regions we would have used to create this homepage.

Margin Left

Margin Right

Header

Featured Image

News

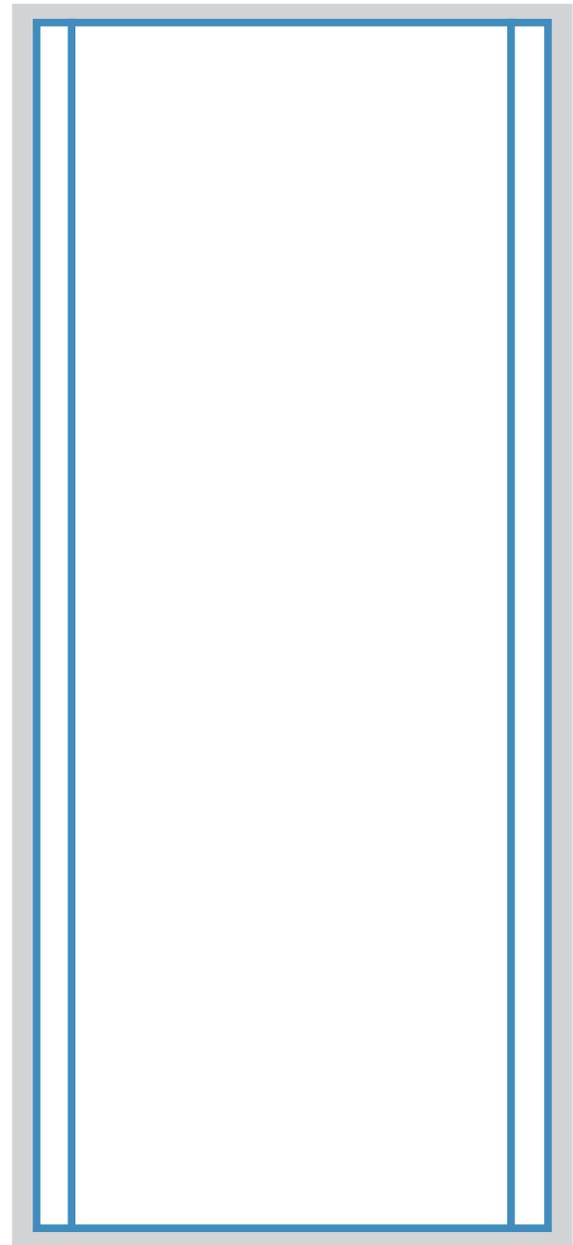
Footer



Exercise 2: Sketch mobile wireframe

Now that we have our regions written out, it's time to start designing for mobile! Below is a blank space for you to sketch out a mobile wireframe. Take the regions we identified in the last step and adapt each of them into the 1 column grid provided. Remember to keep it simple and follow the best practices outlined in the [Responsive Web Design Tipsheet](#).

- Navigation
- Header
- News
- Footer
- Featured Image
- Margin Left
- Margin Right

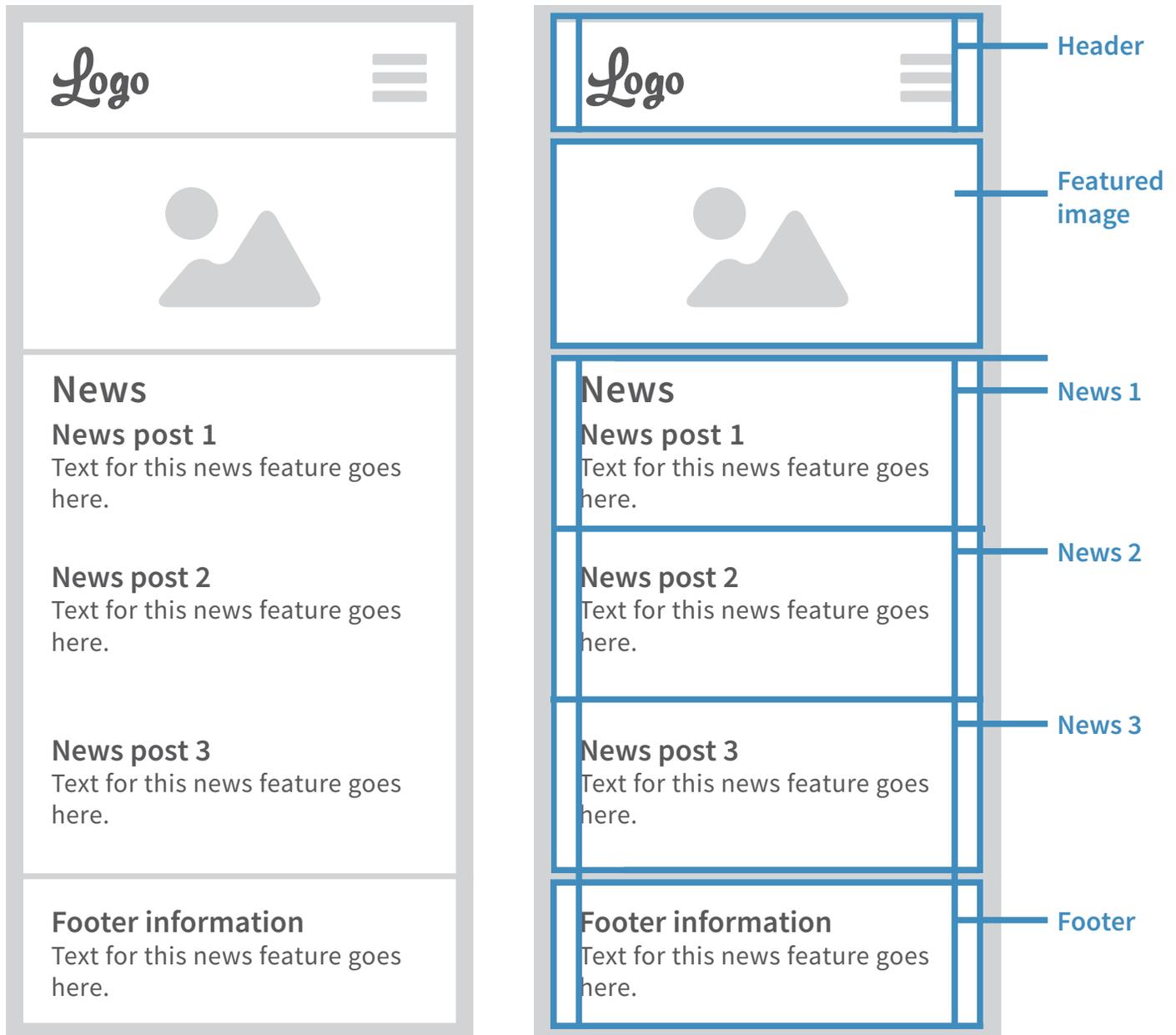


Tip: This would be a great exercise to do with your designer to help you layout the mobile wireframe.



Exercise 2: Sketch mobile wireframe (answers)

This is how we adapted the homepage. To reflect the medium sized homepage, each region is contained within the left & right margins except for the featured image. The news region has been collapsed into a single column grid, and we made sure to keep the type legible for this size.





Congratulations!

You've finished the exercise portion and now you have a basic understanding of designing responsive web sites with grids and ratios. If your website is not optimized for mobile platforms, then take what you have learned and run your website through the exercise. We even gave you a couple pages after this as a tool to use for your own website. Remember, the exercise only covered adapting one page into one size. Usually you should have three set sizes for each page on your website.

It's a lot of work and effort, but the result of maximizing customer engagement and retention is worth it!

Need help with the exercise?

[Get a free assessment](#)



2. Sketch wireframes for

webpage

