

Activity

1.

Prepare

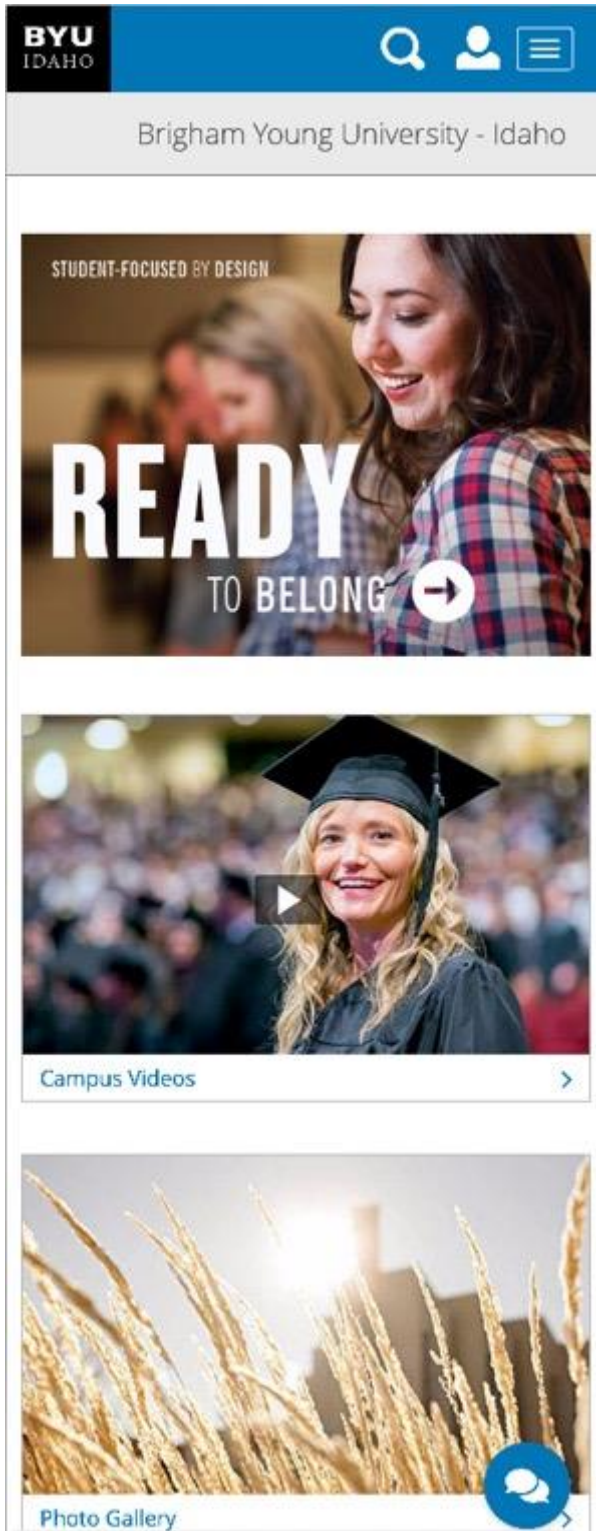
Begin this activity by watching [this great presentation by Jen Simmons on Designing for Grid](#) (~1h10 long).

Make sure that you have also read [Chapter 1 of Atomic Design](#)

2.

Review the design

For the rest of this exercise we will be re-building the BYU-Idaho Home page. Begin by familiarizing yourself with the page and how it responds at different screen widths. Because of time constraints we will be excluding certain parts of the page and making a few small changes. See the screenshots below for more details.



Mobile header

Brigham Young University - Idaho

Simplify the navbar
Use the mobile
layout for both.



GET INFORMATION FOR: ▾

Resources

Apply Now	>
Financial Aid	>
Degrees and Programs	>
Student Housing	>
Tuition and Fees	>
Academic Deadlines	>



Campus Videos >



Photo Gallery >



Explore Campus >

Important Dates

Nov 12	- Devotional: Doug Conway
Nov 19	- Devotional: TBA
Nov 26	- Devotional: Rachel Huber
Dec 03	- Devotional: Brian Merrill

Newsroom



OCTOBER 31, 2019

10-31-19 Extravadance

Brigham Young University-Idaho's Department of Theatre and Dance will showcase the power of art through this semester's Extravadance theme, "Art Embodied."



OCTOBER 24, 2019

Fall 2019 enrollment figures show continued growth

BYU-Idaho's emphasis on students increases the enrollment number for Fall Semester 2019



OCTOBER 23, 2019

BYU-Idaho Center Stage to host fun-filled evening with art

Combine talented artists painting, singing, and dancing on stage, and you have Artrageous.

Newsroom

University Message

A portrait of Doug Conway, a man with glasses and a suit. To the right of the portrait, the text reads: 'TUESDAY, NOVEMBER 12', 'Doug Conway', 'IT Software Engineering Manager', '11:30 a.m., Mountain Time', 'BYU-Idaho Center', 'Listen: byui.edu/radio', and '#BYUIDEVO' at the bottom in a blue box.

No need to do the
blue or black
footers. (Unless
you really want to)

Contact

525 South Center St.
P.O. Box 162600
Provo, UT 84602-0600

Follow

Facebook

Popular

Devotionals

Help

Disability Services

Desktop full page

1. First we are going to simplify the header. We are going to keep the mobile header on all layouts. You will also not be required to make the buttons in the menu work. We just don't have time this week.
2. Second, we will end our page right after the Taylor building image. The large blue and black footers will not be required.
3. Pay attention to the details of the page. This assignment is very much about details!

Consider this design through the lens of the component based design introduced in the Atomic design chapter. How many components do you see? I counted three different ones.



Resources	
Apply Now	>
Financial Aid	>
Degrees and Programs	>
Student Housing	>
Tuition and Fees	>
Academic Deadlines	>

Important Dates	
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Interest Box

List

January 11, 2019

BYU Vocal Point Returning to BYU-Idaho

Vocal Point entertains audiences throughout the world with their stunning, high-energy performances and their elaborate, cinematographic music videos.

READ MORE

of Links

Newsroom Small screen



OCTOBER 24, 2019

[Fall 2019 enrollment figures show continued growth](#)

BYU-Idaho's emphasis on students increases the enrollment number for Fall Semester 2019

Newsroom Large

Screen

4. At the top there is a collection of 3 interest boxes...fairly simple: image with a title below.
 5. There are lists of links that are formatted in a few different ways as asides.
 6. Finally there is the Newsroom article component. Date, title, description, button, with an image on larger screens.
- 3.

Getting Started

Download [this code](#) and open it in your editor to get started. It contains an html file with the HTML for the header, and some SCSS files with some helpful things. Review these files before moving on. Pay particular attention to the code in the `_icons.scss` file. All of the icons on the site are pulled from a font file. This is a common practice. This partial contains the CSS to allow you to pull each icon out and use it. You can see an example of this in the provided header code:

```
<a href="#">
  <span aria-hidden="true" class="icon-byui-logo">
    <span class="sr-only">Link to BYU-Idaho home page</span>
  </span>
</a>
```

Note the `class="icon-byui-logo"` on the span. This class will go find the right icon in the font and display it using a `::before` pseudo element. Pay close attention as well to the other properties in this snippet. `aria-hidden="true"` and `class="sr-only"`. You will see more of that as you look through the provided code. Both of these work together to improve the accessibility of the site to visually impaired visitors.

`aria-hidden="true"` is a note to the screen reader to ignore this element. It makes sense...it is purely decorative and there is nothing read, but it would be nice to know that there was a logo...so the span with the `sr-only` class contains a message that should not be visible, but only read if a visitor has a screen reader...in fact if you look at the SCSS provided you will see that rule. It goes to great lengths to make sure that any element is **does not** show up for anything but `screen readers only`. (this particular version of that rule was borrowed from Bootstrap)

As you write your HTML pay attention to accessibility! If there are any elements that cannot be understood as read...add some `sr-only` notes to help visitors out. These elements can likewise be removed from the screen reader's queue with the `aria-hidden` property, making your pages easier and quicker to navigate with readers.

Start your work by styling the header and nav to match the BYUI at a mobile size. Then adjust it for larger desktops as discussed above.

As you style put some thought and planning into the naming and structure of your SCSS as well. See if you can apply the principles from a CSS architecture like **BEM** for example.

4.

Component Design

Continue your work on this site by building the three components discussed above. Write the HTML first for one of each of the three components, then style them. Have a goal of keeping your HTML markup as simple as possible, while focusing on re-use.

5.

Mobile Layout

Once you have your components built and styled, write the rest of the HTML for the page to account for all of the content. Re-use the component code as appropriate. You will need to grab the images from the actual site to use.

Then begin your styling for the mobile layout.

As you are building and styling your page, it is ok to look at the existing page source to get ideas about how it was built. Resist the temptation to copy and paste anything from the actual page however. You will learn much more from this activity if you write all of the code yourself!

6. Desktop Layout

Once you have the mobile layout done continue on to the desktop.

If the desktop layout is giving you troubles here is a **screenshot of the grid for my version of this assignment**. AFTER you have tried to do it on your own feel free to look at how I setup my grid to accomodate the University Message box that is in different positions on mobile and desktop.

7.

Submit

Upload your HTML and SCSS (zip it up) to iLearn.

Grading

- BYU-Idaho Home page re-created. (Everything but with the simplified navigation bar and no footer.) 5pts
- Site is styled with SCSS and is responsive. 5pts
- Attention paid to detail (Pixel perfect replication is not required here. It should be close but we don't have the time to make it exact. 5pts