

WDD 130

[Home](#)[W1](#)[W2](#)[W3](#)[W4](#)[W5](#)[W6](#)[W7](#)[I-Learn](#)

W04: Using CSS Flex and Grid on the Course Home Page

Overview

This assignment has you apply the concepts that you have learned from the learning activities to enhance the home page with modern **layout** techniques.

Instructions

1. Open your course home page, **index.html**, and stylesheet, **styles.css**, for editing.
2. Refactor the CSS for the combined rule of **header**, **footer** to have a maximum width of 840 pixels and to center the content on the page. We will add in the main section later.

▼ Check Your Work

```
header, footer {  
  max-width: 840px;  
  margin: 0 auto;  
}
```

This means you should delete this **max-width** decoration from **header**, **main**, and **footer** selectors if necessary.

3. Use **CSS Flex** to make the navigation links display horizontally across the screen. The menu should be justified with even spacing and centered within the navigation bar. Remember to apply the CSS Flex declaration to the container.

▼ Check Your Work

```
nav {  
  background-color: steelblue;  
  padding: 1rem;  
  display: flex;  
  justify-content: space-evenly;
```

```
align-items: center;
}
```

4. If you have not already added a link to your LinkedIn profile (or to LinkedIn in general) and to your Facebook profile (or to Facebook in general), add those links to the **nav** navigation menu.
5. Alter the anchor tags to be block elements with padding and no text decoration. You are free to apply other relevant styling as well.

▼ Check Your Work

```
nav a {
  display: block;
  padding: 0.5rem;
  text-decoration: none;
  font-size: 1.2rem;
  font-weight: 700;
  color: #fff; /* shorthand for white */
}
```

6. Add a bottom border to the heading **h1** element.

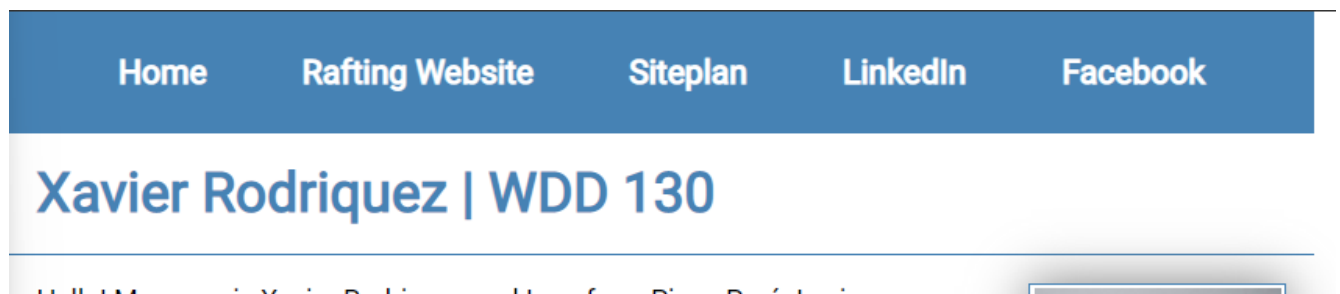


Figure 1: Screenshot of navigation bar example.

Be sure to test your page locally often using the **Live Server** extension in VS Code. This will launch your default browser to the **localhost** address, and you can see your changes as you make them. localhost is a special address that your computer uses to refer to itself.

7. In your HTML file, encase the **main** and **aside** elements in a **div** element with a **class** attribute named "**grid**".
8. In your CSS file, add the **.grid** selector to the **header**, **footer** CSS selector to also make it part of the **max-width** and **margin**.

```
header, .grid, footer {
```

9. Make this new **div** a CSS **grid** display with the **aside** on the left and the **main** element on the right as shown below.

There are at least two ways to do this. Choose one. Not both.

- Use **grid-template-columns** to define the columns and their widths.
- Use **grid-column** and **grid-row** to define the grid items (main and aside) position.

▼ Check Your Work

```
.grid {  
  display: grid;  
  align-items: center;  
}  
  
main {  
  grid-column: 2/3;  
  margin: 1rem;  
}  
  
aside {  
  width: 20rem;  
  position: relative;  
  grid-column: 1/2;  
  grid-row: 1/2;  
}
```

Note that the **aside** selector needed to apply the **grid-row** whereas the **main** selector did not. This is because of the natural order in the HTML structure.

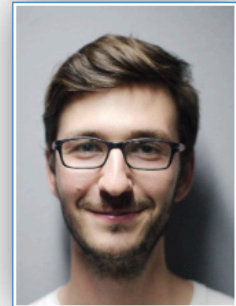
[Home](#)[Rafting Website](#)[Siteplan](#)[LinkedIn](#)[Facebook](#)

"Machu Picchu is a 15th-century Inca citadel located in the Eastern Cordillera of southern Peru on a 2,430-meter (7,970 ft) mountain ridge. It is located in the Machupicchu District within Urubamba Province above the Sacred Valley, which is 80 kilometers (50 mi) northwest of Cusco." - wiki

Xavier Rodriquez | WDD 130

Hello! My name is Xavier Rodriquez and I am from Piura, Perú. I enjoy swimming, basketball, reading, and hiking in the mountains. I am one of four children and recently returned from my mission in Chili. I hope to be a frontend web developer working for a company in Perú.

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Sed consectetur et ullam animi, quidem eaque ut voluptatibus sint blanditiis ea dignissimos explicabo. Lorem ipsum dolor sit, amet consectetur adipisicing elit. Beatae, adipisci! Lorem ipsum. Placeat possimus fuga numquam voluptate molestias in. nihil iusto repellendus quaerat tempore nam cum commodi! Officia numquam nobis vel animi, amet, Est, sed ratione?



- [Philadelphia Pennsylvania Temple](#)
- [Paris France Temple](#)
- [Berlin Germany Temple](#)

©2024 🇵🇪 Xavier Rodriquez 🇵🇪 Piura, Perú

Figure 2: Screenshot of the home page layout with grid.

Example Solution:  [Home Page Layout using CSS Flex and Grid](#)

Testing

- Validate the HTML by running the **Web Developer** extension in your browser and **Tools -> Validate Local HTML**. Correct any errors.
- Validate the CSS by using **Validate Local CSS**. Correct any errors that are reported.
- Enter your GitHub username into this [evaluation tool](#) to get a basic Page Evaluation of your HTML.
- Check for [color contrast](#) violations at the AA level. Use DevTools **CSS Overview** to test: [How to Use CSS Overview](#)

- Every page in this course will be expected to pass the [development standards checklist](#). Review your rendered page and markup against this checked items.

Submission

1. Commit and push your changes to your wdd130 GitHub Pages repository.
2. Return to I-learn to submit your wdd130 GitHub Pages URL:

`https://githubusername.github.io/wdd130`

Copyright © Brigham Young University-Idaho | All rights reserved