CSS Layout - Flexbox – Exercise

Topics Covered

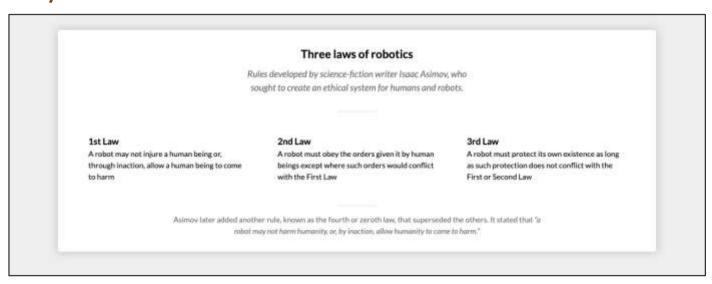
Flexbox is a one-dimensional layout method for arranging items in rows or columns. Items flex (expand) to fill additional space or shrink to fit into smaller spaces. This article explains all the fundamentals.

Resources

- Flexbox MDN
 - https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS layout/Flexbox
- A Complete Guide to Flexbox
 - https://css-tricks.com/snippets/css/a-guide-to-flexbox/
- An Interactive Guide to Flexbox
 - https://www.joshwcomeau.com/css/interactive-guide-to-flexbox/
- Flexbox cheat sheet
 - o https://codepen.io/kdankov/pen/QWoVyZJ

Tasks

1. Layout – 3 columns



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

- 1. File Setup:
 - Create an HTML document named three-columns.html
 - Create a CSS file named three-columns.css



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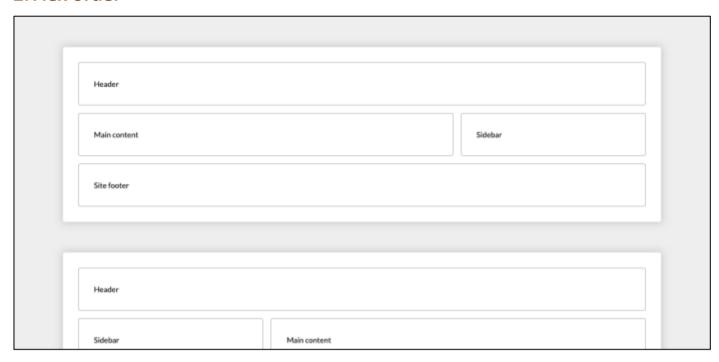








2. Flex order



For full screenshot check the screenshot.png file in the folder for the task

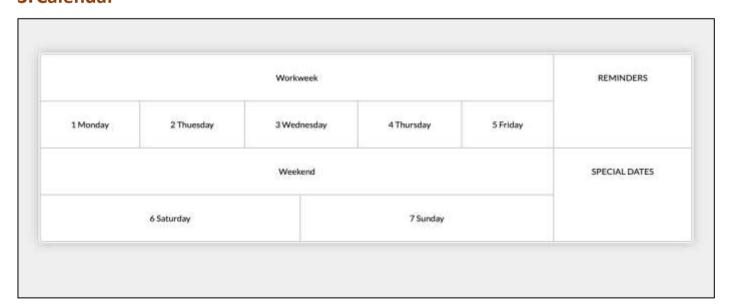
Objective:

Create a webpage that looks like the screenshot above.

Requirements:

- 1. File Setup:
 - Create an HTML document named flex-order.html
 - Create a CSS file named flex-order.css

3. Calendar



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.













Requirements:

- 1. File Setup:
 - Create an HTML document named calendar.html
 - Create a CSS file named calendar.css

4. Main Navigation



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

- 1. File Setup:
 - Create an HTML document named main-navigation.html
 - Create a CSS file named main-navigation.css









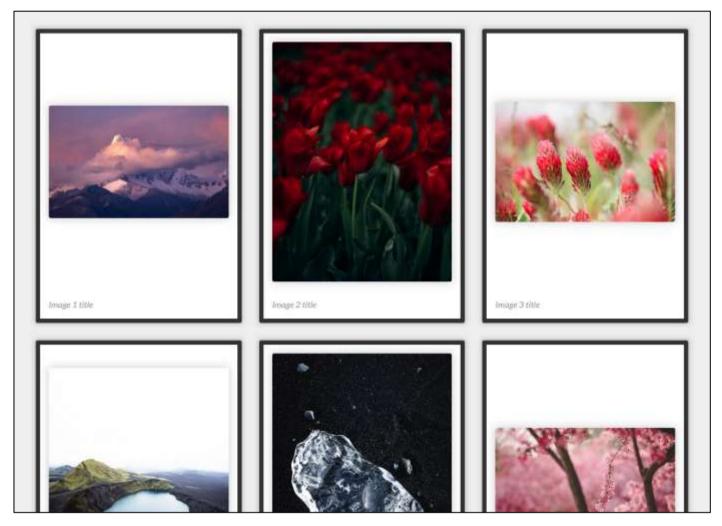








5. Photo Gallery



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

- 1. File Setup:
 - Create an HTML document named photo-gallery.html
 - Create a CSS file named photo-gallery.css









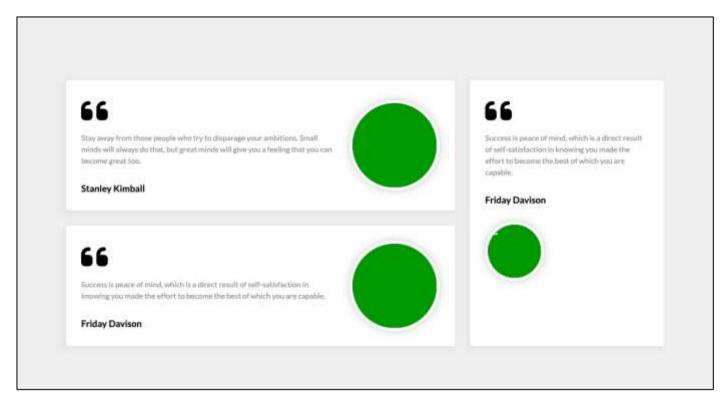








6. Fancy Quotes



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

- 1. File Setup:
 - Create an HTML document named fancy-quotes.html
 - Create a CSS file named fancy-quotes.css









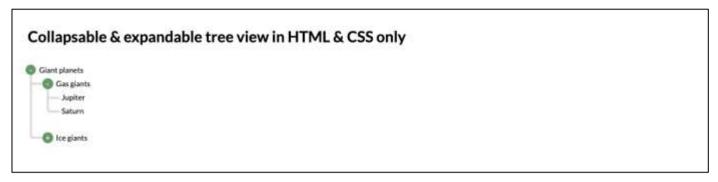








6. Expandable Tree view



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

- 1. File Setup:
 - Create an HTML document named expandable-tree-view.html
 - Create a CSS file named expandable-tree-view.css

7. Keyboard



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

- 1. File Setup:
 - Create an HTML document named keyboard.html
 - Create a CSS file named keyboard.css

















8. Flexbox Center

Why Flexbox?

For a long time, the only reliable cross-browser compatible tools available for creating CSS layouts were features like floats and positioning. These work, but in some ways they're also limiting and frustrating.

The following simple layout designs are either difficult or impossible to achieve with such tools in any kind of convenient, flexible way:

- · Vertically centering a block of content inside its parent.
- · Making all the children of a container take up an equal amount of the available width/ height, regardless of how much width/height is available.
- · Making all columns in a multiple-column layout adopt the same height even if they contain a different amount of content.

As you'll see in subsequent sections, flexbox makes a lot of layout tasks much easier. Let's

For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

- 2. File Setup:
 - Create an HTML document named flexbox-center.html
 - Create a CSS file named flexbox-center.css









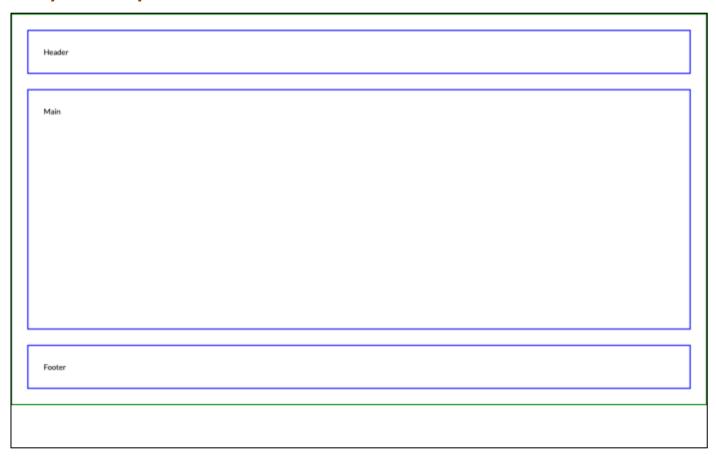








9. Layout Sticky Footer



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

- 3. File Setup:
 - Create an HTML document named sticky-footer.html
 - Create a CSS file named sticky-footer.css

10. Section Banner



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

















- 4. File Setup:
 - Create an HTML document named section-banner.html
 - Create a CSS file named section-banner.css















