Handout CSS

Unfortunately, the last lesson contained so much content that we couldn't cover all of it.

All code can be found ont Github

References

Tailwind CSS - Rapidly build modern websites without ever leaving your HTML.
Tailwind CSS is a utility-first CSS framework for rapidly building modern websites without ever leaving your HTML.

https://tailwindcss.com/

A Complete Guide to Flexbox | CSS-Tricks
Our comprehensive guide to CSS flexbox layout. This complete guide explains everything about flexbox, focusing on all the different possible properties for the parent element (the flex container) and the child elements (the flex items). It also includes history, demos, patterns, and a browser support chart.

https://css-tricks.com/snippets/css/a-guide-to-flexbox/

A Complete Guide to CSS Grid | CSS-Tricks
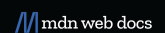Our comprehensive guide to CSS grid, focusing on all the settings both for the grid parent container and the grid child elements.

https://css-tricks.com/snippets/css/complete-guide-grid/

Basic concepts of grid layout - CSS: Cascading Style Sheets | MDN
CSS grid layout introduces a two-dimensional grid system to CSS. Grids can be used to lay out major page areas or small user interface elements. This article introduces the CSS Grid Layout and the new terminology that is part of the CSS

https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_grid_layout/Basic_concepts_of_grid_layout

State of CSS 2023: CSS Frameworks
The 2023 edition of the annual survey about the latest trends in the CSS ecosystem.

https://2023.stateofcss.com/en-US/css-frameworks

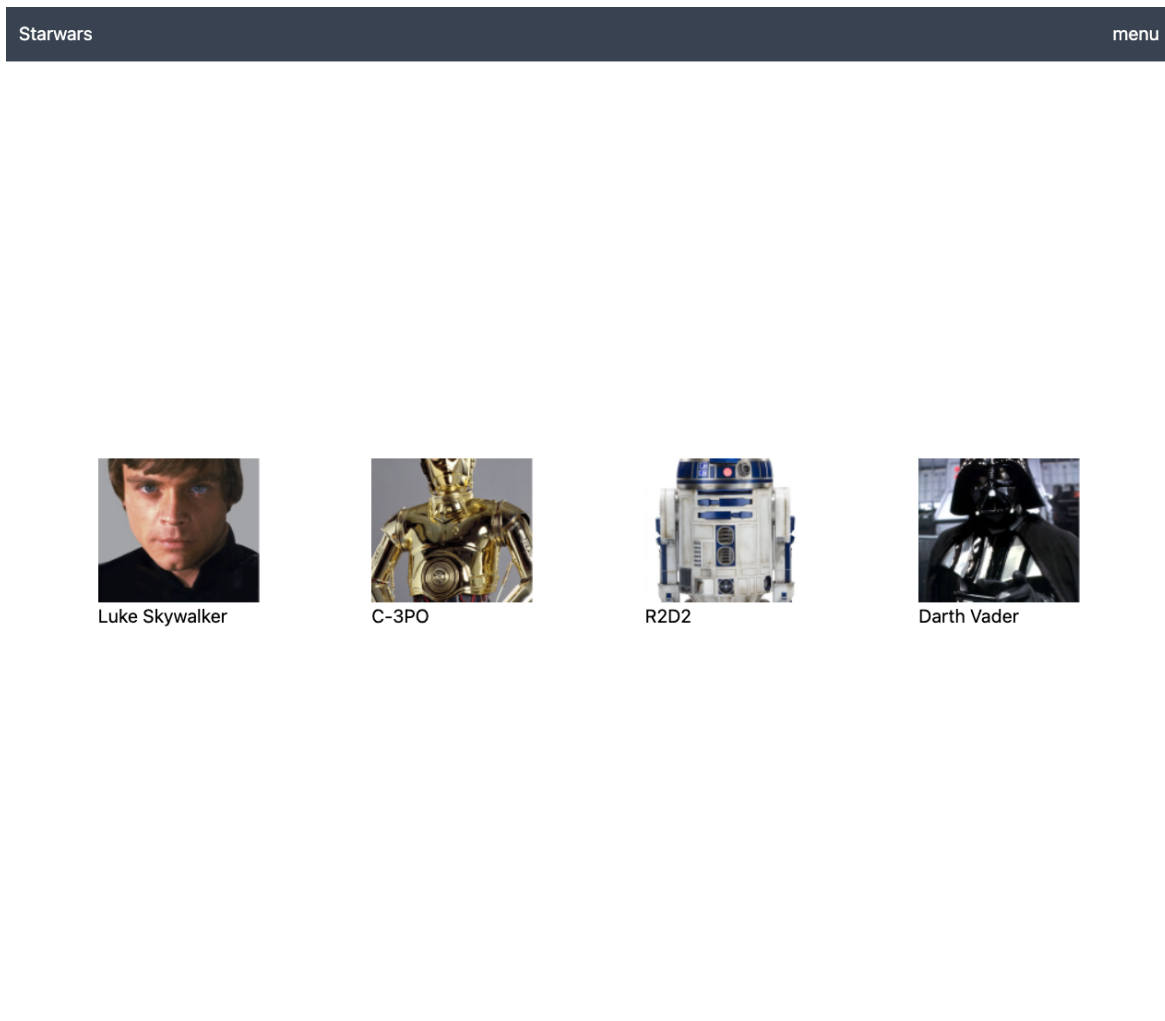## Assignment

We want to implement this design

We will implement this design using the following step-by-step approach.

1. Step 1 - HTML and CSS with flexbox

2. Step 2 - HTML with tailwind and flexbox

3. Step 3 - HTML with tailwind and cssgrid

Step 1 - HTML and CSS with flexbox

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
```

```html
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="./assets/css/style.css">
    <title>JS example</title>
  </head>

  <body>
    <header>
      <h1>Starwars</h1>
      <button>menu</button>
    </header>
    <main id="app" class="container">
      <section class="section">
        <article>
          <img src="./assets/img/luke.png" alt="Luke Skywalker" />
          <h2>Luke Skywalker</h2>
        </article>
        <article>
          <img src="./assets/img/c3po.png" alt="C-3PO" />
          <h2>C-3PO</h2>
        </article>
        <article>
          <img src="./assets/img/r2d2.png" alt="R2D2" />
          <h2>R2D2</h2>
        </article>
        <article>
          <img src="./assets/img/darthvader.png" alt="Darth Vader" />
          <h2>Darth Vader</h2>
        </article>
      </section>
    </main>
    <script type="module" src="./assets/js/main.js"></script>
  </body>

</html>
```

```css
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    display: flex;
```

```css
        flex-direction: column;
}

header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    background-color: #f1f1f1;
    padding: 10px;

}

.container {
    padding: 10px;
    width: 100%;
    display: flex;
    justify-content: center;
    flex-direction: row;
    align-items: center;
}
```

Step 2 - HTML with tailwind and flexbox

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <link rel="stylesheet" href="./assets/css/style.css">
  <title>JS example</title>
</head>

<body class="h-screen flex flex-col">
  <header class="bg-gray-700 p-3 flex justify-between">
    <h1 class="text-white">Starwars</h1>
    <button class="text-white">menu</button>
  </header>
  <main id="app" class="h-full flex flex-row p-10 justify-center flex-wrap c
```

```html
    <article>
      <img src="./assets/img/luke.png" alt="Luke Skywalker" />
      <h2>Luke Skywalker</h2>
    </article>
    <article>
      <img src="./assets/img/c3po.png" alt="C-3PO" />
      <h2>C-3PO</h2>
    </article>
    <article>
      <img src="./assets/img/r2d2.png" alt="R2D2" />
      <h2>R2D2</h2>
    </article>
    <article>
      <img src="./assets/img/darthvader.png" alt="Darth Vader" />
      <h2>Darth Vader</h2>
    </article>
  </main>
  <script type="module" src="./assets/js/main.js"></script>
</body>

</html>
```

Step 3 - HTML with tailwind and cssgrid

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <link rel="stylesheet" href="./assets/css/style.css">
  <title>JS example</title>
</head>

<body class="h-screen flex flex-col">
  <header class="bg-gray-700 p-3 flex justify-between">
    <h1 class="text-white">Starwars</h1>
    <button class="text-white">menu</button>
  </header>
  <main id="app" class="h-full grid grid-cols-2 md:grid-cols-4 gap-4 p-10 ju
```

```html
    <article>
      <img src="./assets/img/luke.png" alt="Luke Skywalker" />
      <h2>Luke Skywalker</h2>
    </article>
    <article>
      <img src="./assets/img/c3po.png" alt="C-3PO" />
      <h2>C-3PO</h2>
    </article>
    <article>
      <img src="./assets/img/r2d2.png" alt="R2D2" />
      <h2>R2D2</h2>
    </article>
    <article>
      <img src="./assets/img/darthvader.png" alt="Darth Vader" />
      <h2>Darth Vader</h2>
    </article>
  </main>
  <script type="module" src="./assets/js/main.js"></script>
</body>

</html>
```