

# Web Dev Bootcamp 2024/25

Responsive Web Design – Lab 02  
12.10.2024

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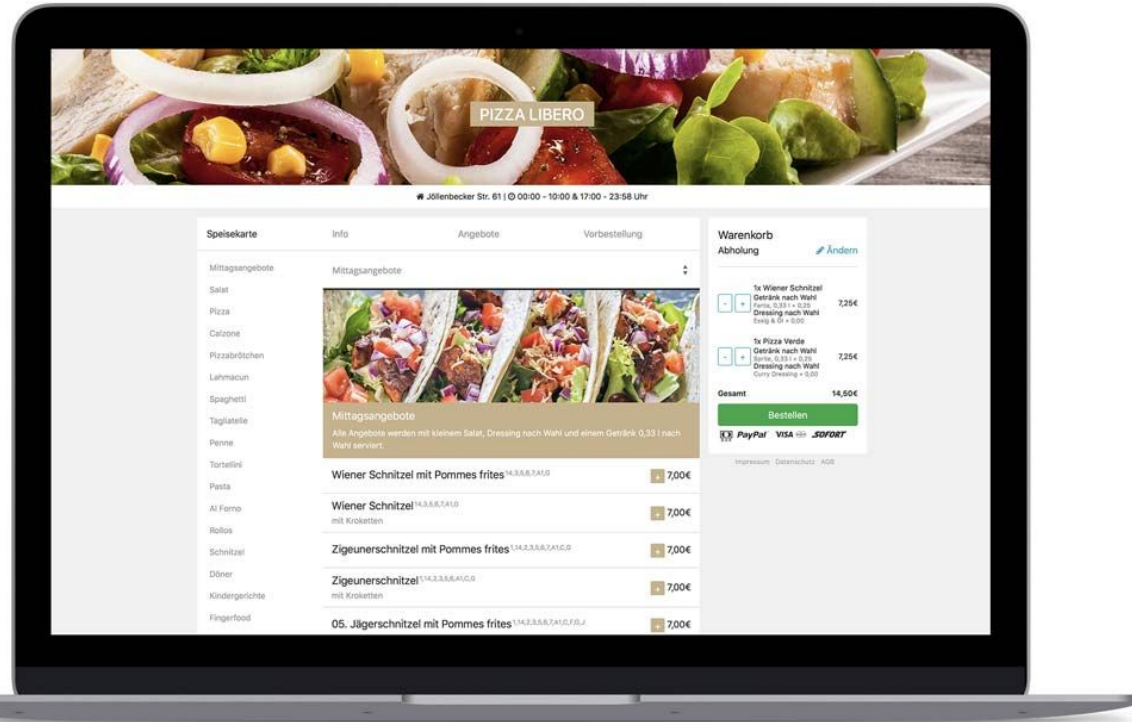
# Agenda

1. Diskusi tentang tugas dari minggu lalu
2. Responsive CSS
3. Prep & To-Do untuk next session
4. Organisasi dan feedback

# Diskusi tentang tugas dari minggu lalu

- Team updates
- Sari's solution

# From last week...



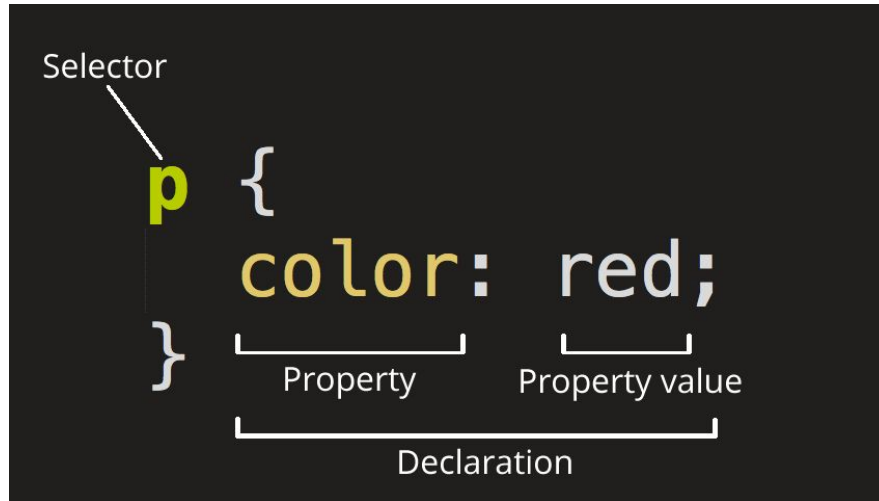
Lines of code  
that  
constitute  
mostly of:

- HTML
- CSS
- Scripts





# Responsive CSS



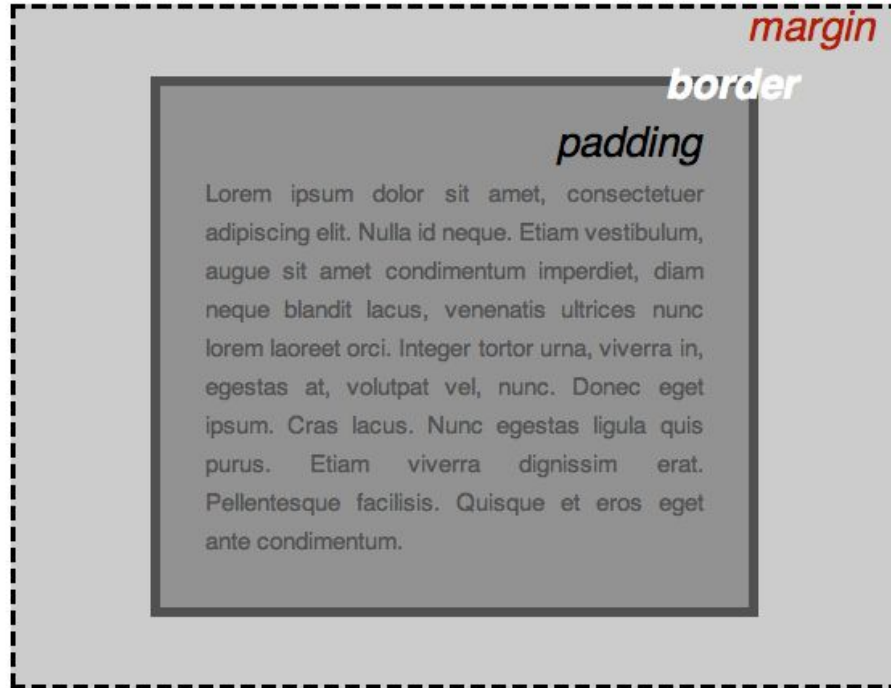
Source: [https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/CSS\\_basics#what\\_is\\_css](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/CSS_basics#what_is_css)

- **Selector**  
Nama element HTML di awal ruleset. Ini menentukan elemen yang akan diberikan style (misalnya, element `<p>`). Untuk memberi style pada element yang berbeda, harus declare selector baru.
- **Declaration**  
Ini adalah single rule, e.g. `color: red;`. Ini menentukan properti element mana yang mau di apply kan style.
- **Property**  
Ini adalah cara untuk bisa meng apply style pada element HTML (contohnya ini ke tiap element `<p>`).
- **Property value**  
Yaitu value atau nilai dari tiap property.

# Responsive CSS

Selector name	What does it select	Example
<b>Element selector</b> (kadang juga disebut <i>tag</i> atau <i>type selector</i> )	Semua HTML elements yang dispesifikasikan.	<code>p</code> menspesifikasikan <code>&lt;p&gt;</code>
<b>ID selector</b>	Element HTML yang sudah diberikan ID. Nama/value ID di tiap HTML page (.html) ini harus selalu unik (tidak ada yang boleh sama).	<code>#my-id</code> menspesifikasikan <code>&lt;p id="my-id"&gt;</code> or <code>&lt;a id="my-id"&gt;</code>
<b>Class selector</b>	Element-element HTML yang sudah dikelompokkan menjadi satu kelas/class.	<code>.my-class</code> menspesifikasikan <code>&lt;p class="my-class"&gt;</code> dan <code>&lt;a class="my-class"&gt;</code>
<b>Attribute selector</b>	Element-element HTML dengan attribute yang sudah dispesifikasi.	<code>img[src]</code> menspesifikasikan <code>&lt;img src="myimage.png"&gt;</code> (BUKAN <code>&lt;img&gt;</code> )
<b>Pseudo-class selector</b>	Element-element HTML spesifik yang berada dalam kondisi tertentu (e.g. ketika cursor sedang hover di atas suatu link.)	<code>a:hover</code> menspesifikasikan <code>&lt;a&gt;</code> , tapi hanya ketika cursor sedang hover di atas link

# Responsive CSS

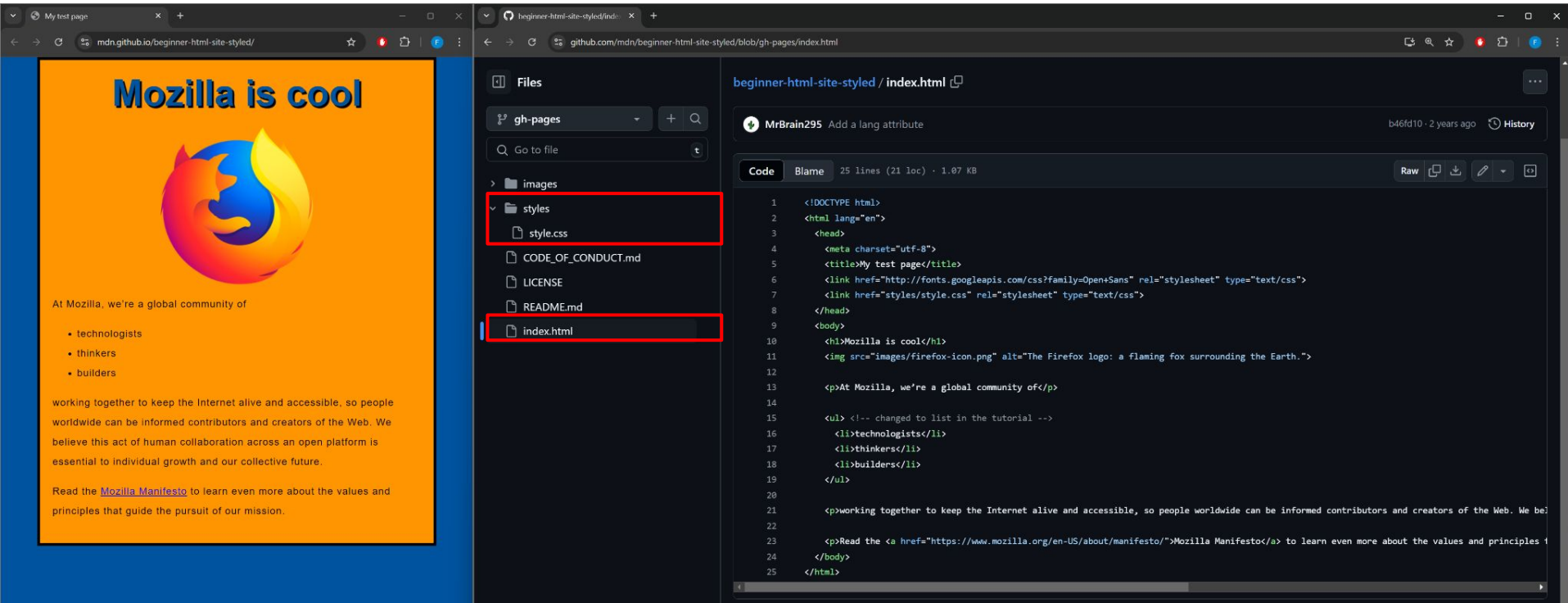


- padding
- border
- margin
- box
- background-color
- font
- display
- width
- height
- **More on this:**  
<https://www.w3schools.com/cssref/index.php>

Source: [https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/CSS\\_basics#what\\_is\\_css](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/CSS_basics#what_is_css)

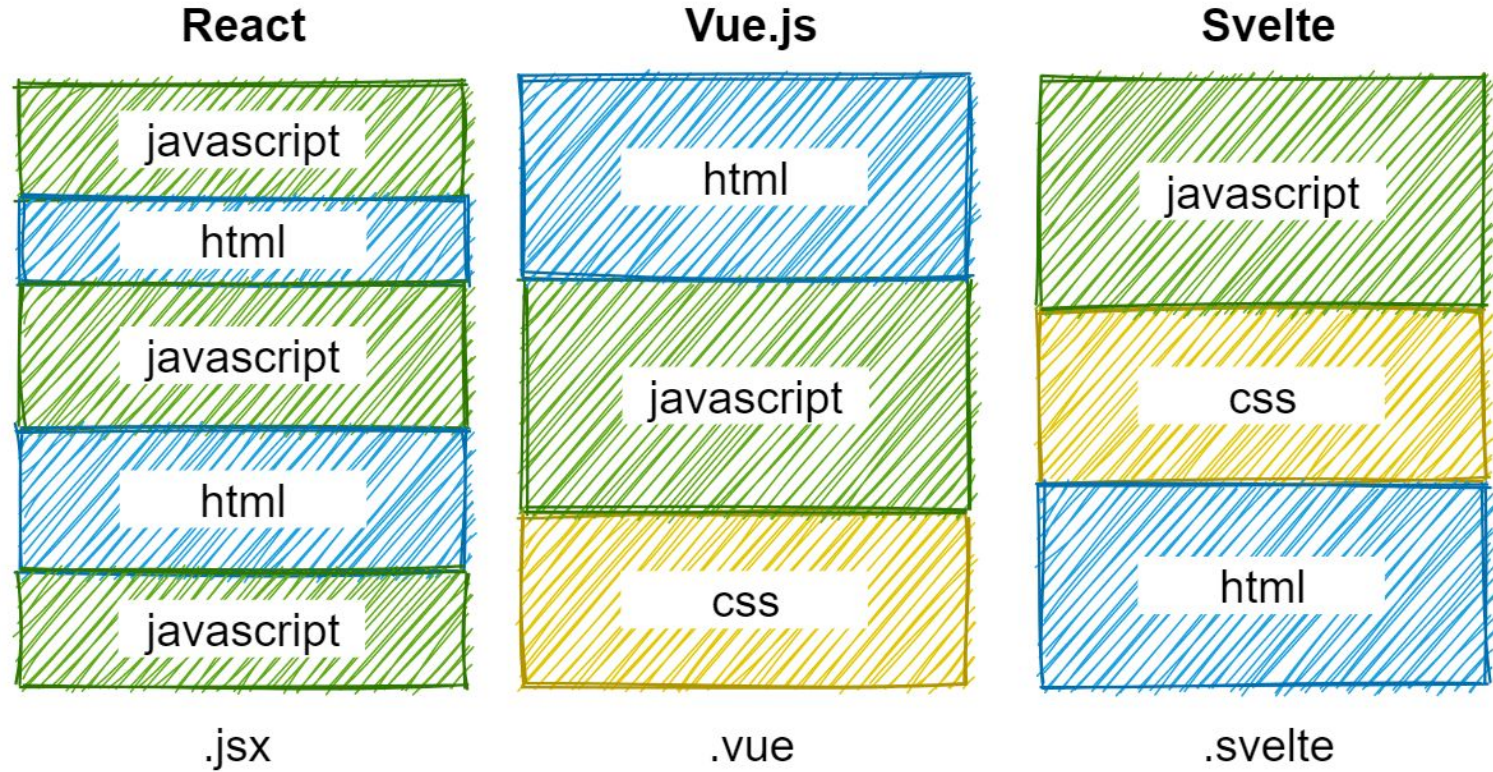


# Responsive CSS



Source: <https://mdn.github.io/beginner-html-site-styled/>

Source: <https://github.com/mdn/beginner-html-site-styled/blob/gh-pages/styles/style.css>



Source: [https://miro.medium.com/v2/resize:fit:1400/1\\*GGNjwHiVivODhKcYw2MS8q.png](https://miro.medium.com/v2/resize:fit:1400/1*GGNjwHiVivODhKcYw2MS8q.png)

# Prep untuk next session

The screenshot shows the freeCodeCamp interface for the 'Build a Technical Documentation Page' project. The top navigation bar includes a search bar, the freeCodeCamp logo, and links for Menu and Sign in. The project title 'Build a Technical Documentation Page' is displayed. Below the title, there are tabs for 'Instructions', 'index.html', and 'styles.css'. The 'Instructions' tab is active, showing the project objective and user stories. The 'index.html' tab is also visible, showing a code editor with a single line of code. The 'styles.css' tab is also visible, showing a code editor. The 'Instructions' tab contains the following text:

**Objective:** Build an app that is functionally similar to <https://technical-documentation-page.freecodecamp.rocks>. Do not copy this demo project.

**User Stories:**

1. You can see a `main` element with a corresponding `id="main-doc"`, which contains the page's main content (technical documentation)
2. Within the `#main-doc` element, you can see several `section` elements, each with a class of `main-section`. There should be a minimum of five
3. The first element within each `.main-section` should be a `header` element, which contains text that describes the topic of that section.
4. Each `section` element with the class of `main-section` should also have an `id` that corresponds with the text of each `header` contained within it. Any spaces should be replaced with underscores (e.g. The section that contains the header "JavaScript and Java" should have a corresponding `id="JavaScript_and_Java"`)
5. The `.main-section` elements should contain at least ten `p` elements total (not each)
6. The `.main-section` elements should contain at least five `code` elements total (not each)
7. The `.main-section` elements should contain at least five `li` items total (not each)
8. You can see a `nav` element with a corresponding `id="navbar"`
9. The navbar element should contain one `header` element which contains text that describes the topic of the technical documentation
10. Additionally, the navbar should contain link (`a`) elements with the class of `nav-link`. There should be one for every element with the class `main-section`
11. The `header` element in the `#navbar` must come before any link (`a`) elements in the navbar
12. Each element with the class of `nav-link` should contain text that corresponds to the `header` text within each `section` (e.g. if you have a "Hello world" section/header, your navbar should have an element which contains the text "Hello world")
13. When you click on a navbar element, the page should navigate to the corresponding section of the `#main-doc` element (e.g. if you click on a `.nav-link` element that contains the text "Hello world", the page navigates to a `section` element with that `id`, and contains the corresponding header)
14. On regular sized devices (laptops, desktops), the element with `id="navbar"` should be shown on the left side of the screen and should always be visible to the user
15. Your technical documentation should use at least one media query

Fulfill the user stories and pass all the tests below to complete this project. Give it your own personal style. Happy Coding!

**Note:** Be sure to add `<link rel="stylesheet" href="styles.css">` in your HTML to link your stylesheet and apply your CSS

At the bottom of the instructions, there are three buttons: 'Run the Tests (Ctrl + Enter)', 'Reset this lesson', and 'Get Help'.

## Prep untuk next session

1. Buat branch baru untuk tugas ke 3 ini: **dev/03-technical-documentation-page**
2. Di branch yang baru, buat folder: **03-Technical-Documentation-Page**
3. Commit dan push ke branch **dev/03-technical-documentation-page**
4. Buat Pull Request ke branch **main** dan kemudian **merge**

# To-Do untuk next session

02	Responsive Web Design	<ul style="list-style-type: none"><li>Responsive CSS</li></ul>	Sabtu, <b>12 Okt. 2024</b> 19:00 - 21:00 WIB	<b>Pre-read:</b> <ol style="list-style-type: none"><li><a href="#">Intro to responsive CSS</a></li><li>(Optional) <a href="#">Responsive CSS</a></li></ol> <b>Homework:</b> <ol style="list-style-type: none"><li><a href="#">freeCodeCamp: Technical Documentation Page</a></li></ol>
03	Responsive Web Design	<ul style="list-style-type: none"><li>Responsive CSS (cont.)</li></ul>	Sabtu, <b>19 Okt. 2024</b> 19:00 - 21:00 WIB	<b>Pre-read:</b> <ol style="list-style-type: none"><li><a href="#">Intro to CSS Variables</a></li><li><a href="#">CSS Animation</a></li></ol> <b>Homework:</b> <ol style="list-style-type: none"><li><a href="#">freeCodeCamp: Product Landing Page</a></li><li><a href="#">freeCodeCamp: Personal Website Portfolio</a></li></ol>

# Organisasi dan feedback

1. Reflection: how's the pace so far?
2. Team work: all good?
3. Feedback: <https://forms.gle/wNhpcvnzyy8gRosA8>