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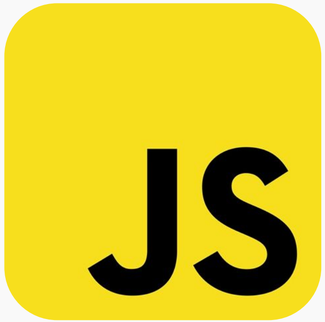
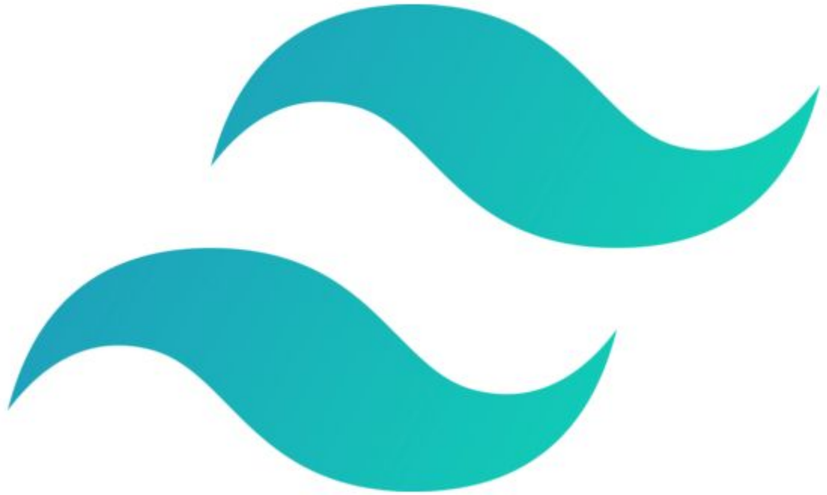
Learning 2

Tailwind CSS & Javascript ES6



Tailwind CSS

Utility-first CSS framework



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Utility-First Concept

- Satu class
- Styling langsung di *HTML*

```
<h1 class="text-3xl font-bold underline">
  Hello world!
</h1>
```

Core Utilities

- layout
- sizing
- spacing
- typography
- color

Pseudo Class Utilities

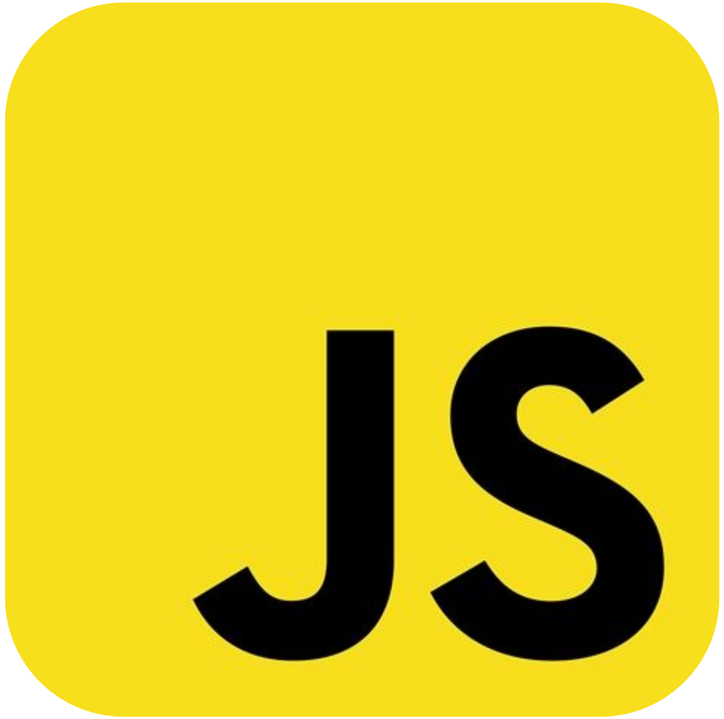
- hover
- focus
- active
- disabled
- focus-within
- group & group-hover

Responsive Design

Breakpoint prefix	Minimum width	CSS
`sm`	40rem *(640px)*	`@media (width >= 40rem) { ... }`
`md`	48rem *(768px)*	`@media (width >= 48rem) { ... }`
`lg`	64rem *(1024px)*	`@media (width >= 64rem) { ... }`
`xl`	80rem *(1280px)*	`@media (width >= 80rem) { ... }`
`2xl`	96rem *(1536px)*	`@media (width >= 96rem) { ... }`

Javascript ES6

Modern JavaScript for React



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Let & Const

- **let** → dapat berubah
- ***const*** → *tidak berubah*

```
const name = "Ello"
```

Arrow Function

```
const greet = () => {}
```

Destructuring

Mengambil data dari object atau array

```
const { name } = {name: "ello", age: 20}
const [angka1, angka2] = [1, 2, 3]
```

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Spread & Rest Operator

Spread → Menyebarkan

Rest → Sisa

```
const a = [1, 2];
const b = [3, 4];

const gabung = [...a, ...b];
```

Spread

```
const user = {
  name: "Ello",
  age: 20,
  role: "admin"
};

const { role, ...profile } = user;
```

Rest

Default Parameter

```
const perkalian = (x, y = 2) => {
  return x * y
}
```

for...of

```
const fruits = ["Apple", "Banana", "Orange"];
for (const fruit of fruits) {
  console.log(fruit);
}
```

Template Literals

```
const name = "Ello";

const text = `Halo ${name}`;
```

Promise & Async/Await

```
const janji = new Promise((resolve, reject) => {
  const sukses = false;

  if (sukses) {
    resolve("Berhasil!");
  } else {
    reject("Gagal!");
  }
});

const jalankanJanji = async () => {
  try {
    const hasil = await janji;
    console.log(hasil);
  } catch (error) {
    console.log(error);
  }
};

jalankanJanji();
```

Array Methods

- map
- filter
- find
- slice
- splice
- reduce

```
array.map(item => itemBaru)
array.filter(item => kondisi)
array.find(item => kondisi)
array.slice(start, end)
array.splice(start, deleteCount, item)
array.reduce((acc, cur) => accBaru, initialValue)
```

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Challenge! (FE Member Only*)

1. Refactor portofolio lama kamu dengan menggunakan *Tailwind CSS*
2. Minimal melakukan refactor satu section/page/components di portofolio
3. Bagi yang portofolio-nya sudah menggunakan *Tailwind CSS,* buatlah sebuah simple card yang berisi identitas kamu menggunakan *Tailwind CSS*
4. Kerjakan di repository portofolio lama atau buat di repository baru
5. Lakukan pull request ke Frontend Development GDGoC UNSRI 25/26 untuk memasukkan link repo github anda di folder /2-fundamentals/task.txt

Selamat Mencoba ~

Challenge (FE Member Only*)

Pelajari kembali tentang konsep dan implementasi Javascript ES6

- W3Schools
- WPU Course

Selamat Mencoba ~

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Thank You !