

DAY 19

Index.html

`<body>` Section

This part is **what users see on the screen**.

- `<section class="cards-wrapper">`

- A **container** that holds all the cards.
- Uses a **grid layout** to place the cards nicely.

Each Card (`<div class="card-grid-space">`)

This block is repeated **3 times** for the 3 cards.

- `<div class="num">01</div>`

- Shows the card number.

- ``

- A **clickable card**.
- It uses a **custom image** as background (Un.png, untitled.png, Untitle.png).

Inside the card:

- `<h1>Pomodoro Timer</h1>` → Title of the card.
- `<p>Focus better...</p>` → Short description.
- `<div class="date">10 July 2025</div>` → Date of the post.
- `<div class="tags"><div class="tag">Timer</div></div>` → Tag/category label.

Style.css

1. Fonts and Variables

```
@import url(...);
```

- Imports two fonts from Google: **Heebo** and **Open Sans**.

```
:root {
  --color: #3c3163;
  --transition-time: 0.5s;
}
```

- Defines **CSS variables** (reusable values):
 - `--color`: a dark purple for hover effects.
 - `--transition-time`: for smooth animation (0.5s).

2. General Reset and Page Setup

```
* {
  box-sizing: border-box;
}
```

- Ensures padding/margin don't affect size in weird ways.

```
body {
  margin: 0;
  min-height: 100vh;
  font-family: 'Open Sans';
  background: #fafafa;
}
```

- Resets body margin, sets font, light background, and full height.

3. Link Styling

```
a {
  color: inherit;
  text-decoration: none;
}
```

- Makes all `<a>` tags look like normal text (no underline or color change).

4. Card Layout Grid

```
.cards-wrapper {
  display: grid;
  grid-template-columns: 1fr 1fr 1fr;
  gap: 4rem;
  padding: 4rem;
}
```

- Makes a **grid layout** of 3 columns.
- Has spacing (`gap`) and padding.
- Cards are centered on the page.

5. The Blog Card Design

```
.card {
  background-image: linear-gradient(...) + background image;
  height: 20em;
  width: 15em;
  color: white;
  border-radius: 1em;
  display: flex;
  align-items: flex-end;
}
```

- The `background-image` includes a **dark overlay** + image.
- Sets **size, rounded corners, and text at bottom**.
- `box-shadow` adds a shadow.
- `transition` adds smooth effects on hover.

6. Card Hover Effect

```
.card:hover {
  color: var(--color);
}
```

- On hover, text turns purple (`--color`).

7. Inside the Card: Text Styling

```
.card h1, .card p {
  font-size, margin, line-height...
}
```

- Sets size, spacing, and font for titles and descriptions.

8. Tags (like “Timer”, “Game”)

```
.card .tags .tag {
  background: light white;
  border-radius;
  padding;
}
.card:hover .tags .tag {
  background: var(--color);
  color: white;
}
```

- Small label boxes that change color on hover.

9. Date Positioning

```
.card .date {
  position: absolute;
  top: 0;
  right: 0;
}
```

- Puts the date at the **top right corner** of the card.

10. Background Hover Ripple Effect

```
.card:before, .card:after {
  circular gradient animation...
}
.card:hover:before,
.card:hover:after {
  transform: scale(1);
}
```

- Creates a **soft ripple or glow effect** when you hover on a card.

11. Card Number Style

```
.card-grid-space .num {
  font-size: 3em;
  margin-left: 1rem;
}
```

- Big bold number above each card (01, 02, 03, etc.).

12. Responsive Design (Media Queries)

- Adjusts layout based on screen size:

For tablets (under 1285px):

```
.cards-wrapper {
  grid-template-columns: 1fr 1fr;
}
```

For phones (under 900px):

```
.cards-wrapper {
  grid-template-columns: 1fr;
}
```

For small phones (under 500px):

```
.card {
  max-width: 100%;
}
.cards-wrapper {
  padding: 2rem;
}
```

Script.js

```
document.addEventListener("DOMContentLoaded", () => {
```

- This line means:
“Wait until the whole webpage is fully loaded (HTML, CSS, etc.) before running the next lines of code.”

```
const cards = document.querySelectorAll(".card");
```

- It finds **all the cards** on the page (those with the class "card") and puts them in a list called `cards`.

```
const newImages = [
  "ea5421b4-ea8b-4b87-8490-7f2d422c1f67.png", // Pomodoro Timer
  "58dbc210-b347-4697-b175-14a18a79f7c4.png", // Word Scramble
  "4065ad5e-4f4a-43e4-911b-6e276c0b8793.png" // Profile Searcher
];
```

- This is a list of **new image file names** that you want to use for each card's background.

- The order matches your 3 cards:
 1. Pomodoro Timer
 2. Word Scramble
 3. GitHub Profile Search

```
cards.forEach((card, index) => {
```

- This goes through **each card one-by-one**.
- It also keeps track of its position (0 for first, 1 for second, etc.).

```
  const filePath = `/mnt/data/${newImages[index]}`;
```

- This creates the **full path** to the image file.
- **Example:** if `newImages[0]` is `"ea54....png"`, the full path becomes:
- `/mnt/data/ea5421b4-ea8b-4b87-8490-7f2d422c1f67.pn`

```
    card.style.setProperty('--bg-img', `url('${filePath}')`);
```

- This line **updates the background image** of the card.
- It sets the CSS variable `--bg-img` to use the new image URL.