LESSON 12



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Build a Portfolio

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HTML & CSS

LESSON 12

Project: Build and Publish a Portfolio

Planning, HTML structure, styling with grid and flex, a dark mode, and publishing on GitHub

Plan the Page

terminal

```
portfolio/
├── index.html
├── style.css
└── images/
    ├── me.webp
    └── project-1.webp ...
```

- Sketch the sections first: a header with your name and nav, a hero introduction, a projects …
- Create index dot html, style dot css and an images folder.

01

The HTML

index.html

```
<header class="site-header">
  <a class="logo" href="#">Mariam Ahmadi</a>
  <nav><a href="#work">Work</a> <a href="#contact">Contact</a></nav>
</header>
<main>
  <section class="hero"><h1>Web developer from Herat</h1></section>
  <section id="work" class="projects">
    <article class="card"><img src="images/project-1.webp" alt="Weather app">
      <h3>Weather App</h3><a href="...">View</a></article>
  </section>
</main>
```

- Use semantic elements: header, main with sections, and footer. Each section gets an id so …
- Projects are articles inside a section, each with an image, a title, a short description …

02

The CSS

style.css

```
*, *::before, *::after { box-sizing: border-box; }
:root { --brand: hsl(185 81% 35%); --bg: #fff; --text: #1d2b2f; color-scheme: light dark; }
@media (prefers-color-scheme: dark) { :root { --bg: #0f1a1c; --text: #e8f1f2; } }
body { margin: 0; font-family: system-ui; background: var(--bg); color: var(--text); }
.site-header { display: flex; justify-content: space-between; align-items: center; padding: 1rem 5vw; }
.hero h1 { font-size: clamp(2rem, 5vw + 1rem, 4rem); }
.projects { display: grid; grid-template-columns: repeat(auto-fit, minmax(260px, 1fr)); gap: 1.5rem; }
.card { transition: transform 200ms ease-out; }  .card:hover { transform: translateY(-4px); }
```

- Start with border-box, color variables and a dark mode. Use flexbox for the header and an …
- Add a fluid clamp heading and a gentle hover transition on the cards. Everything from this …

03

Publish on GitHub Pages

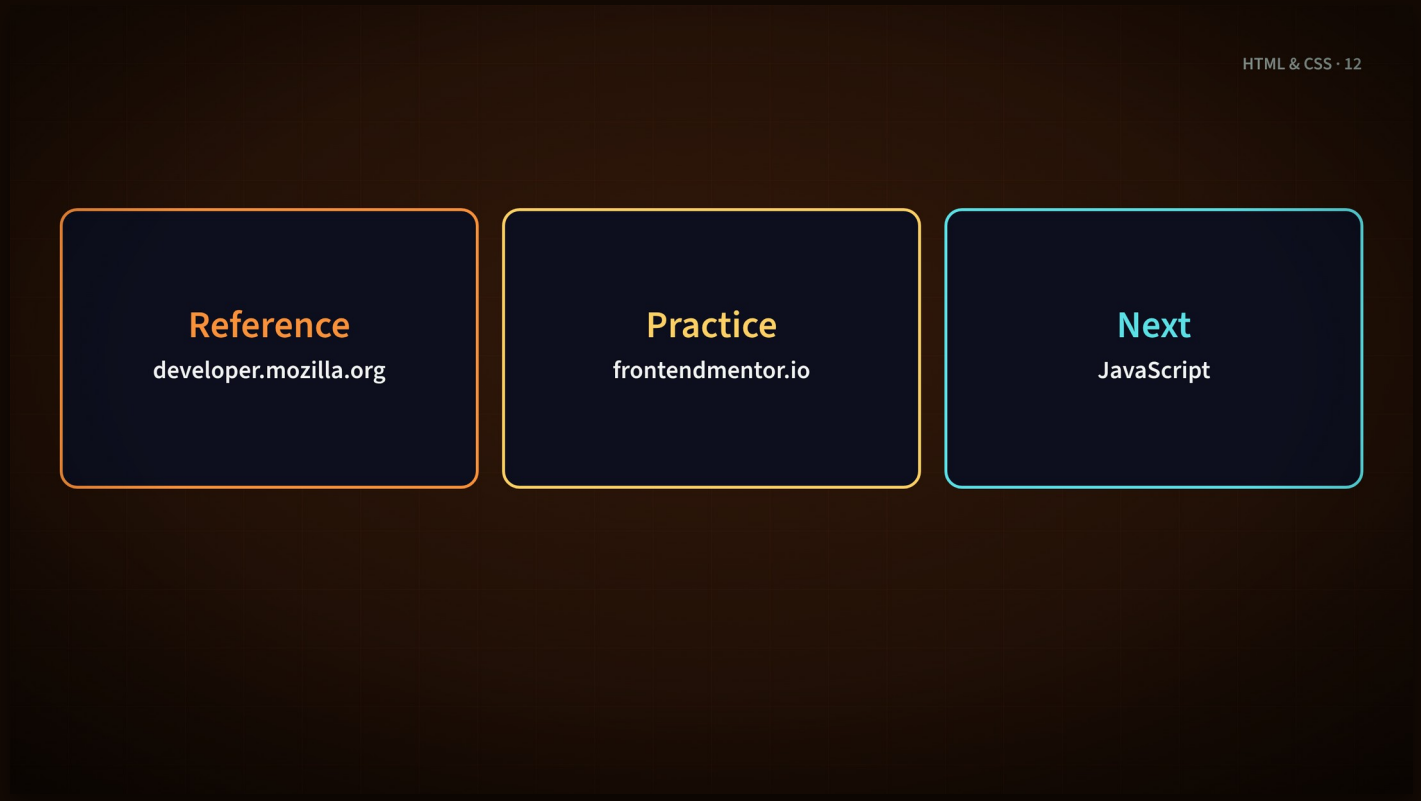
terminal

```
$ git init && git add . && git commit -m "My portfolio"
$ git branch -M main
$ git remote add origin https://github.com/mariam/mariam.github.io.git
$ git push -u origin main
# Settings → Pages → Deploy from branch: main
✓ Your site is live at https://mariam.github.io
```

- Create a GitHub repository, upload your files or push them with git, then turn on Pages in …
- In a minute your site is live at your username dot github dot io, free, with HTTPS.

04

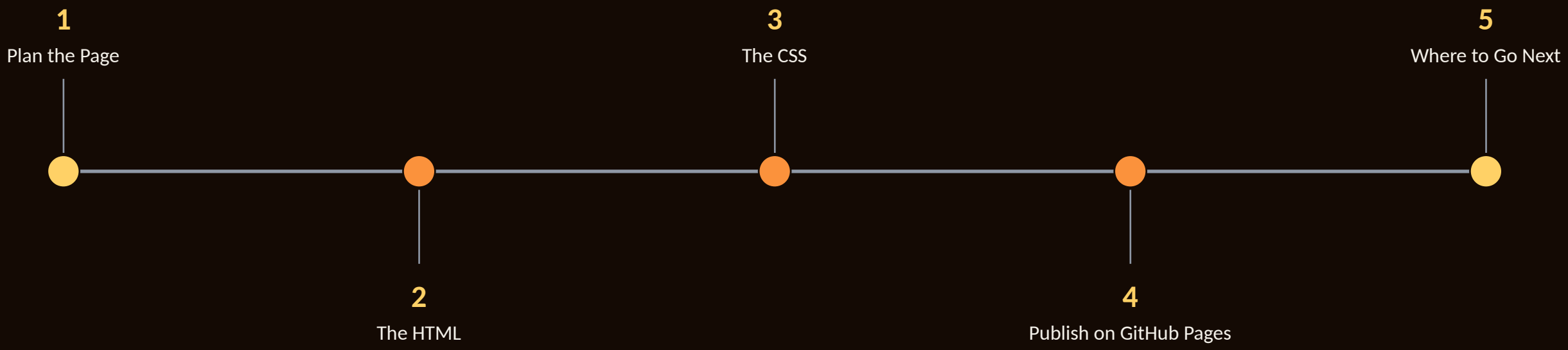
Where to Go Next



- Reference — developer.mozilla.org
- Practice — frontendmentor.io
- Next — JavaScript

05

Lesson Map


1
Plan the Page
2
The HTML
3
The CSS
4
Publish on GitHub Pages
5
Where to Go Next

Sources and Further Reading

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style.css

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Thank you for watching

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