Portfolio 2 — Reflection (Hilde-Kathrine Ljosland Vatne)

Student

- **Name:** Hilde-Kathrine Ljosland Vatne
- **GitHub:** (https://github.com/Entav78)
- **Portfolio Site:** (https://portfolio2hildevatne.netlify.app/)

Projects Overview

1. **CSS Frameworks** — Vite + vanilla JS with Bootstrap.
2. **JavaScript Frameworks (HildeShop)** — React + TypeScript + Tailwind.
3. **Semester Project 2 (TailFinder, resit)** — React + TypeScript + Tailwind + Zustand.

Each project includes:

- Live site
- Public GitHub repo with updated README
- One or more improvements completed for Portfolio 2

1) CSS Frameworks

Live: Live
Repo: css-frameworks-portfolio2
README: README.md

Goal & Scope (short)

- Practice using a CSS framework to layout a small social app (Noroff Social API).
- Focus on card grids, off-canvas nav, and a consistent single-post view.

What I improved for Portfolio 2

- Uniform card media sizing on Home/Profile pages (consistent grid heights).
- Simplified/cleaned nav; pointer cursor for all interactive elements.
- Single-post page: constrained hero image with aspect-ratio and lazy loading.
- Public routing build setup for Netlify (multi-page inputs in Vite + 200.html/_redirects).

Commits (with links):

- UI polish: unify card image sizes (home/profile), fix profile posts grid + header layout, add single-post responsive media, clean `styles.css` (scoped rules), add pointer cursors, and simplify Navigation. `35a56c6`

- feat(ui): bootstrap card grid + profile layout.
  1fec737
- feat(auth): skin login/register with Bootstrap cards + spacing.
  e68576b

Reflection (what I learned / trade-offs)

- Bootstrap is fast for layout but opinionated; I prefer Tailwind for long-term projects.
- The biggest visual win came from constraining **aspect-ratio** on card images.
- Multi-page Vite requires explicit inputs and Netlify fallbacks.

---

2) JavaScript Frameworks — HildeShop

Live: Live
Repo: Repo
README: README

Goal & Scope (short)

- Ecommerce storefront consuming Noroff API; search/sort, product detail, cart, checkout success, contact.

What I improved for Portfolio 2

- **Reliable routing on Netlify** using `public/_redirects` (`/* /index.html 200`).
- **React context split**: separated `CartContext` hooks from `CartProvider` component to remove Fast Refresh warnings and simplify tests.
- Tests updated to wrap with `CartProvider` only where needed.

Commit links (evidence):

- **Add Netlify SPA fallback (`_redirects`) / deep-link refresh**

  - Initial redirect: 70172d6
  - Follow-up fallback chore: cd7253c
  - Asset URL fix to keep SPA fallback working: 8a71432

- **Split cart context/provider + test updates**

  - Commits touching the `src/context` folder (introducing `cart.ts` + `CartProvider.tsx`):
    https://github.com/Entav78/jsfw-2025-hilde/commits/main/src/context
  - Test update after the split (import path fix): 00fc14a

Reflection

- The context split improved DX and testing isolation.
- Keeping SPA routing robust on hosts like Netlify is essential for deep links and refresh.

---

3) Semester Project 2 — TailFinder (resit)

Live: Live **Repo:** Repo **README:** README

Goal & Scope (short)

- Pet adoption app with auth, filters, paginated lists, image "reveal all" accessibility control.

What I improved for Portfolio 2

- **SEO & crawling**: added `robots.txt` (allow all) + `sitemap.xml` and `<link rel="sitemap">`.
- **Meta polish**: `<meta name="description">` + Open Graph/Twitter tags.
- Lighthouse SEO moved to **100** (Perf/Access/Best Practices remain high).

Commit links (evidence):

- **Add robots.txt, sitemap.xml, SPA rewrites, meta description** → 79d172a
- **Update README** → 872089c

Reflection

- Small SEO files (robots/sitemap) + meta description make a big difference.
- Accessibility feature ("Reveal All Images") remains a core UX choice.

Portfolio Site Notes

Live:
Repo:

Requirements checklist

- ☑ Homepage with three teaser cards.
- ☑ Thumbnails optimized (≤ 200 KB).
- ☑ Teaser text ≤ 120–130 chars.
- ☑ Each teaser links to an **article page**.
- ☑ Article page includes: title + copy link, hero image + caption, live site link (new tab), GitHub README link (new tab), main content.
- ☑ Personal GitHub profile link is public.
- ☑ README files updated for all three projects.

Tech line (welcome section)

React · TypeScript · Tailwind CSS · Bootstrap · Vite · Netlify · REST APIs

---

Submission (Moodle)

Include:

1. **Portfolio website link (live)**
2. **Personal GitHub profile**
3. **Links to all three repos**

4. **Links to all three live projects**
5. **This PDF reflection document**
6. **5-minute video presentation**

Presentation Script (outline)

1. **Welcome** — Who I am and what I build (React/TS, accessibility & performance focus).
2. **Portfolio tour** — Home page; tools line; quick card → article flow.
3. **Project 1** — Goal, one visual improvement (uniform cards), single-post hero tweak, quick demo.
4. **Project 2** — SPA routing fix on Netlify; context split; quick demo of cart & tests note.
5. **Project 3** — SEO + meta/robots/sitemap; accessibility "reveal images"; show Lighthouse.
6. **Wrap** — Where to find code, what I'd improve next, thanks.

Presentation video

- YouTube (unlisted): https://youtu.be/AjnNIuT9Z18
- The MP4 file is also attached in Moodle.