

Noah Hoff Website Documentation

1. Overview

This website serves as the complete online presence for Noah Hoff—a fullstack .NET developer student. It showcases not only my professional work and projects but also my personal interests and hobbies. The site is built with clean, semantic HTML, modern CSS styling, and interactive JavaScript features. It features:

- A responsive design that adapts to various devices.
- A fixed header and footer ensuring constant navigation.
- Multiple content sections including Home, About Me, CV, Projects, and Contact.
- An embedded CV in PDF format.
- Integrated photographs and multimedia elements to illustrate my hobbies (cooking, movie nights, casual gaming, and past climbing adventures).
- A dark/light mode toggle that updates the entire site's theme.

2. Technologies Used

- **HTML5:** For semantic structure and content.
- **CSS3:** For styling, responsive design, and theming using CSS variables.
- **JavaScript:** To manage interactive features such as the dark/light mode toggle.
- **Font Awesome:** For iconography used in navigation and UI elements.
- **PDF Embedding:** Utilizing the `<object>` element to display the CV.
- **Responsive Techniques:** Media queries and flexible layouts to ensure optimal viewing on any device.

3. Folder Structure

An example folder structure for the project is:

```
|— index.html           # Home page
|— about.html          # About Me page
|— cv.html              # CV page featuring an embedded PDF
|— contact.html         # Contact page with form/social details
|— projects/           # Folder for project pages
|   |— project1.html
|   |— project2.html
|— assets/              # Static assets for the site
|   |— images/          # Photographs
|   |— style.css         # Main stylesheet
|   |— scripts.js        # JavaScript file for interactivity
|— DOCUMENTATION.md     # This documentation file
```

4. Pages & Content

4.1 Home Page ([index.html](#))

- **Purpose:**
Acts as the gateway to the website, providing an introduction and navigation to all major sections.
- **Content:**
 - A welcoming message introducing who I am.
 - Navigation links or buttons leading to the About, CV, Projects, and Contact pages.
 - Possibly a featured project or announcement.

4.2 About Me Page ([about.html](#))

- **Purpose:**
Provides a comprehensive look into my background, personal interests, and lifestyle.
- **Content:**
 - A detailed biography highlighting my journey as a fullstack .NET developer student.
 - Sections on hobbies such as:
 - **Cooking:** With embedded images illustrating culinary adventures.
 - **Movie Nights:** Including details on watching and rating movies (along with a note about the upcoming movie database project with a 1–100 rating system).
 - **Casual Gaming:** Mentioned as an occasional leisure activity.
 - **Climbing:** Recounting my past passion for rock climbing.
 - Personal life insights, including living in Trångsund with my girlfriend and our cat, Luna.
 - Photographs embedded via `<figure>` and `<figcaption>` elements to visually support the text.

4.3 CV Page ([cv.html](#))

- **Purpose:**
Showcases my professional CV in an easily accessible format.
- **Features:**
 - The CV is embedded using the `<object>` tag to display a PDF.
 - The design ensures that the CV fills the available space between the fixed header and footer, allowing users to scroll through the document without nested scrollbars.

4.4 Projects Pages ([projects/](#))

- **Purpose:**
Highlight individual projects, detailing the technologies used, challenges faced, and solutions implemented.
- **Content:**
 - Each project page includes:
 - A project title and description.
 - Screenshots or embedded media.
 - Links to live demos or repositories.
 - Technical breakdowns of the tools and frameworks employed.

4.5 Contact Page (**contact.html**)

- **Purpose:**
Provides a way for visitors to reach out or connect.
- **Content:**
 - A contact form for direct messaging.
 - Social media links or email contact details.
 - Additional relevant information like location or professional networks.

5. Design & Layout

5.1 Header & Navigation

- **Header:**
 - Fixed at the top of the viewport.
 - Contains the site logo and a dark/light mode toggle switch.
- **Navigation:**
 - A clear menu providing links to Home, About, CV, Projects, and Contact.
 - Dropdown menus where necessary for multi-level navigation.
 - Designed to be responsive, adapting its layout for mobile and desktop views.

5.2 Footer

- **Footer:**
 - Fixed at the bottom to ensure constant visibility.
 - May include copyright information, additional links, or contact details.

5.3 Main Content Area

- **General Layout:**
 - The content is centered and constrained by a max-width for optimal readability.
 - Margins and paddings are adjusted to account for the fixed header and footer.
- **Responsive Design:**
 - Media queries are used to adjust typography, layout, and navigation on smaller screens.

5.4 Theming

- **Dark/Light Mode:**
 - The site uses CSS variables (e.g., `--bg-color`, `--t-color`, `--strong-color`) to manage colors.
 - JavaScript toggles classes on the `<body>` element to switch between dark and light themes seamlessly across the entire site.

6. CSS Structure

- **Global Reset:**

A universal reset using the `*` selector removes default margins and paddings.
- **CSS Variables:**

Defined in the `:root` selector and modified in a `.light-mode` class for easy theming.
- **Component Styling:**

Specific rules for header, navigation, main content, footer, images, and figures maintain consistency and visual appeal.
- **Responsive Adjustments:**

Media queries ensure that all elements are properly scaled and spaced on devices of various sizes.

7. JavaScript Functionality

- **Theme Toggle:**
 - Listens for changes on a checkbox or toggle element.
 - Dynamically adds or removes a class (e.g., `.light-mode`) on the `<body>` to update the CSS variables.
- **Navigation Enhancements:**
 - Implements interactive dropdowns.
 - May include additional future enhancements for smooth scrolling or mobile menu toggling.

8. Setup & Deployment

8.1 Local Development

1. **Clone or Download the Repository:**

Ensure that you have the full folder structure and assets locally.
2. **Open the Website:**

Use a local server (or simply open `index.html` in your browser) to test the website.
3. **Edit and Test:**

Modify HTML, CSS, and JavaScript files as needed. Refresh your browser to view changes.

8.2 Deployment

- **Static Hosting:**
Platforms like GitHub Pages, Netlify, or Vercel are ideal for hosting this static website.
- **Custom Domain:**
Optionally configure a custom domain and SSL for a professional presentation.
- **Build Tools:**
For advanced projects, consider using tools like Gulp or Webpack to optimize assets before deployment.

9. Future Enhancements & Roadmap

- **Movie Database Project:**
Integrate a custom movie database that allows users to rate movies on a 1–100 scale.
- **Additional Projects:**
Continuously update the Projects section with new work and case studies.
- **Enhanced Accessibility:**
Improve the site's accessibility with ARIA attributes and adherence to WCAG guidelines.
- **SEO & Performance:**
Optimize meta tags, image sizes, and code to improve SEO rankings and load times.
- **User Interactivity:**
Consider adding animations or interactive elements to further engage visitors.

10. Conclusion

This documentation outlines the full structure, design, and functionality of the Noah Hoff website. It is intended as a living document for both current maintenance and future enhancements. For any questions, contributions, or further details, please refer to the project repository or contact me directly.