

Task: Design an Advanced Footer for a Website

Overview

The objective is to design and implement a responsive, visually engaging footer for a website. The footer should reflect a professional and modern aesthetic and should serve multiple purposes beyond simply linking pages. It should include user-centric features and some dynamic elements.

Requirements

1. **Footer Structure:**
 - Design a multi-column layout, with sections like:
 - **Company Info:** Short company bio and links to "About Us," "Careers," and "Press."
 - **Quick Links:** Common links such as "Blog," "Services," and "Contact."
 - **Social Media Icons:** Use SVG icons for social media (e.g., LinkedIn, Twitter, Instagram, Facebook).
 - **Newsletter Signup:** An input box for users to subscribe to a newsletter.
 - **Additional Section:** Create an area for showcasing the latest blog post title and a thumbnail, with a hover effect for previewing a snippet.
2. **Interactive Features:**
 - Add a "Back to Top" button that becomes visible when the user scrolls down. It should smoothly scroll the user to the top of the page.
 - Integrate a theme toggle button in the footer (e.g., dark mode/light mode switch), and ensure that the theme applies consistently across all website sections.
 - Include subtle animations on hover for each link, social media icon, and interactive element to improve the user experience.
3. **Dynamic Content:**
 - Use JavaScript (or a front-end framework if applicable) to display the current year automatically for copyright information.
 - Implement a "last updated" feature that displays the date of the latest update to the website, pulled from a JavaScript variable.
4. **Styling:**
 - Use CSS Flexbox or Grid for layout, ensuring the footer adapts gracefully to different screen sizes.
 - Use custom CSS properties (variables) to manage the theme color, and ensure colors change smoothly on theme toggle.
 - Ensure the footer is accessible, with high contrast for readability and proper focus states for interactive elements.
5. **Responsive Design:**
 - Make sure the footer looks good on all screen sizes. On mobile, consider collapsing sections into accordions to save space.
 - Test and style the footer for both mobile-first and desktop views, ensuring it's visually appealing on both.

Additional Challenge:

Implement the footer as a reusable component, with options to customize content sections for various pages on the site. If working with a framework like React, this could mean creating a modular Footer component with props to dynamically adjust content for different sections of the website.

Technologies to Use

- HTML, CSS, JavaScript (or a framework of choice, if applicable)
- Font Awesome (or any icon library) for social media icons
- Optional: CSS preprocessor (e.g., SASS or SCSS) for managing styles if preferred

Deadline

November 11, 2024