

Checklist for front-end developers

General Best Practices

- ✓ Follow semantic HTML for proper document structure ([HTML5 Semantic Elements](#)).
- ✓ Ensure cross-browser compatibility ([Can I Use](#)).
- ✓ Optimize for performance and speed ([Google PageSpeed Insights](#)).

Visual & UI Accessibility

- ✓ Use relative units (em/rem/%) instead of fixed pixels (CSS Units Guide).
- ✓ Ensure sufficient color contrast (WebAIM Contrast Checker).
- ✓ Implement dark mode support (Dark Mode Best Practices).

Keyboard & Focus Management

- ✓ Ensure all interactive elements are keyboard accessible (Keyboard Navigation Guide).
- ✓ Use visible focus indicators on interactive elements (Focus Styles Guide).
- ✓ Provide skip links for better navigation (Skip Links Implementation).

ARIA & Assistive Tech Compatibility

- ✓ Use ARIA landmarks only when necessary (ARIA Authoring Practices).
- ✓ Implement aria-live regions for dynamic content updates (ARIA Live Guide).
- ✓ Test with screen readers (NVDA, VoiceOver).

Forms & Inputs

- ✓ Ensure all form elements have labels (ARIA Form Guidelines).
- ✓ Provide error messages with clear instructions (Accessible Form Validation).
- ✓ Enable autocomplete & validation (HTML Autocomplete Guide).

Performance Optimization

- ✓ Implement lazy loading for images and videos (Lazy Loading Guide).
- ✓ Use SVGs instead of PNGs where possible (SVG vs PNG).
- ✓ Minify and bundle CSS/JS for faster load times (CSS Minification Guide).

Testing & Validation

- ✓ Run automated accessibility checks (axe DevTools, Lighthouse).
- ✓ Test across multiple devices & screen readers (BrowserStack, NVDA).
- ✓ Validate HTML & CSS compliance (W3C Validator).

Final Check

- ✓ Ensure the site works without JavaScript (NoScript Testing).
- ✓ Test with real users to gather feedback (W3C Accessibility Testing).