Web Developer Technical Assessment

Estimated time required: 60 minutes

Task Overview

You will be optimizing and securing a live webpage for deployment, focusing on functionality, performance, and security.

Live webpage: https://article.oriclehearing.com/clearhearing

Required Tasks

1. Local Deployment Setup

Download the webpage and get it running locally:

- Download complete webpage and assets
- Fix all broken JavaScript references
- Ensure all resource paths are relative and functional
- Verify all images and resources load correctly

The page must function identically to the live version:

- All interactive elements work (buttons, forms, dropdowns)
- All hover states and animations function correctly
- Mobile menu and responsive features work properly
- Correct layout at all breakpoints (mobile, tablet, desktop)
- Touch interactions work on mobile
- No horizontal scrolling on mobile
- Forms submit correctly on all devices
- All JavaScript functionality works on both mobile and desktop

2. Performance Optimization

Focus on core loading performance:

- Implement proper resource loading strategies (defer/async for scripts)
- Remove unused CSS/JavaScript
- Fix render-blocking resources

3. Link Management

Replace product-related outbound links with www.click.example.com/click

- Links to modify:
  - Product pages
  - Category pages
  - Search results
  - Affiliate product links
- Links to leave unchanged:
  - Contact pages
  - Privacy policy
  - Terms of service
  - Support pages
  - Social media links
  - Legal documents

Example transformation: Original: <a href="https://livewebsite.com/product/123?sampletoken=123"> New: <a href="https://www.click.example.com/click">

4. Security Improvements

1. Remove Clickjacking Vulnerabilities
   - Look for and remove any vulnerable iframe implementations
   - Pay special attention to any embedded forms or payment interfaces
2. Remove Inline JavaScript
   - Move all JavaScript to external files
   - Example: Before: <button onclick="doSomething()">Click me</button> After: <button id="actionButton">Click me</button> And in external .js file: document.getElementById('actionButton').addEventListener('click', doSomething);

Submission

Submit your completed work through any of these methods:

- ZIP file
- Google Drive link
- Dropbox link
- GitHub repository link

Your submission should contain:

- Complete webpage with all assets
- Brief documentation of changes made
- Any notes on decisions made during implementation