

Website Test Plan: sgh5175.github.io

1. Overview

The purpose of this test plan is to outline the strategy and scope for testing the website <https://sgh5175.github.io/>.

Testing will focus on validating the core functionality, ensuring cross-device and cross-browser compatibility, evaluating user experience, confirming, and verifying that the website meets basic performance and security standards. The ultimate goal is to ensure a smooth, professional, and trustworthy user experience that aligns with the site owner's objectives.

This test plan serves as a guide for testers to systematically verify that all components of the site function as intended and to identify and document any issues prior to launch or promotional efforts.

2. Test Objective

To ensure that the website is fully functional, user-friendly, compatible across devices/browsers, loads efficiently, and is secure for users.

3. Test Scope

- Validate that all pages, links, forms, and interactive elements work as expected.
- Assess responsiveness on mobile and desktop devices.
- Evaluate load times and general performance.
- Verify basic SEO and accessibility features.
- Check for security vulnerabilities or bad practices.

4. Test Strategy

This section covers the main types of testing to be performed:

A. Functional Testing

- Verify all menu links and buttons are clickable and navigated correctly.
- Confirm contact form submits data properly.
- Check social media icons (if any) redirect correctly.
- Ensure all images and videos load properly.
- Verify in-page navigation or anchor links work.
- Ensure all files are visible and download properly.

B. UI/UX & Usability Testing

- Ensure all text is readable with appropriate contrast.
- Confirm visual layout is consistent across pages.

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- Validate mobile usability.
- Check for broken images or outdated content.

C. Compatibility Testing

- Test on modern browsers: Chrome, Safari, Firefox, Edge.
- Test on mobile and tablet devices: iOS, Android.
- Validate responsive display on various screen sizes.

D. Performance Testing

- Site should load in under 3 seconds on standard internet.
- Images should be optimized.
- Identify unused scripts or slow-loading resources.

E. Accessibility Testing

- Confirm use of ALT tags for images.
- Validate tab navigation.
- Test screen reader compatibility.
- Use tools like Lighthouse or WAVE.

F. Security Testing

- Ensure SSL certificate is active.
- Test contact form for spam protection.
- Ensure no personal data is exposed.
- Confirm platform is regularly updated.

5. Test Data

- Use valid and invalid inputs for form testing.
- Test on multiple devices and screen sizes.

6. Tools for Testing

- Chrome DevTools
- Lighthouse

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- WAVE (Accessibility Testing)
- Web Browsers (Chrome, Edge, Firefox, Safari)
- Cypress

7. Exit Criteria

- All critical functionality passes.
- No broken links or major layout issues.
- Mobile and desktop compatibility confirmed.
- Site loads in < 3 seconds.
- No major accessibility or security concerns.