

# Test Plan – Vilamoura Surfing Website

**Version:** 1.0

**Date:** 7-th October 2025

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**Project:** Personal Portfolio Website – *Vilamoura Surfing*

**Website:** <https://vilamourasurfing.netlify.app>

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## 1. Introduction

The purpose of this Test Plan is to define the scope, objectives, approach, and schedule of the testing activities for the *Vilamoura Surfing* website.

This project represents a personal portfolio website designed to showcase surf-related content, services, and visual media.

The primary goal of testing is to ensure that the website functions correctly across multiple devices and browsers, provides a smooth and intuitive user experience, and meets performance and accessibility standards.

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## 2. Scope of Testing

### In Scope

- Website functionality: navigation, contact form submission, call-to-action (CTA) buttons.
- UI/UX verification: layout, alignment, and visual consistency.
- Responsive behavior on desktop, tablet, and mobile.
- Cross-browser compatibility (Chrome, Firefox, Edge, Safari).
- Basic performance and accessibility testing using Lighthouse.
- API endpoint validation (if used in contact form) with Postman.

### Out of Scope

- Backend database testing (if not implemented).
  - Security and penetration testing.
  - Payment gateway integration (if not applicable).
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### 3. Objectives

- Verify all website components function as expected.
  - Ensure all UI elements are aligned and visually consistent.
  - Validate that navigation and interactive elements (buttons, forms) work properly.
  - Confirm that the site is fully responsive across devices.
  - Assess performance, accessibility, and SEO using automated tools (Lighthouse).
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### 4. Test Approach

Testing will be conducted manually and supported by automated analysis tools.  
The main focus areas include:

1. **Functional Testing** – Navigation links, buttons, and contact form.
2. **UI/UX Testing** – Layout, font consistency, and visual design.
3. **Responsive Testing** – Device adaptation using Chrome DevTools.
4. **Cross-Browser Testing** – Comparing behavior across Chrome, Firefox, Edge, and Safari.
5. **Performance & Accessibility Testing** – Using Google Lighthouse.
6. **API Testing (if applicable)** – Using Postman to verify form submission endpoints.

All functional test cases will be created and tracked in **Qase.io**.  
Bugs and issues will be documented with screenshots and descriptions.

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## 5. Test Environment

| Component    | Details   |
|--------------|---|
| Test URL     | <a href="https://vilamourasurfing.netlify.app">https://vilamourasurfing.netlify.app</a> |
| Devices      | Desktop, Tablet, Mobile   |
| Browsers     | Chrome (latest), Firefox (latest), Edge, Safari   |
| Tools        | Google Chrome DevTools, Lighthouse, Qase.io, Postman                                    |
| OS Platforms | Windows 11, macOS, Android, iOS   |

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## 6. Test Deliverables

- **Test Plan** (this document)
  - **Test Cases** (in Qase or Excel)
  - **Bug Reports** (with screenshots)
  - **Lighthouse Performance Report (PDF)**
  - **Final Test Summary Report**
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## 7. Entry Criteria

- Website is deployed and accessible online.
- All necessary assets (images, text, links) are available.
- Access to tools (Qase, Postman, Lighthouse) confirmed.

### Exit Criteria

- All planned test cases executed.
- No open critical or high-severity defects.

- Lighthouse performance and accessibility score  $\geq 90\%$ .
- Test report finalized and reviewed.

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## 8. Risks & Mitigation

| Risk                                   | Impact | Mitigation                                     |
|--|--------|--|
| Cross-browser rendering differences    | Medium | Use BrowserStack or manual multi-browser tests |
| Slow page load due to image size       | Medium | Optimize media files                           |
| Unresponsive layout on smaller devices | High   | Conduct thorough responsive testing            |
| Form submission issues                 | High   | Validate with Postman and browser console      |

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## 9. Schedule

| Phase       | Activity                            | Duration |
|-------------|-------------------------------------|----------|
| Planning    | Define scope and test objectives    | 1 day    |
| Test Design | Create test cases in Qase           | 1–2 days |
| Execution   | Perform manual & responsive testing | 2–3 days |
| Reporting   | Prepare Lighthouse and Test Report  | 1 day    |
| Review      | Summarize findings                  | 1 day    |

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## 10. Approval

| Name           | Role        | Signature | Date |
|----------------|-------------|-----------|------|
| Artem Ermolaev | QA Engineer |           |      |
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