**"E-Commerce Website Compatibility Testing Report"**

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**Version:** "1.0"

**Tags**: ["Compatibility Testing", "Web Development", "Browser Matrix", "HTML", "CSS", "JavaScript"]

**Description**: "A detailed compatibility testing report for an e-commerce website, including browser matrix, layout validation, and performance recommendations."

**Layout:** "report"

**Status**: "Final"

**Objective**

To ensure consistent layout, functionality, and performance of the website across major browsers and devices.

**Scope**

- ✅ In Scope: Header, slider, content, footer, and slick carousel

- ❌ Out of Scope: Legacy browsers (IE11 and below), offline mode

**Test Environment**

|  |  |
| --- | --- |
| **Environment**   1. Devices 2. Browsers 3. Testing tools | **Tools Used**   * Windows Pc, Android, Iphone, Ipad. * Chrome, Firefox, Safari, Edge. * Browser stack, web Dev tools. |

**Testing Methodology**

- Manual testing across real devices and emulators

- Functional checks, layout validation, and performance observation

- Accessibility and responsiveness review

**🧭 Browser Compatibility Matrix**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Browser** | **Version Tested** | **Device Type** | **OS** | **Results** | **Notes** |
| Chrome | 115+ | Desktop,Mobile | Windows,android | ✅ Pass | All sections rendered correctly |
| Firefox | 115+ | Desktop,Mobile | Windows,Android | ⚠️ Partial | Minor spacing issue in slider on mobile |
| Safari | 16+ | Mobile,Tablet | Ios | ⚠️ Partial | Header loads with delay |
| Microsoft Edge | 115+ | Desktop | Windows | ✅ Pass | Fully functional |

**Results Summary**

- ✅ Chrome and Edge: Fully compatible

- ⚠️ Firefox: Minor layout issue on mobile

- ⚠️ Safari: Delayed header load and occasional slider stutter

**Issues Identified**

- Synchronous `XMLHttpRequest` causing delays in Safari

- jQuery path needs verification

- Lack of semantic tags and ARIA roles

**Recommendations**

- Replace `XMLHttpRequest` with `fetch()` or `async/await`

- Add semantic HTML and accessibility features

- Host external HTML files properly or bundle them

**Conclusion**

The website performs well on most modern browsers. Minor issues on Safari and Firefox mobile should be addressed to ensure full compatibility.