6G4Z0024 - Web Development

Report for "Structured Website"

Usability and Accessibility Checklist

Name: Nisha Musoke

Student Number: 24795509

**Introduction**

The usability and accessibility features included in my "Structured Website" project for the Web Development module are described in this report. On the site, users can view available books and purchase them using their debit or credit cards, much like in any online bookshop.

I made certain that people with different needs and devices could access the project by developing it carefully using essential web development skills. The website offers five important features to ensure accessibility and ease of use.

All features are explained clearly, proven with evidence, and help enhance the user’s experience. They show how the industry best practices for web accessibility are applied and meet the requirements mentioned in the brief.

1. **Responsive Design for Multiple Devices**  
   The website’s content is adjusted based on the size of the screen. On a desktop, books are arranged in two columns, but on a mobile phone, they are shown in one column. Users can access the content on any device they have.

A screenshot of a book

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

The desktop layout maximises screen space by displaying books in a two-column grid format. This allows users to see more content at once on larger screens, improving browsing efficiency

On mobile devices, the layout automatically adjusts to a single column design, ensuring that content remains readable without horizontal scrolling. Images and text are properly scaled to fit the smaller screen while maintaining accessibility.

2. **Hamburger Menu for Mobile Navigation**  
To save space on mobile devices, a hamburger menu (☰) is used to keep the navigation accessible. It uses modern web design, which means people will find it easy to use on any screen.

A black and white symbol

AI-generated content may be incorrect.

The hamburger icon is a good way to display navigation options without using much space.

A screenshot of a website

AI-generated content may be incorrect.

When you click on the hamburger menu, all the navigation options are shown in a neat dropdown. With this approach, all parts of the site are accessible on mobile devices without making the interface crowded.

3. **Clear Form Validation Feedback**

When users enter wrong credit card details, the form shows specific errors in red text, telling them what to correct. This feature allows users to spot and correct any errors easily, which enhances the entire payment experience.

A screenshot of a credit card

AI-generated content may be incorrect.

4. **Logical Tab Order in Forms**  
The payment form elements are organised in a clear, logical sequence that follows the standard information flow found on debit/credit cards:

A screenshot of a credit card

AI-generated content may be incorrect.

The form presents input fields in a natural completion order:

* Card number field at the top
* Expiration date fields (month and year dropdowns) in the middle
* Security code field below
* Continue button at the bottom

This makes it easier for users to complete the form by following a logical sequence, which improves the user experience and helps more people complete it. The design makes it easy for users to follow the steps for payment.

5. **High Contrast Design**  
The website is designed so that people with visual disabilities can also use it, meeting the WCAG standards. This method allows people with visual impairments and others to benefit from the content.

A book on a white background

AI-generated content may be incorrect.

Multiple contrast elements including dark text on light background and distinct call-to-action button.

A red rectangle with white text

AI-generated content may be incorrect. High contrast button with white text on red background exceeds WCAG contrast guidelines.

A close-up of a sign

AI-generated content may be incorrect.

Navigation with active page highlighted in contrasting colour for improved visibility