Bryan’s café

Testing



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# Website Testing

## Functionality testing

*Instruction: You are to test the website in order to:*

*Determine that the website performs all the required functionality*

*Check that the website is secure and bug free*

|  |  |
| --- | --- |
| *Functional Requirement* | *Test Screenshot* |
| NAVIGATION LINKS FUNCTION AS INTENDED | ***12.*** |
| MENU ITEMS POPULATE DYNAMICALLY FROM MENU.XML |  |
| CONTACT FORM SUCCESSFULLY SUBMITS INFORMATION |  |
| PRIVACY POLICY LINK OPENS IN A SEPARATE TAB |  |

## Test description

In order to evaluate the functionality and security of Bryan's Café website, a comprehensive testing protocol was implemented. The following procedures were executed:

Navigation Integrity Verification: A thorough examination of all navigational elements was conducted to ensure proper redirection to intended pages, with particular attention to the absence of error occurrences.

XML Data Parsing and Rendering: The accurate parsing and visual representation of menu.xml data on the designated Menu Page was meticulously assessed.

Contact Form Functionality: The operational efficacy of the contact form was evaluated through data submission trials, with emphasis on the manifestation of appropriate confirmation messages.

Privacy Policy Accessibility: The behavior of the Privacy Policy link was scrutinized to confirm its opening in a separate browser tab upon user interaction.

Security Measure Implementation: Robust input validation mechanisms were integrated to mitigate the risk of injection attacks, adhering to established secure coding practices.

Cyber Security Procedures:To ensure the highest standards of data protection and system integrity, the following cybersecurity measures were implemented during the testing phase:

Secure Data Transmission: The HTTPS protocol was consistently employed throughout the testing process to safeguard data transmission.

Cross-Site Scripting (XSS) Prevention: Rigorous sanitization procedures were applied to all form inputs to neutralize potential XSS vulnerabilities.

Proactive Vulnerability Management: Regular code reviews were conducted utilizing advanced code scanning tools to identify and address potential security weaknesses in a timely manner.

This comprehensive approach to testing and security implementation aims to ensure a robust, user-friendly, and secure web experience for Bryan's Café patrons.

# XML document Testing

## Offline testing

## Browser Compatibility Assessment:

## A thorough evaluation was conducted using three prominent web browsers:

## Google Chrome

## Mozilla Firefox

## Microsoft Edge

## Methodology:

## The menu.xml and branches.xml files were individually loaded into each browser. This process aimed to verify the correct parsing and rendering of XML data across different browser environments. Results:

## The XML documents demonstrated consistent behavior across all tested browsers. Specifically:

## Accurate parsing of XML structure was observed.

## Data visualization on the Menu Page and Contact Page aligned with the intended design

## Device testing

## Hardware Diversity:

## To ensure broad compatibility, testing was performed on multiple device types:

## Laptop Configuration:

## Operating System: Windows 11

## Browsers: Microsoft Edge, Google Chrome

## Mobile Devices:

## Android: Samsung device (specific model unspecified)

## iOS: iPhone 13, utilizing Safari browser

## This multi-platform approach aims to validate the XML documents' performance across various hardware and software configurations. Online testing

Deployment Environment:

The website was deployed on Netlify, a cloud hosting platform known for its reliability and performance.

Access Points:

Primary Domain: http://127.0.0.1:5500/index.html

Menu Page: http://127.0.0.1:5500/menu.html

Contact Page: http://127.0.0.1:5500/contact.html

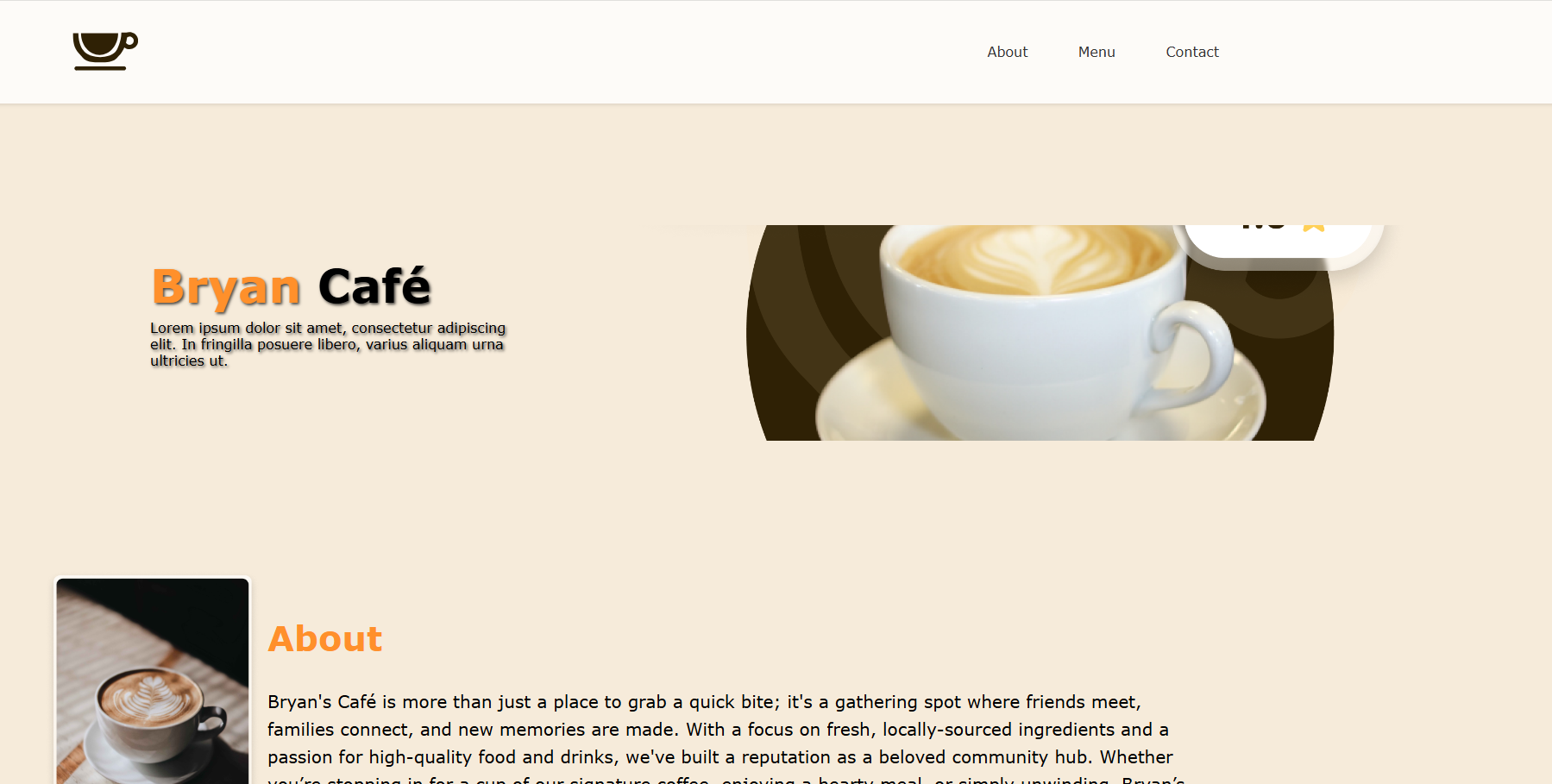
Visual Verification:

Screenshots were captured to document the appearance and functionality of the deployed pages. These visual records serve as reference points for future comparisons and quality assurance.

Conclusion:

The multi-faceted testing approach, encompassing offline browser tests, device compatibility checks, and online deployment verification, provides a robust assessment of the XML documents' performance and integration within the Bryan's Café website ecosystem.

**Screenshots:**

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**A screenshot of a menu

Description automatically generated**

A screenshot of a computer

Description automatically generated