Website Enhancement Report

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1. Website Background Information

Jim’s Clothes Closet is a reputable clothing shopping destination for men, with over 50 years of experience in the industry. The business operates five physical locations across British Columbia and maintains a thriving online store. The primary objective of the website enhancement project is to augment the existing static content with dynamic features to offer users a more engaging and interactive shopping experience.

2. Features Added

The following features have been added to the website:

Search and Filter for Products:

Implemented a robust search and filter functionality to facilitate efficient product discovery. Users can navigate through the extensive product range based on categories, sizes, styles, and other relevant filters.

Google Form Integration for Measurement Form:

Integrated Google Forms to streamline the scheduling of appointments for personalized fittings. Users can conveniently access and submit measurement forms, allowing Jim's Clothes staff to provide tailored assistance and recommend custom suits based on individual preferences.

JSON Data Integration for Product Details:

Utilized JSON data to dynamically showcase product details on the website. The JSON file contains structured information such as title, description, image URL, and price for each product. By fetching and displaying this data dynamically, the website ensures real-time updates and efficient management of the product catalog.

Modal Integration for List Items with Dynamic Data:

Implemented a modal popup feature for list items with dynamic data. Upon clicking on each list item, a modal open, displaying the selected list's dynamic data, including product image and description.

3. JavaScript Techniques Used

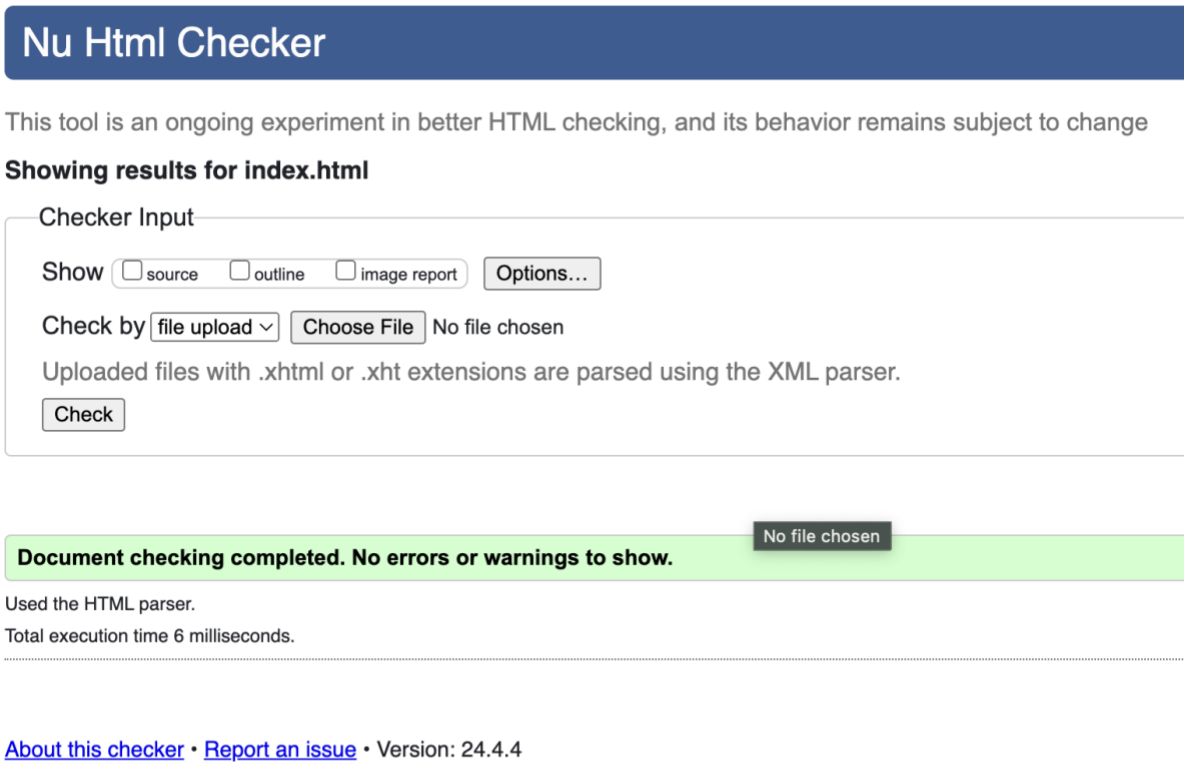
JavaScript techniques employed in implementing the features include:

- Event listeners to execute code when the DOM content is loaded and to trigger filtering based on user input.
- Utilization of arrays and array methods such as filter and forEach for managing product data and displaying filtered products.
- Dynamic creation of HTML elements using createElement and manipulation of their attributes and content.
- Integration of modal functionality for displaying dynamic data when list items are clicked.
- Implemented pagination and toggle feature to show full content and hide it

4. HTML and CSS Validation Results

The HTML and CSS documents were validated using appropriate online validation tools, ensuring adherence to web standards and best practices. No validation errors were reported, indicating the code's compliance with HTML and CSS specifications.

Index.html file



custom-suit.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for custom-suit.html

Checker Input

Show ☐ source ☐ outline ☐ image report Options…

Check by file upload Choose File No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 6 milliseconds.

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as CSS level 3 + SVG !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that
your Web page:

```
<p>
    <a href="http://jigsaw.w3.org/css-validator/check/referer">
        <img style="border:0;width:88px;height:31px"
            src="http://jigsaw.w3.org/css-validator/images/vcss"
            alt="Valid CSS!" />
    </a>
</p>
```

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">
    <img style="border:0;width:88px;height:31px"
        src="http://jigsaw.w3.org/css-validator/images/vcss-blue"
        alt="Valid CSS!" />
    </a>
</p>
```

(close the img tag with > instead of /> if using HTML <= 4.01)

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sites and apps that use the latest Web standa

5. Browser Testing Results

Extensive browser testing was conducted across various browsers and devices to ensure optimal compatibility and functionality. The website was tested on popular browsers including Google Chrome and Safari, responsive design testing was performed on different screen sizes to confirm seamless user experience across devices.

Tested on:

MacBook Air M2 /Safari 16.5 (18615.2.9.11.4)

MacBook Air M2 /Chrome 123.0.6312.87

6. Project Work Experience

It took approximately 20 hours to complete the project.

From the project work, I learned the following:

- Through this project, I gained practical experience in implementing dynamic features using JavaScript.
- I learned how to integrate Google Forms with web applications for data collection and processing.
- This project enhanced my skills in HTML, CSS, and JavaScript, particularly in DOM manipulation and event handling.
- I developed a better understanding of client-side scripting and its importance in creating interactive web experiences.

Helpful resources for completing the project :

- https://www.freecodecamp.org/news/how-to-manipulate-the-dom-beginners-guide/
- https://www.w3schools.com/howto/howto_css_modals.asp
- https://medium.com/@itsanuragjoshi/pagination-vs-infinite-scroll-vs-load-more-data-loading-ux-patterns-in-react-cccd261d3984#:~:text=Instead%20of%20displaying%20pagination%20controls,posts%20using%20the%20spread%20operator.

Difficulties encountered during the project:

- Overcoming the same-origin policy issue while integrating Google Forms for the measurement form.
- Resolving cross-browser compatibility issues during testing.

Other comments and suggestions:

- Consider exploring alternative methods for integrating the measurement form to address the same-origin policy issue.
- Continuously monitor and optimize website performance to ensure optimal user experience.