

GROUP ASSIGNMENT

**LEVEL 4**

**COMP40004:**   
WEB DEVELOPMENT AND OPERATING SYSTEMSII

Hand Out Date:

Hand In Date: 9th August 2024

**INSTRUCTION TO CANDIDATES**

1. **Students are advised to comply referencing with Harvard Referencing Style. Preferably, use Mendeley or EndNote.**
2. **Late submission will be awarded zero (0) unless extenuating circumstances (EC) are upheld.**
3. **Cases of plagiarism will be penalized.**
4. **The assignment should be submitted as softcopy via LMS**

## Introduction

This report Is mainly focused on designing the functionality of the website which was specifically designed for a client named “Grocies Supermarket “To complete this project we primarily used Java script to improve the functionality of this website and then this report will mostly talk about the testing of this website based on different aspects like Functionality testing, Accessibility testing using wave, HTML validation, CSS validation and Lighthouse testing.

For these above-mentioned testing was done using tools which were free on the internet

* HTML validation: <https://validator.w3.org/>
* CSS validations: <https://css-validator.org/>
* Accessibility testing: <https://wave.webaim.org/>
* Lighthouse testing : tool in the chrome Brower
* Functionality testing : this test was done using the excel sheet with the test cases

## HTML Validations

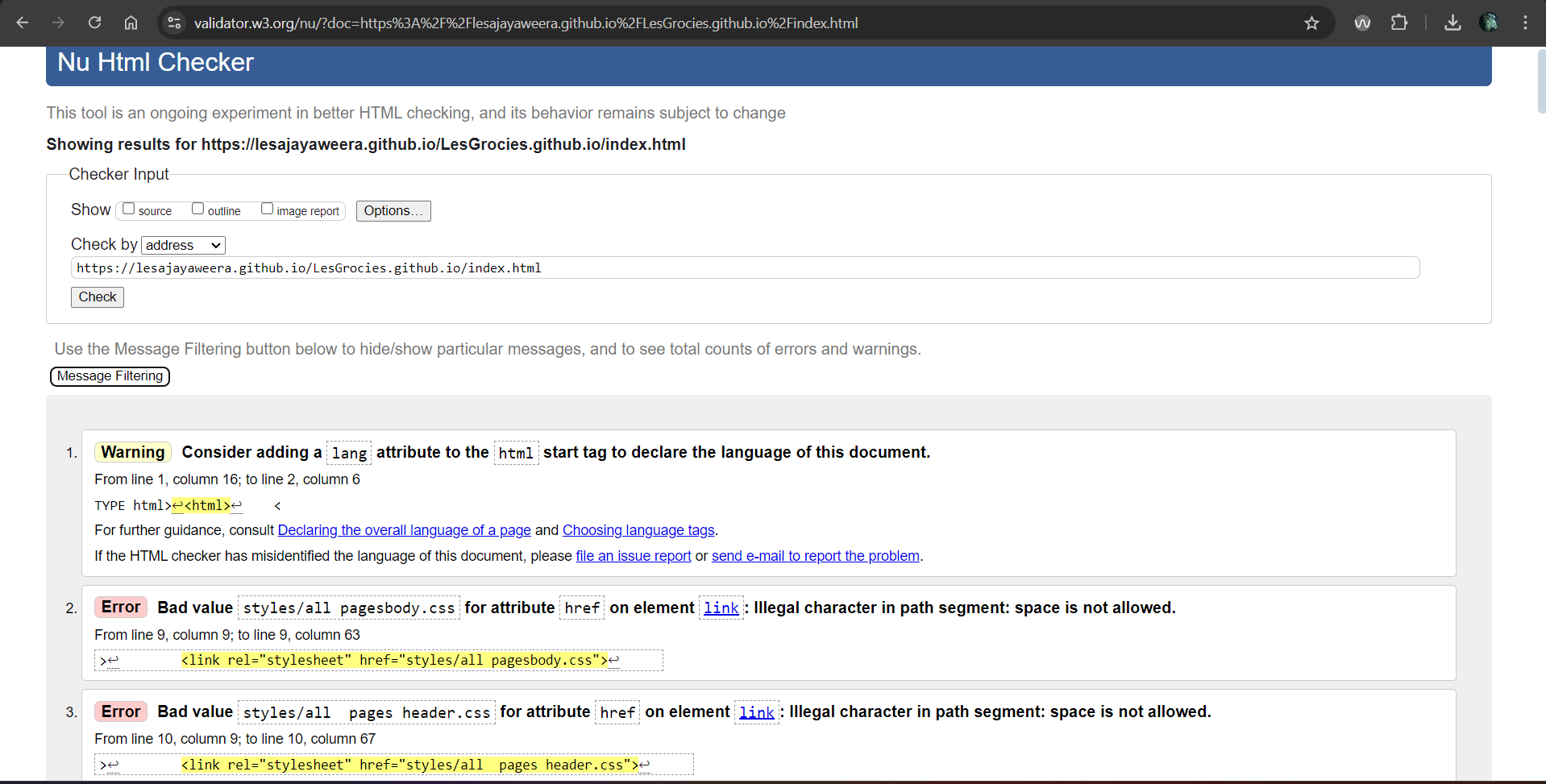


Figure 1: home page HTML validations

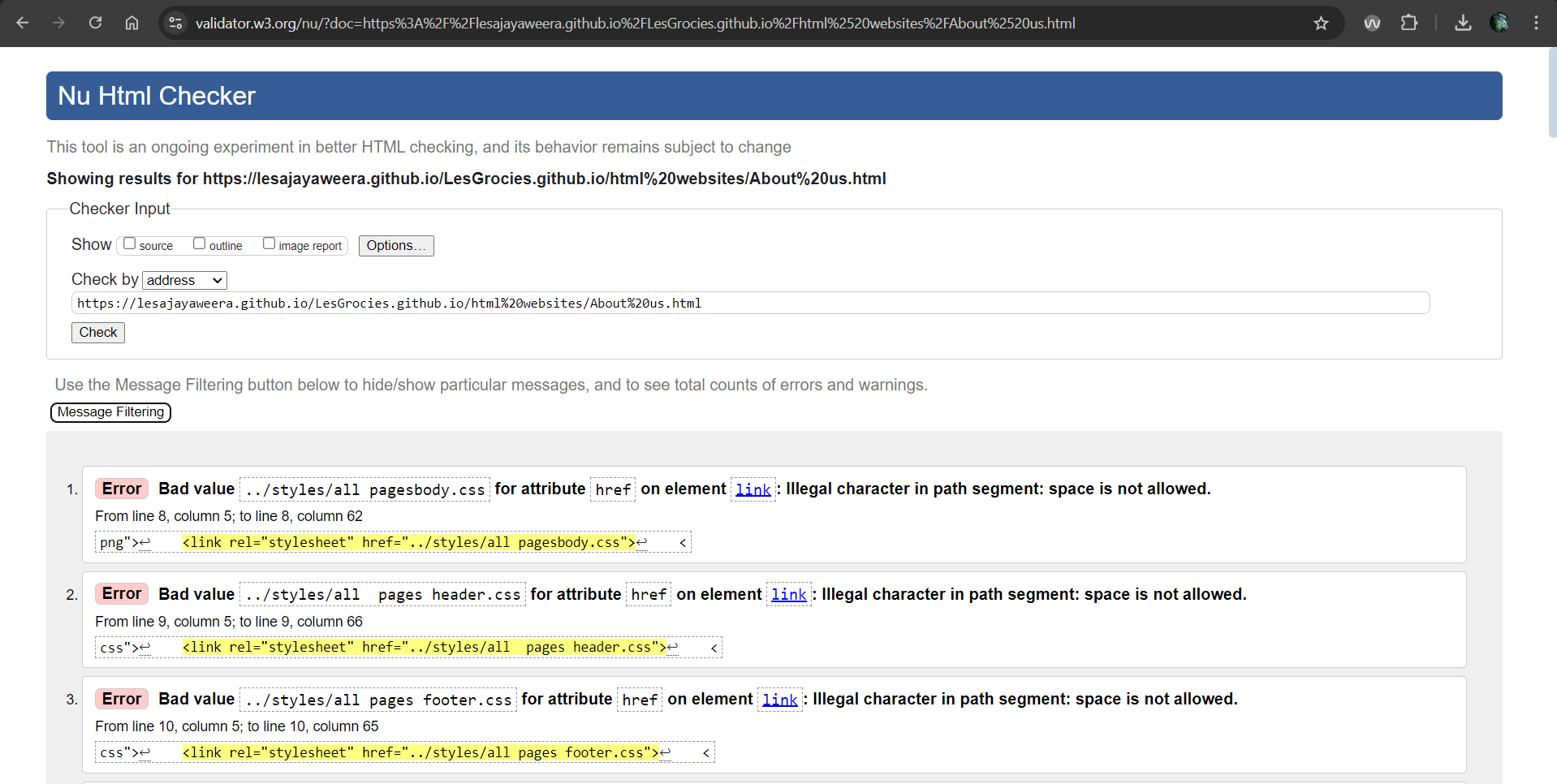


Figure 2 About us page HTML validations

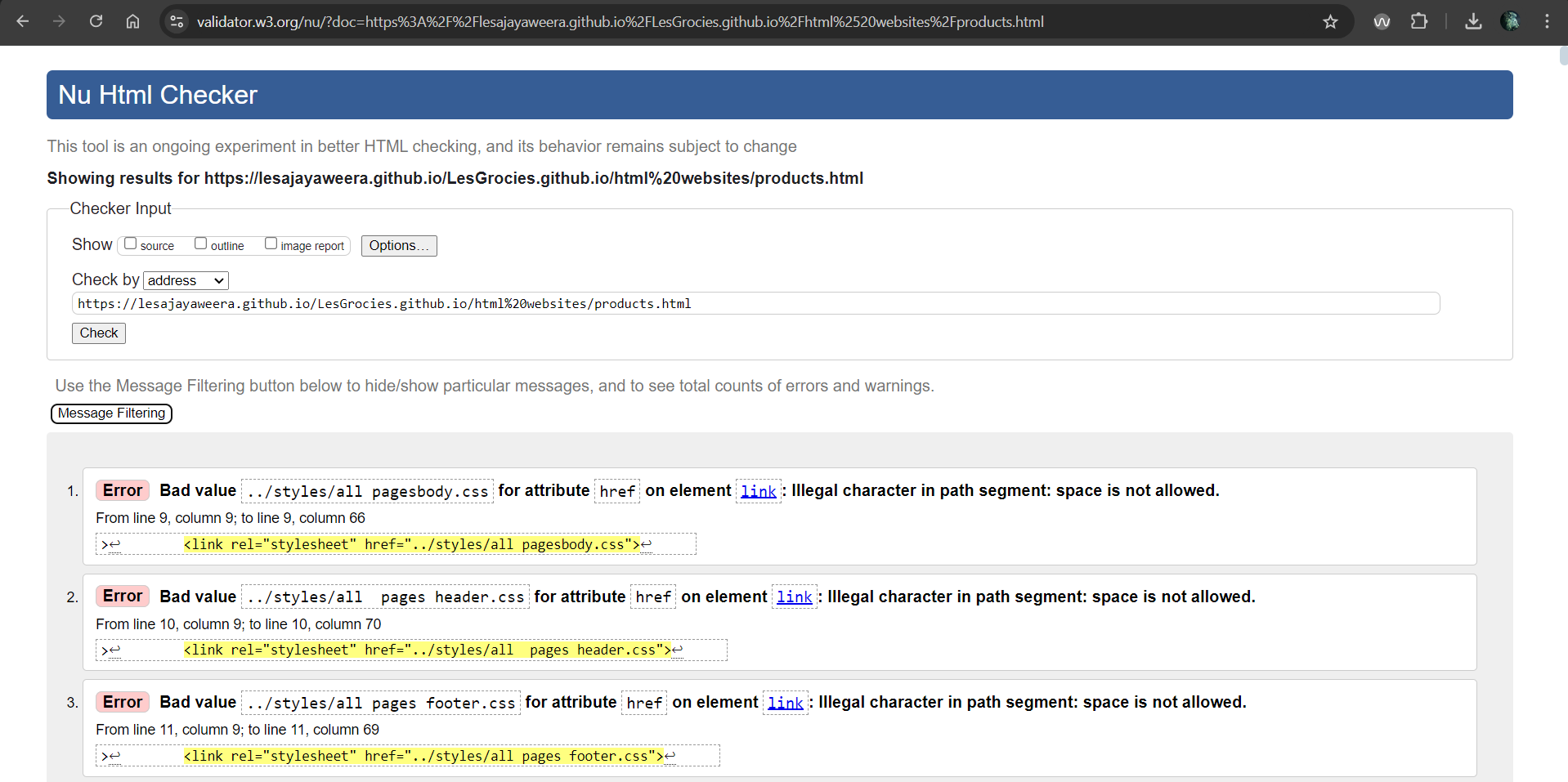


Figure 3 Products page HTML validations

A screenshot of a computer

Description automatically generated

Figure 4 Vegetable HTML validations

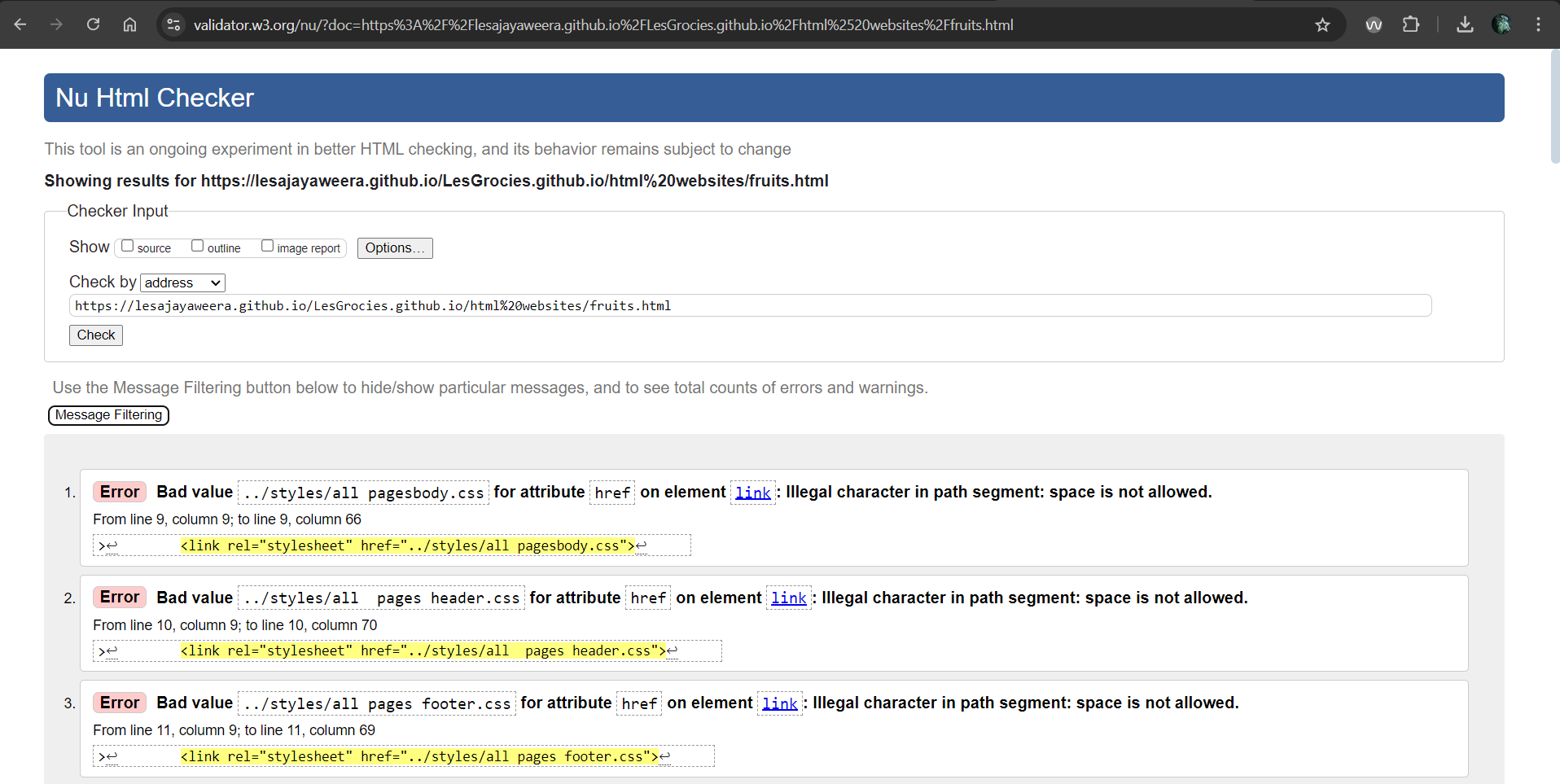


Figure 5 Fruits HTML validations

A screenshot of a computer

Description automatically generated

Figure 6 Dairy HTML validations

A screenshot of a computer

Description automatically generated

Figure 7 Cosmetic HTML validations

A screenshot of a computer

Description automatically generated

Figure 8 Fish HTML validations

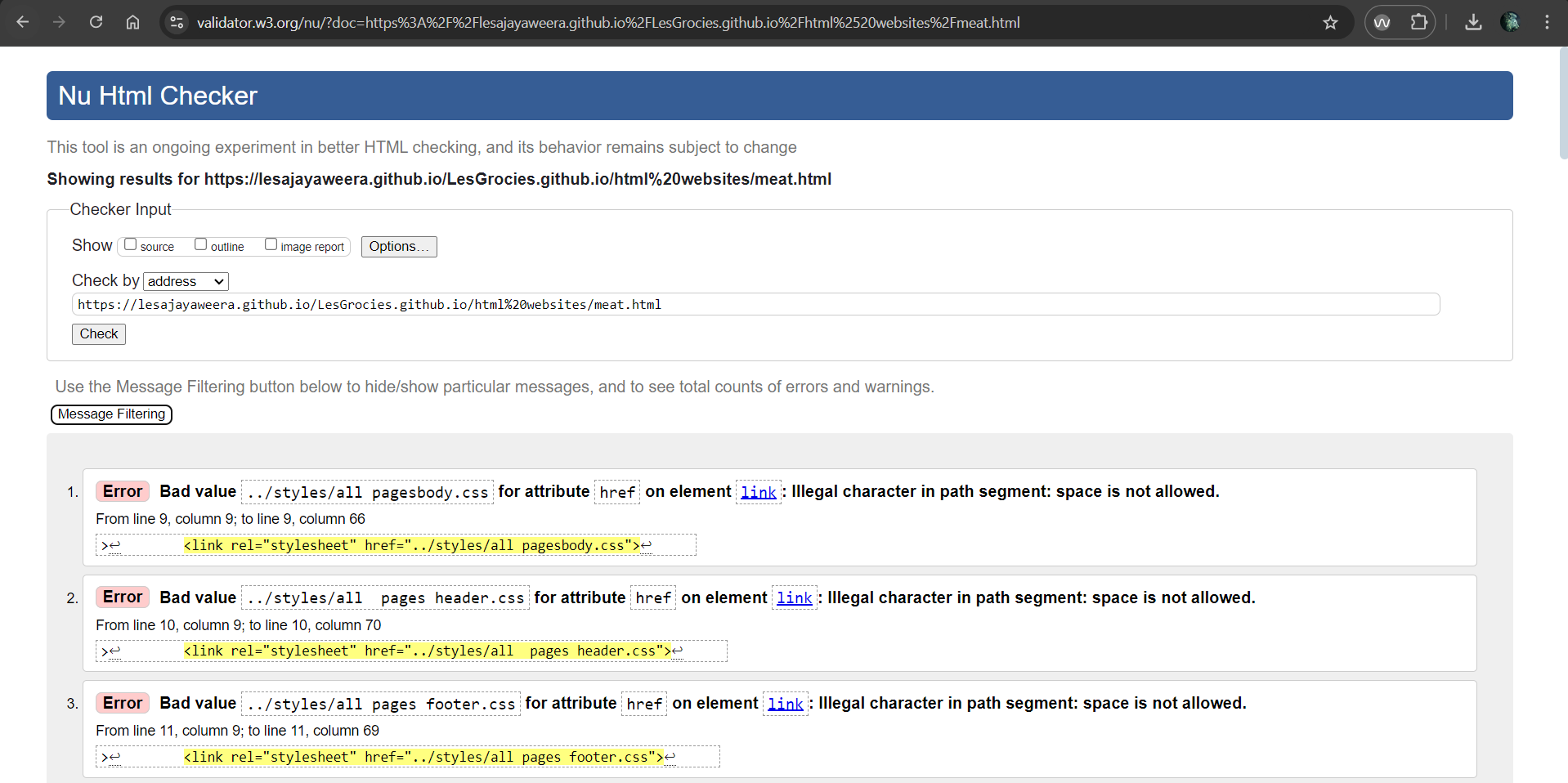


Figure 9 Meat HTML validations

A screenshot of a computer

Description automatically generated

Figure 10 Baking and cooking HTML validations

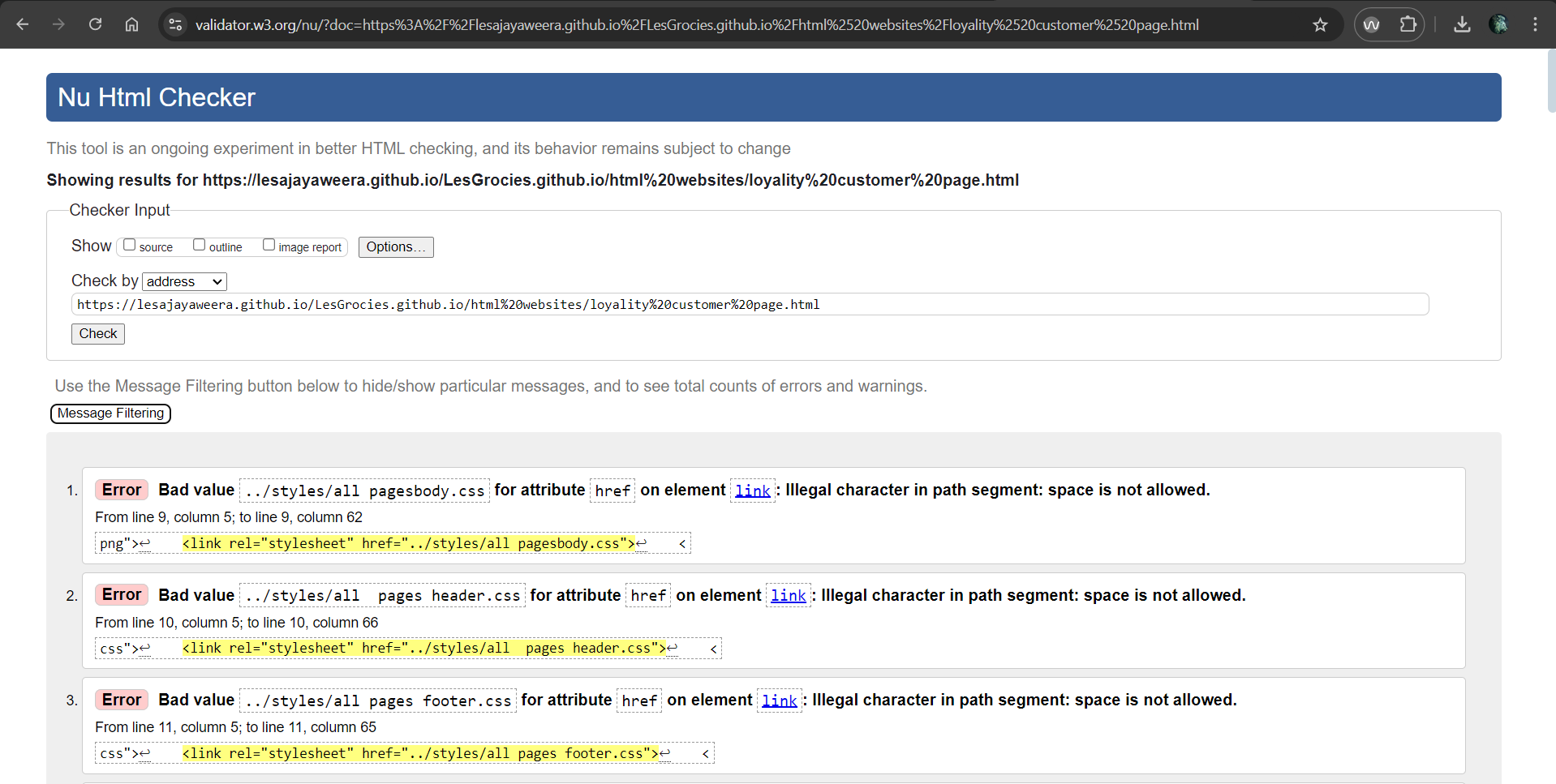


Figure 11 Loyalty HTML validations

A screenshot of a computer

Description automatically generated

Figure 12 Order HTML validations

A screenshot of a computer

Description automatically generated

Figure 13 Checkout HTML validations

## CSS Validations

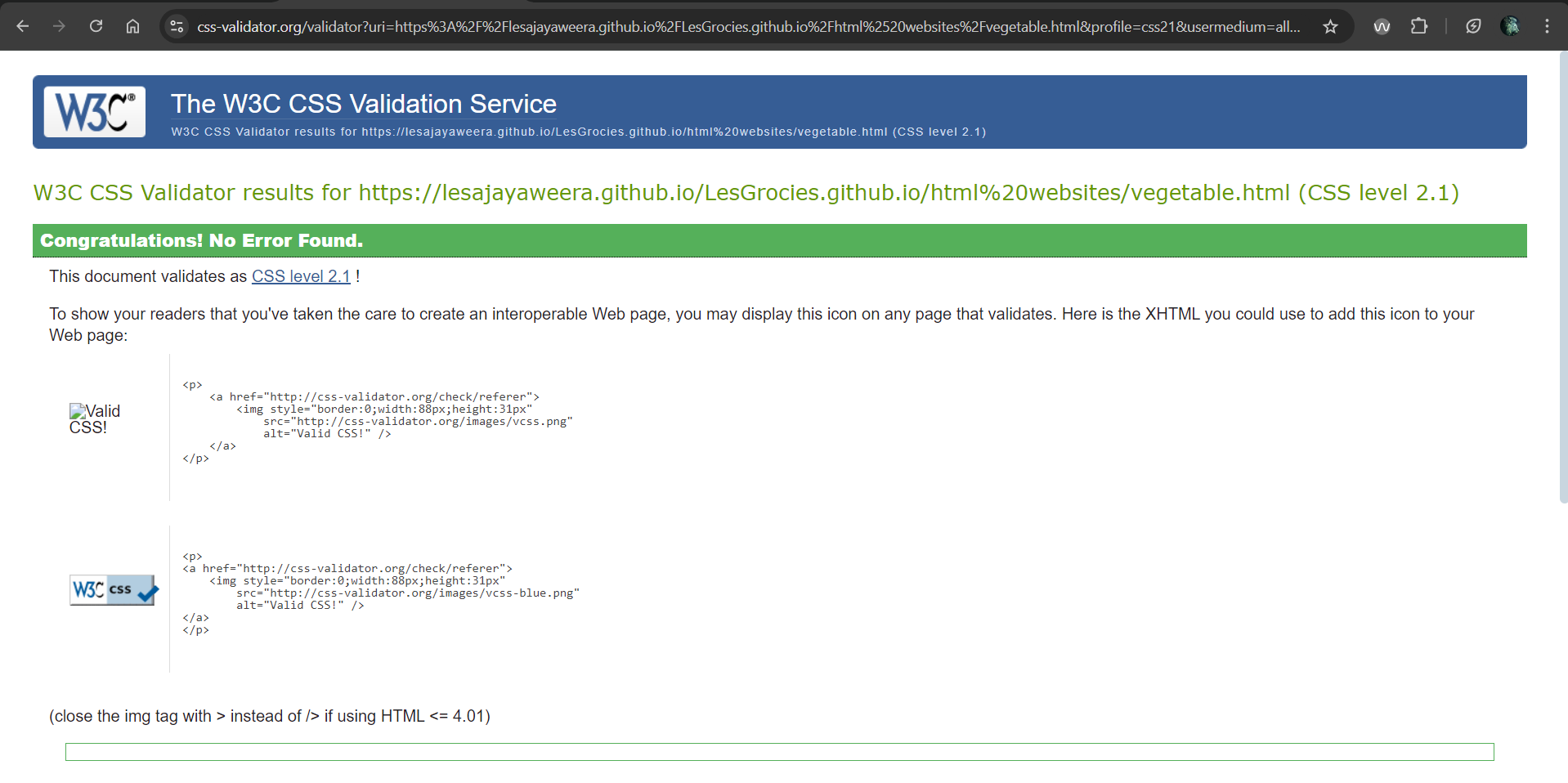


Figure 5 veegtables css validation

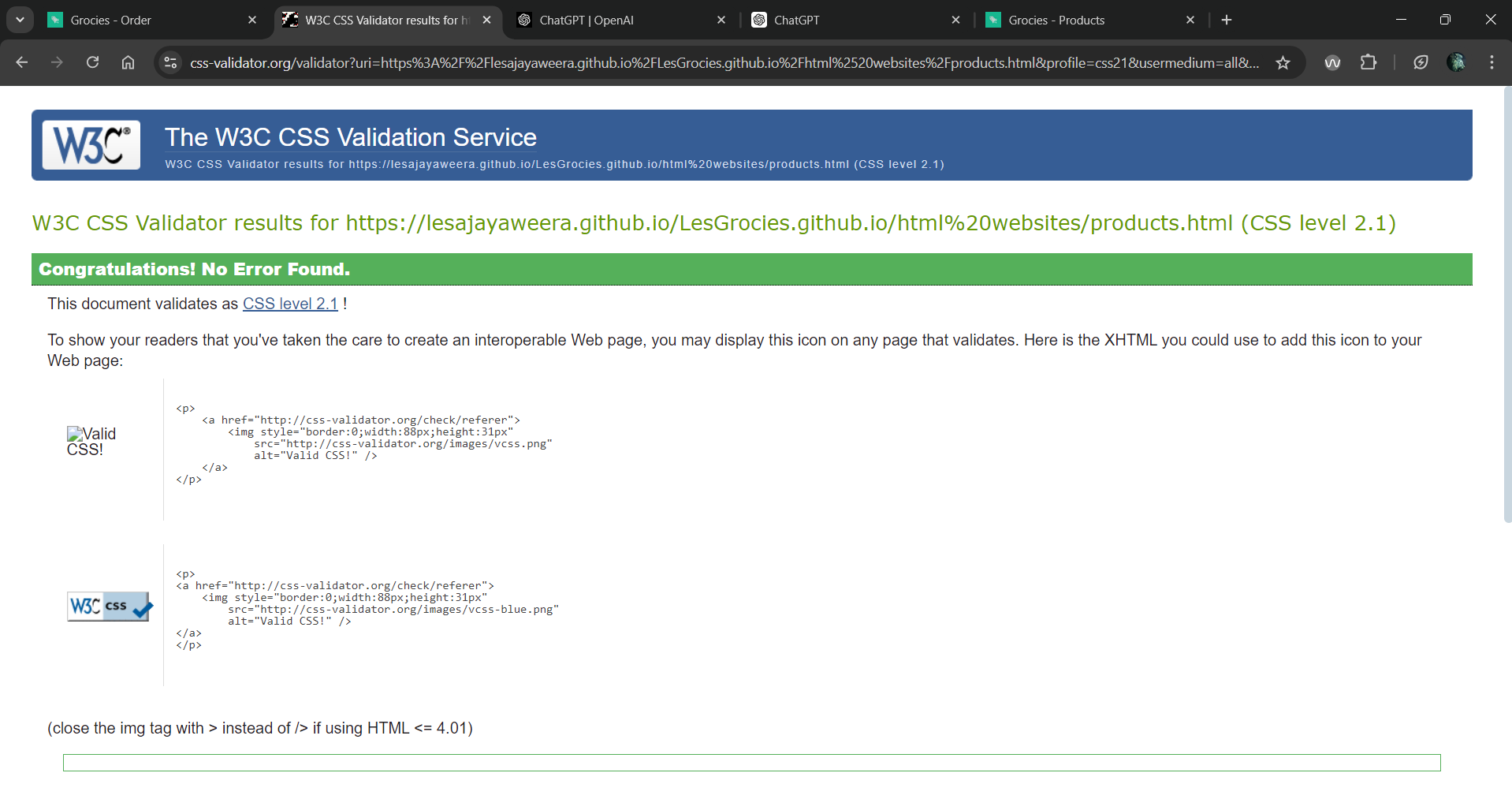


Figure 6 products css validations

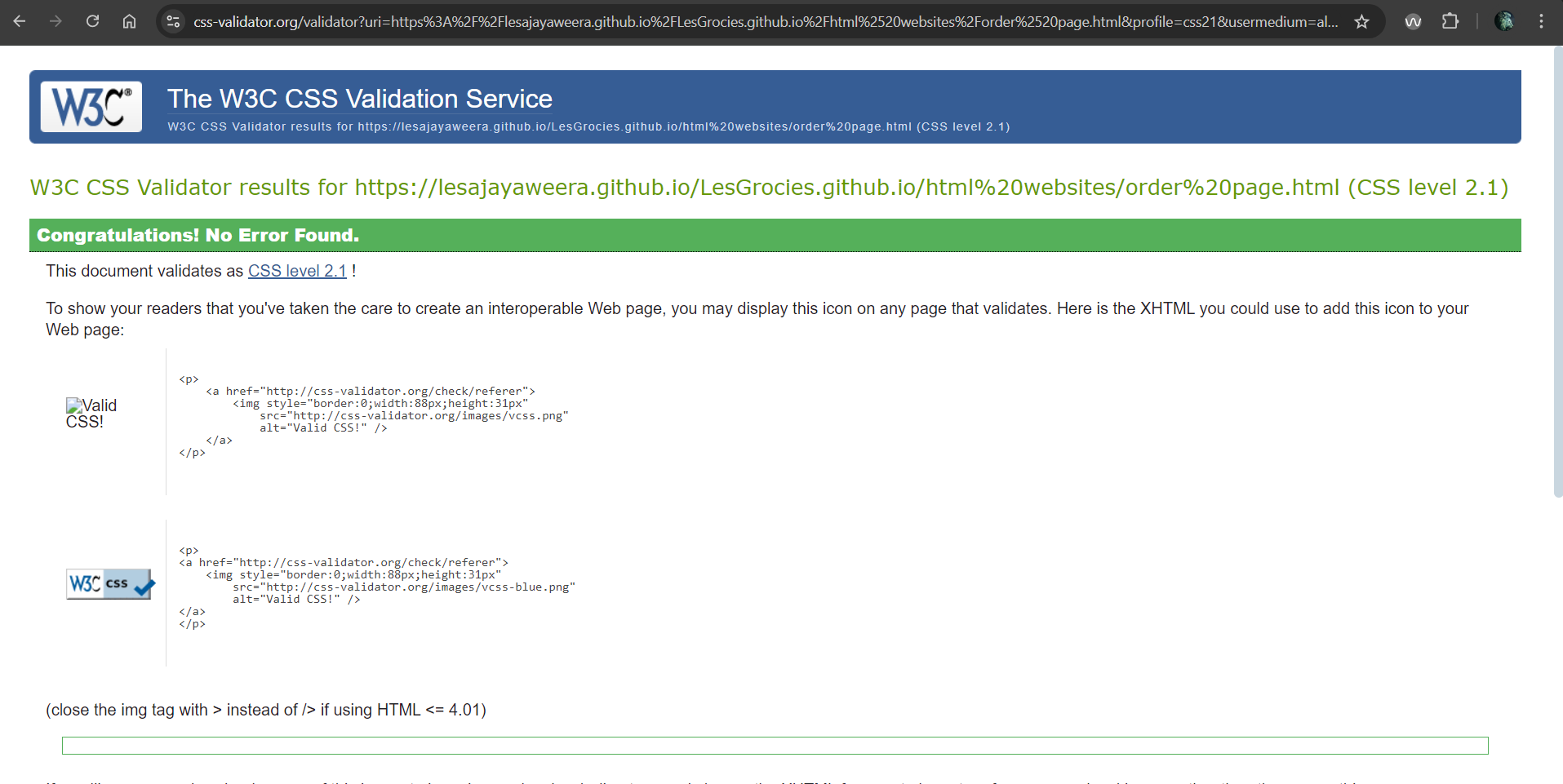


Figure 7 order Css validations

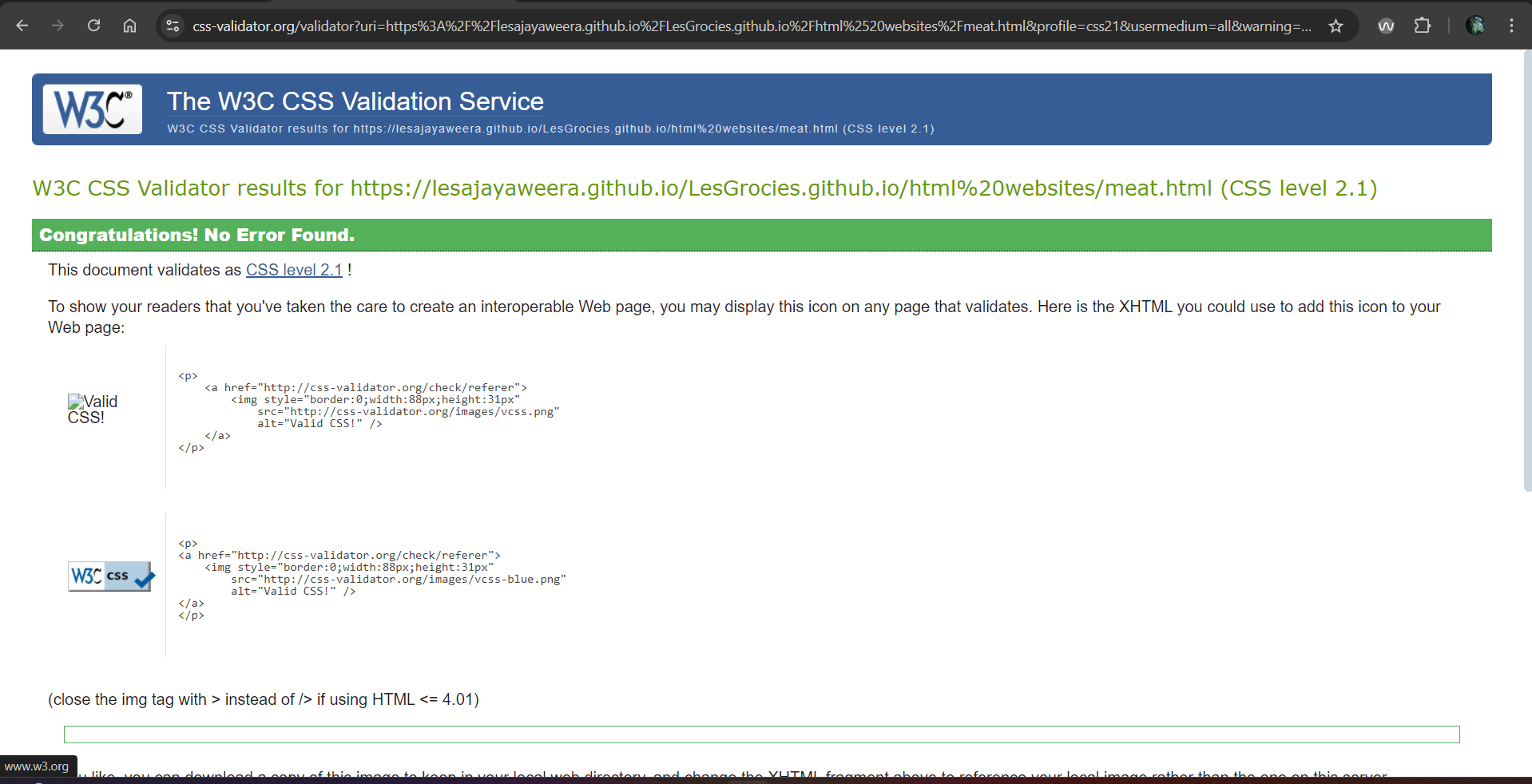


Figure 8 meat css validations



Figure 9 loyalty customer css validations

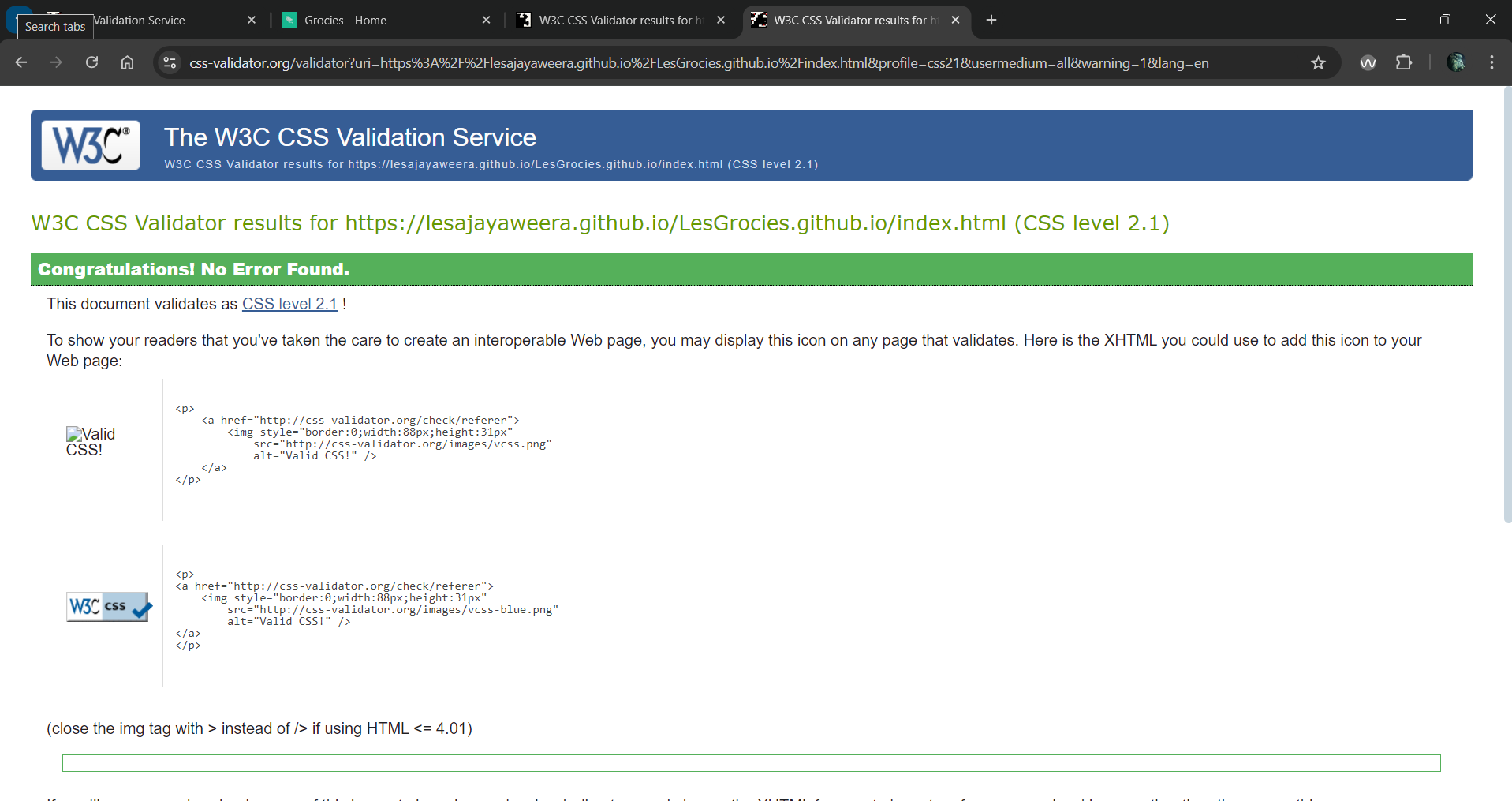


Figure 10 home css validations

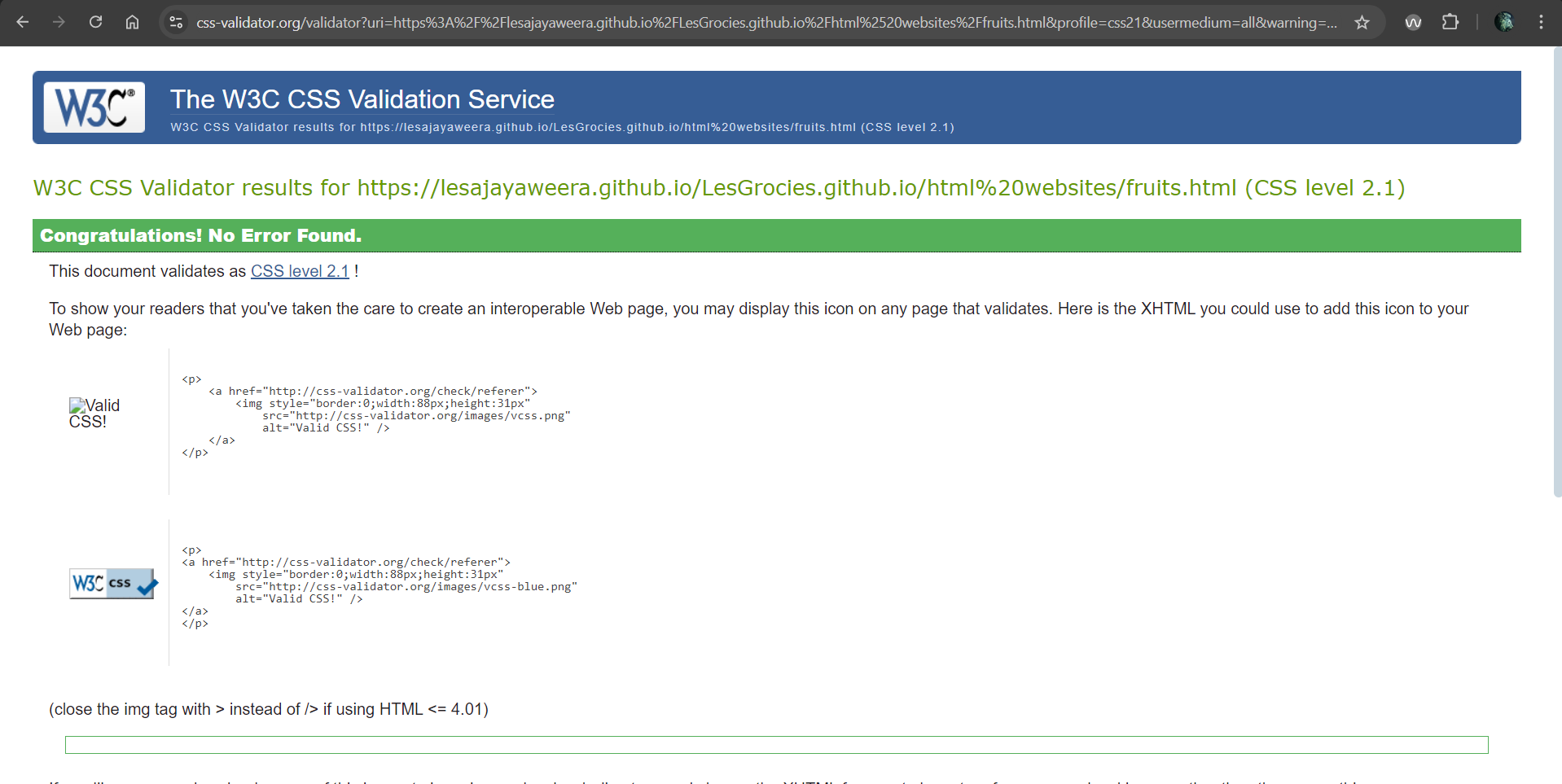


Figure 11 fruits css validations



Figure 12 fish css validations

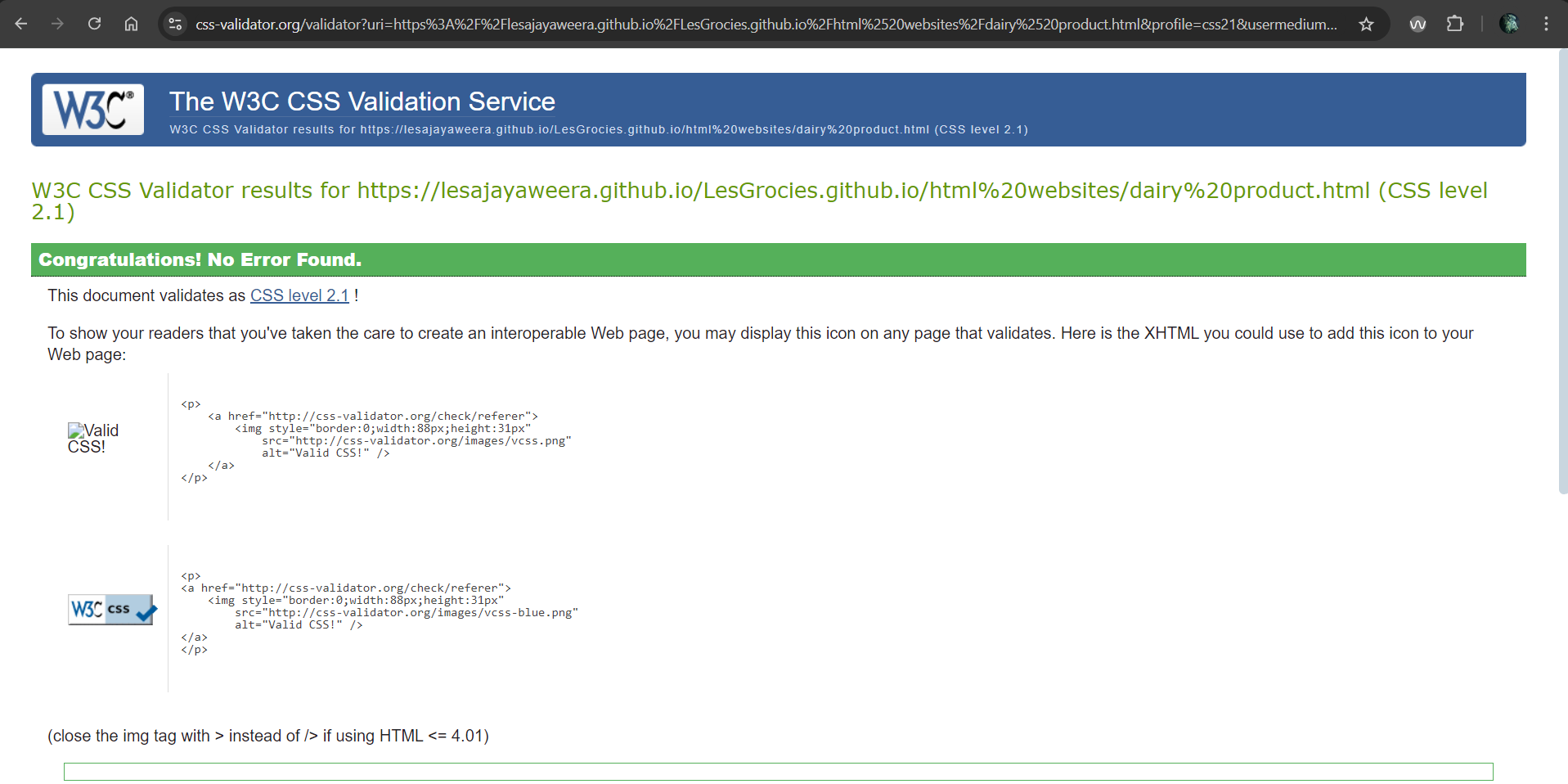


Figure 13 dairy products css validations

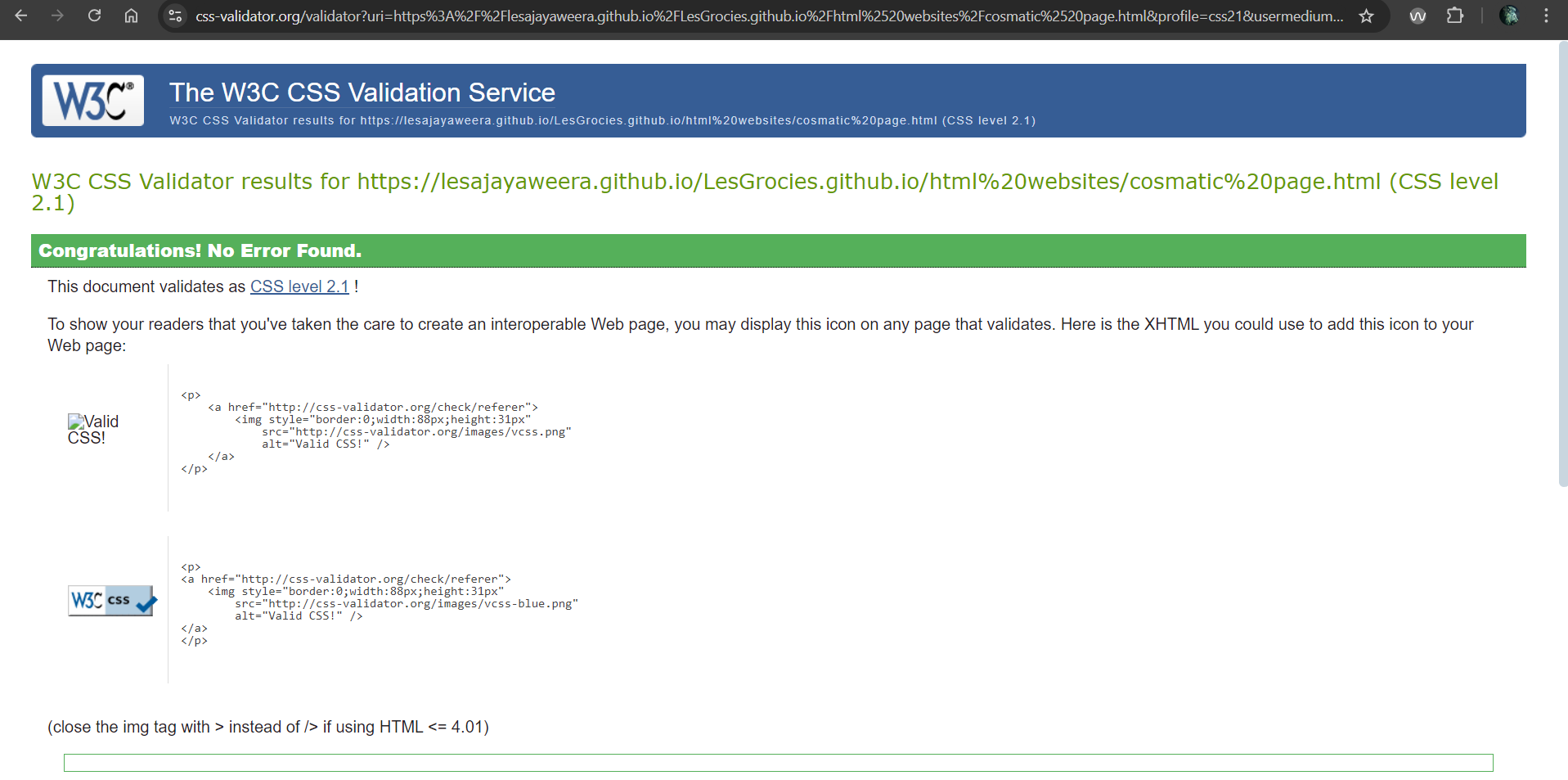


Figure 14 cosmatic css validations

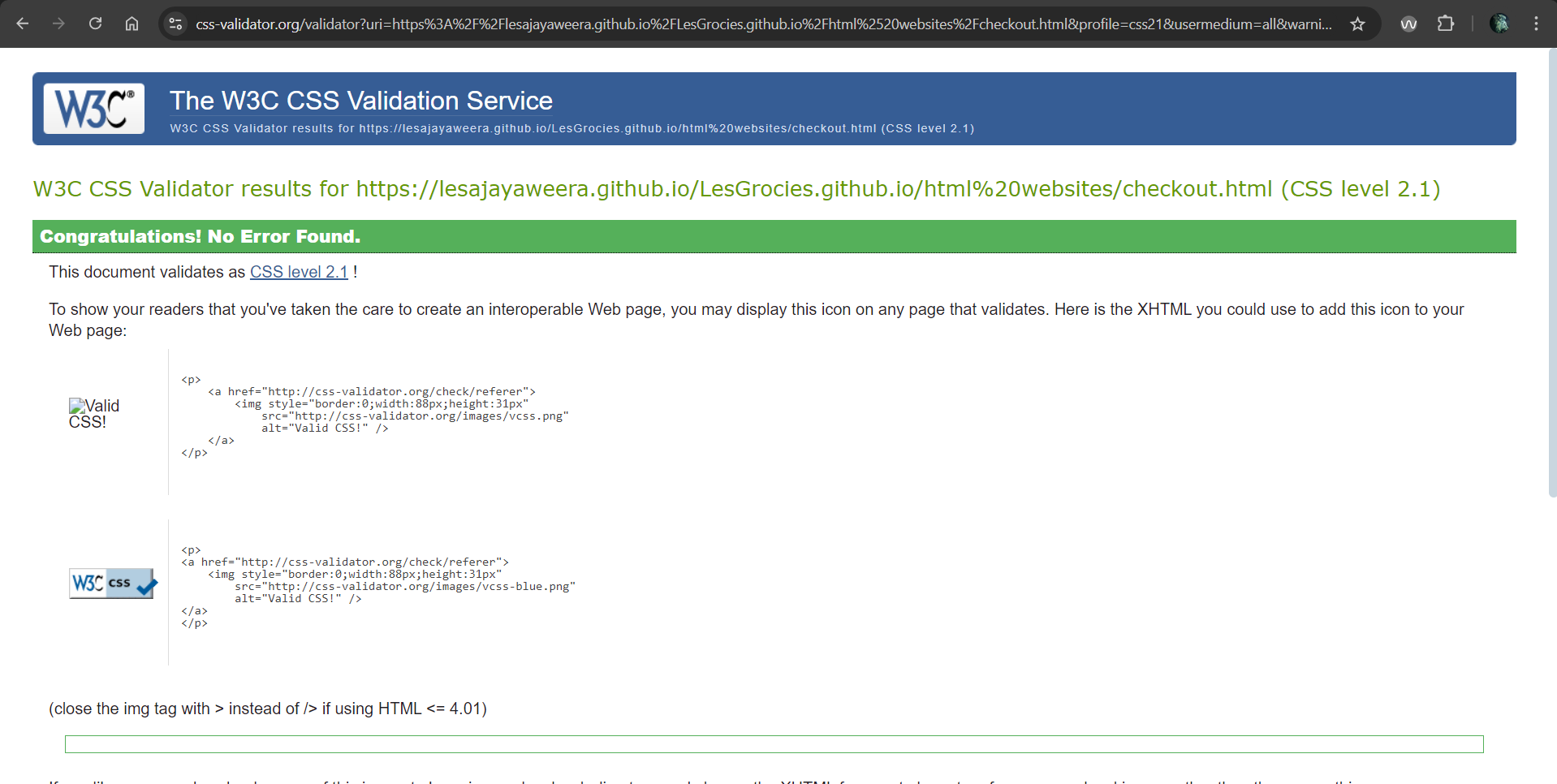


Figure 15 checkout css validations

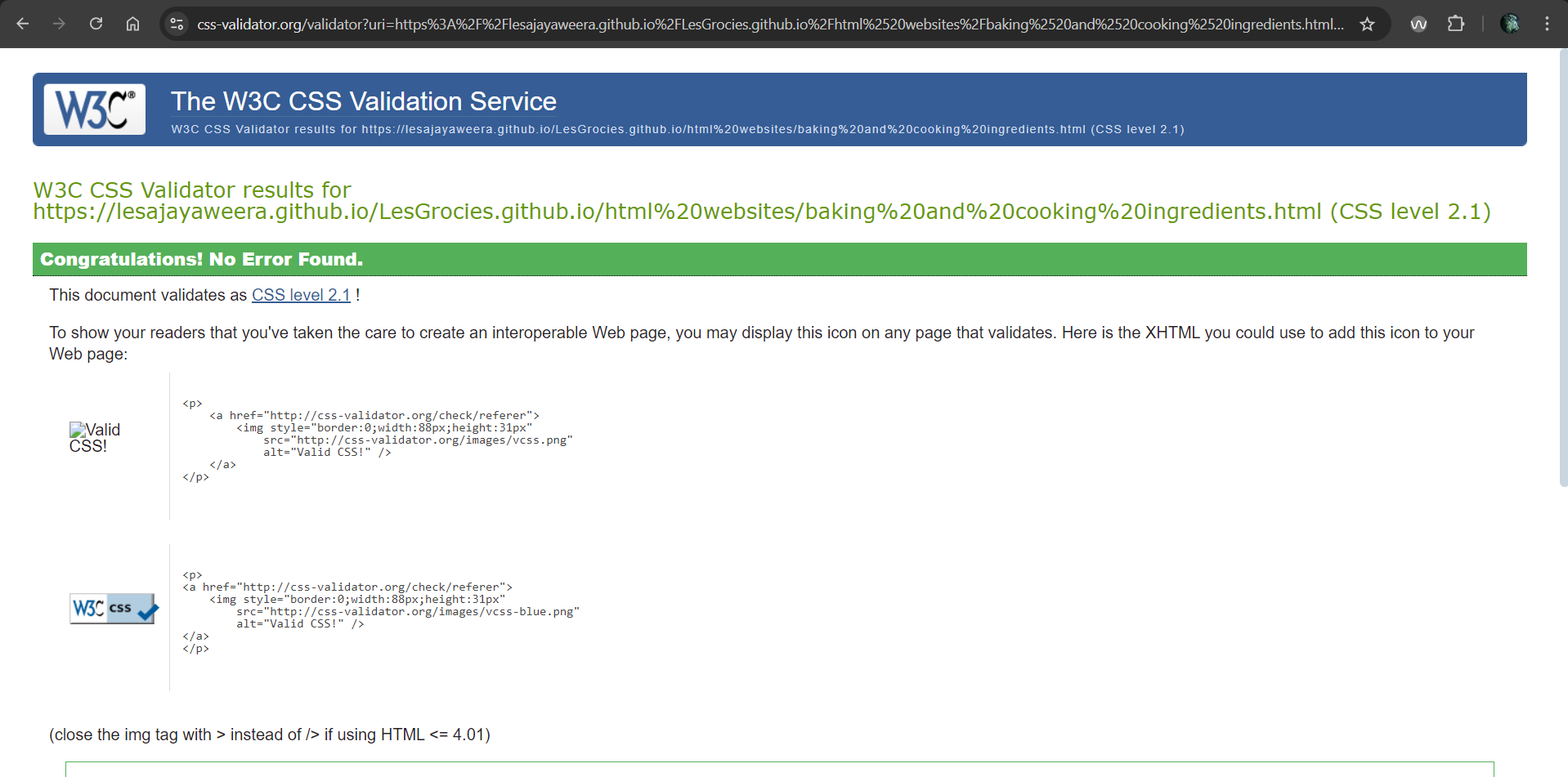


Figure 16 cooking and bakery ingrediants

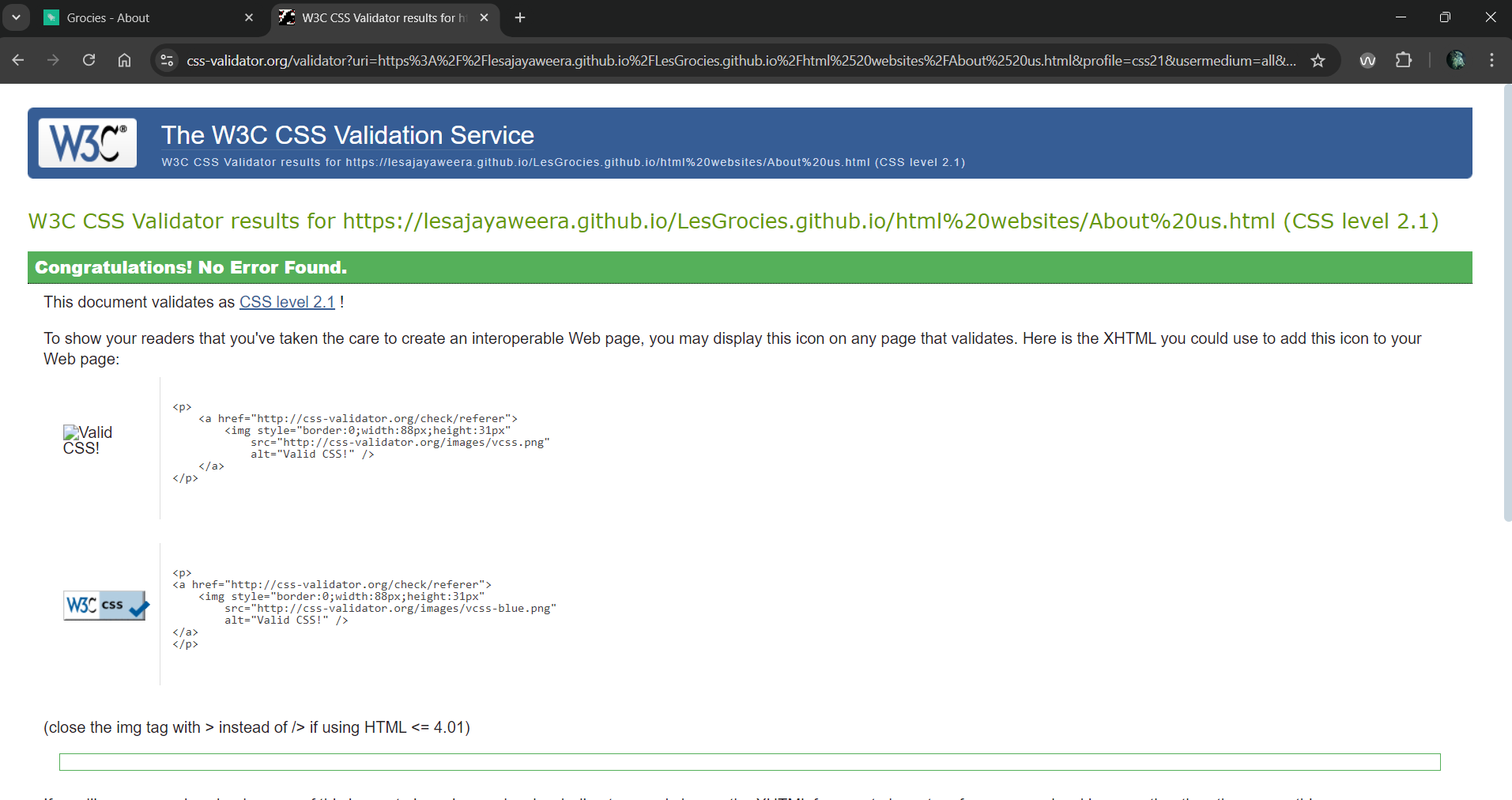


Figure 17 about us css validations

## LightHouse testing

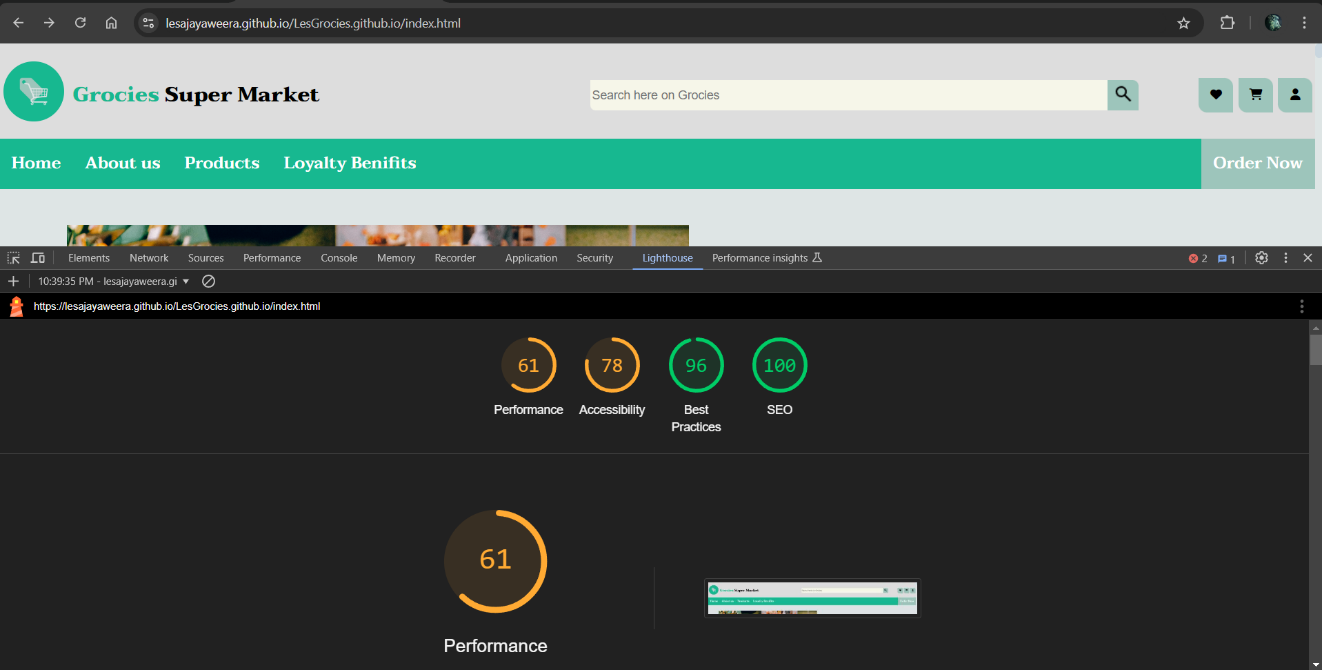


Figure 18 home desktop light house

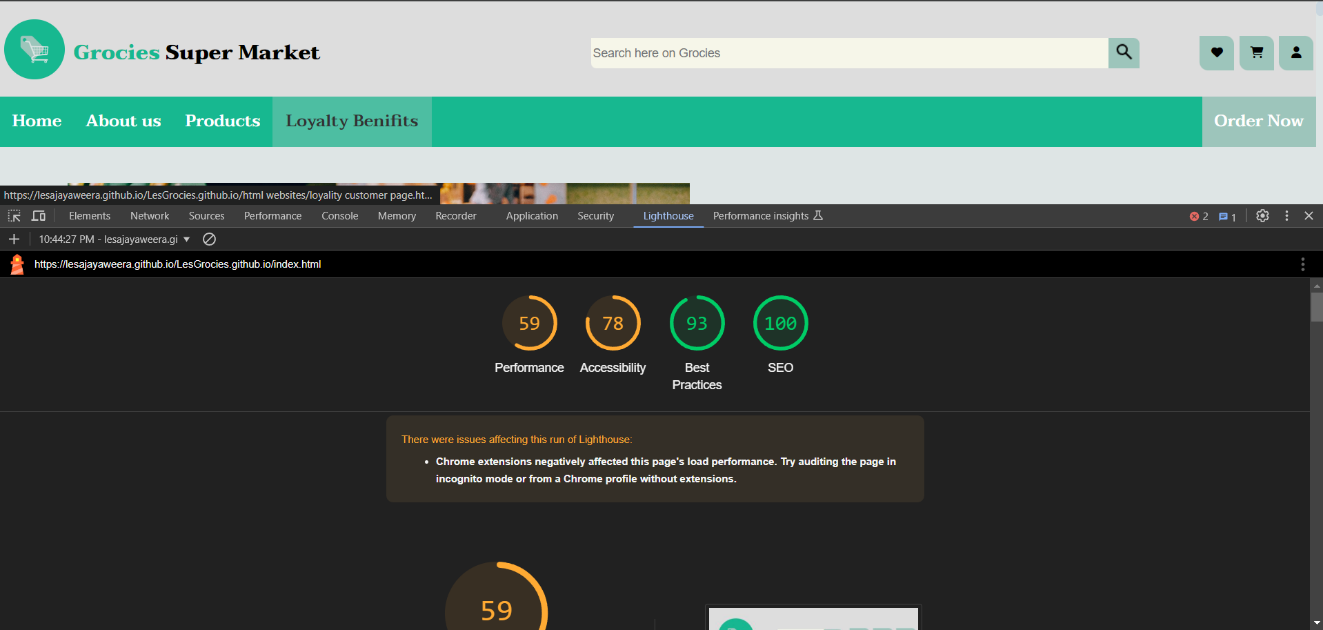


Figure 19 home mobile lighthouse

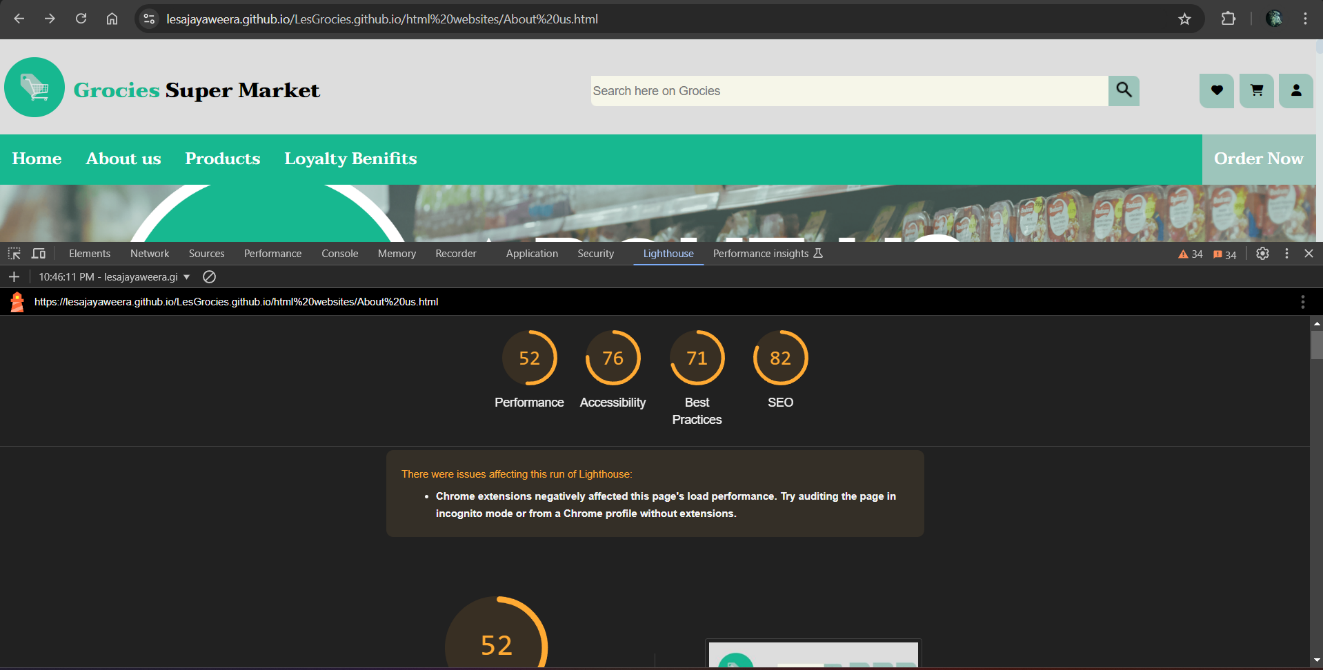


Figure 20 aboust us desktop lighthouse

A screenshot of a computer

Description automatically generated

Figure 21 about us mobile light house

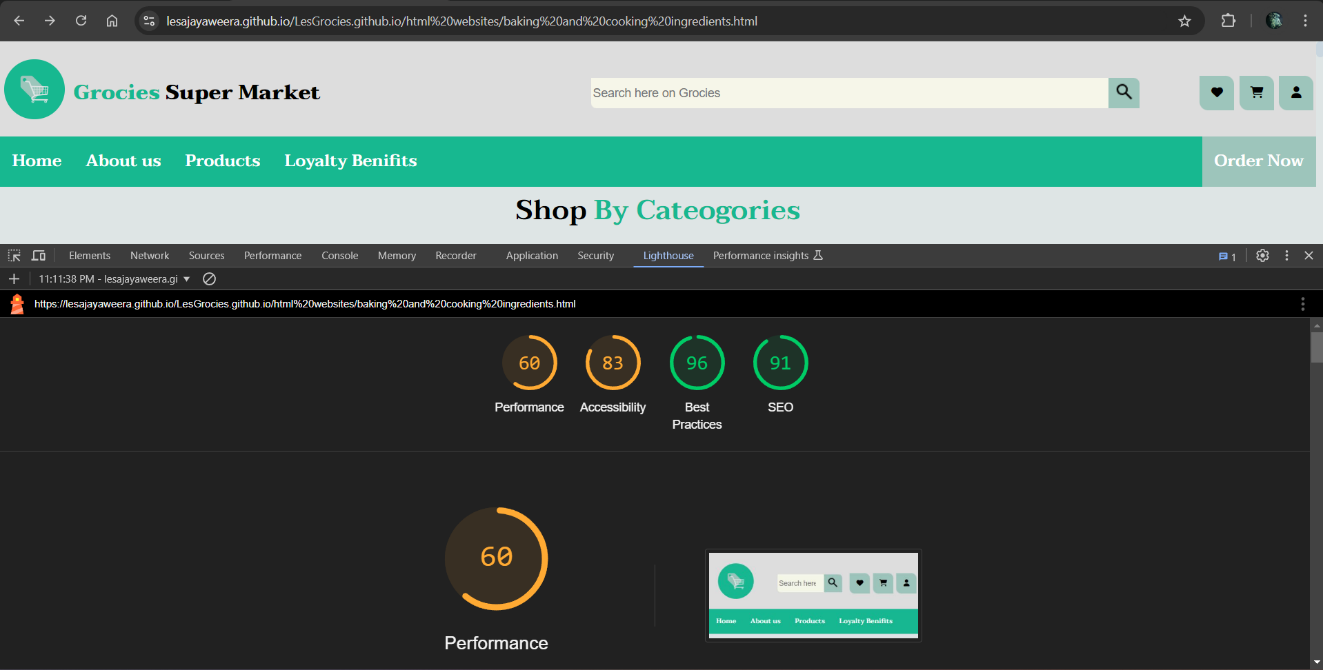


Figure 22 baking and cooking desktop light house

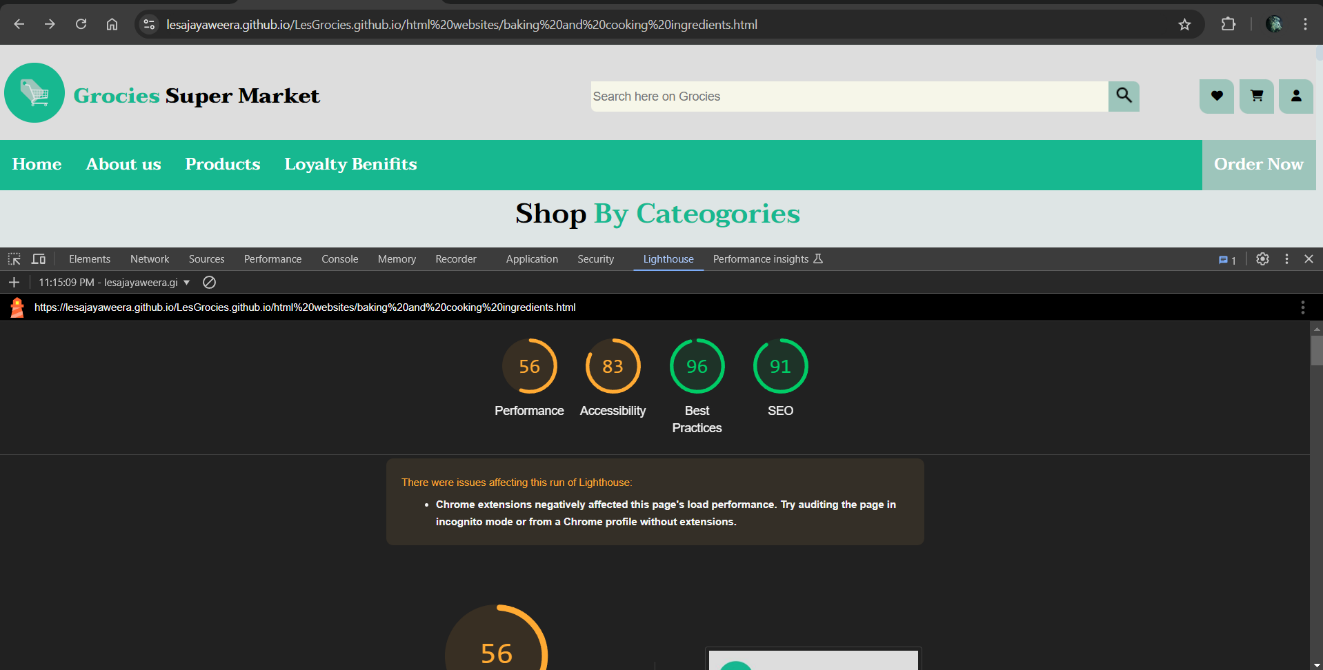


Figure 23 baking and cooking mobile lighthouse

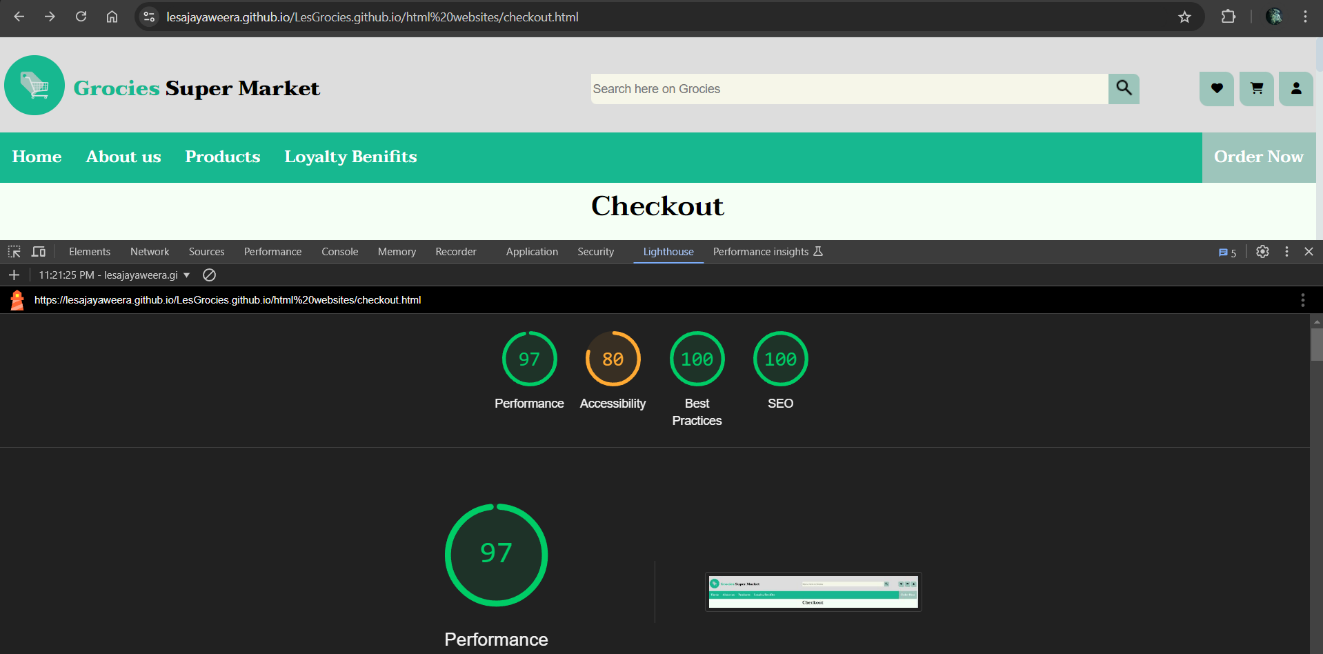


Figure 24 checkout desktop lighthouse

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

Figure 25 cosmetic desktop light house

Figure 26 checkout mobile lighthouse

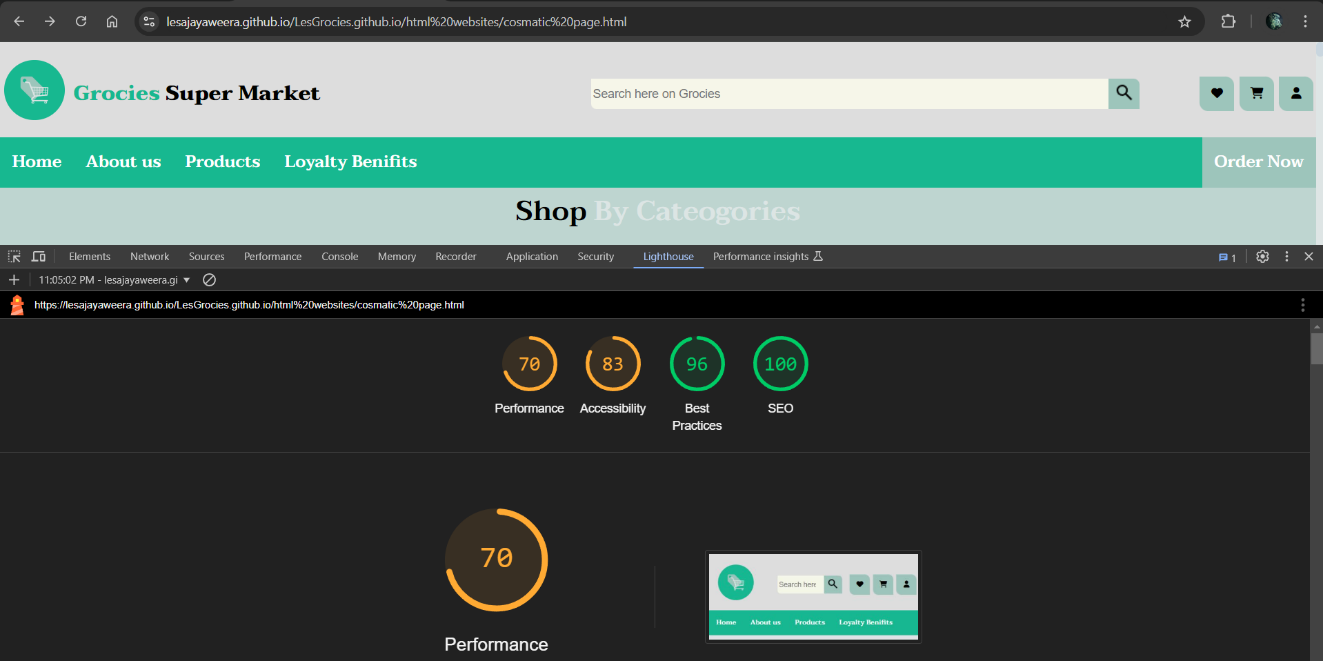


Figure 27 cosmetic mobile light house

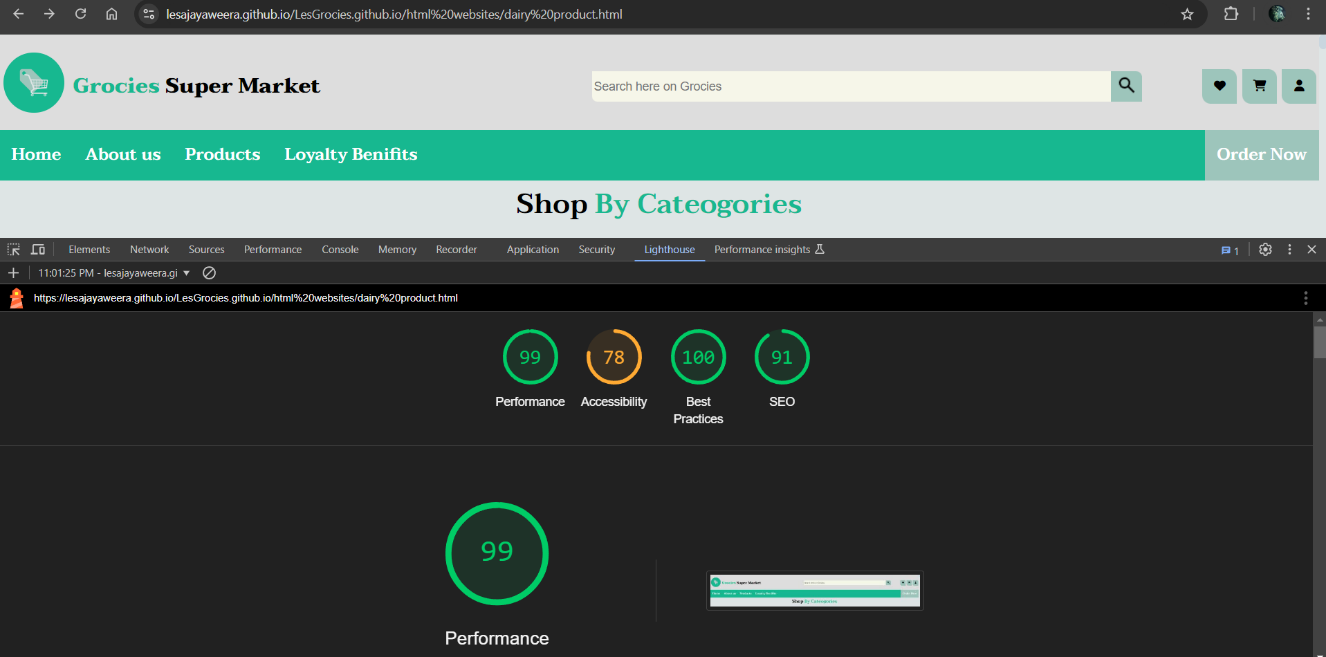


Figure 28 dairy desktop light house

A screenshot of a computer

Description automatically generated

Figure 29 dairy mobile lighthouse

A screenshot of a computer

Description automatically generated

Figure 30 fish desktop lighthouse

A screenshot of a computer

Description automatically generated

Figure 31 fish mobile lighthouse

A screenshot of a computer

Description automatically generated

Figure 32 fruits desktop lighthouse

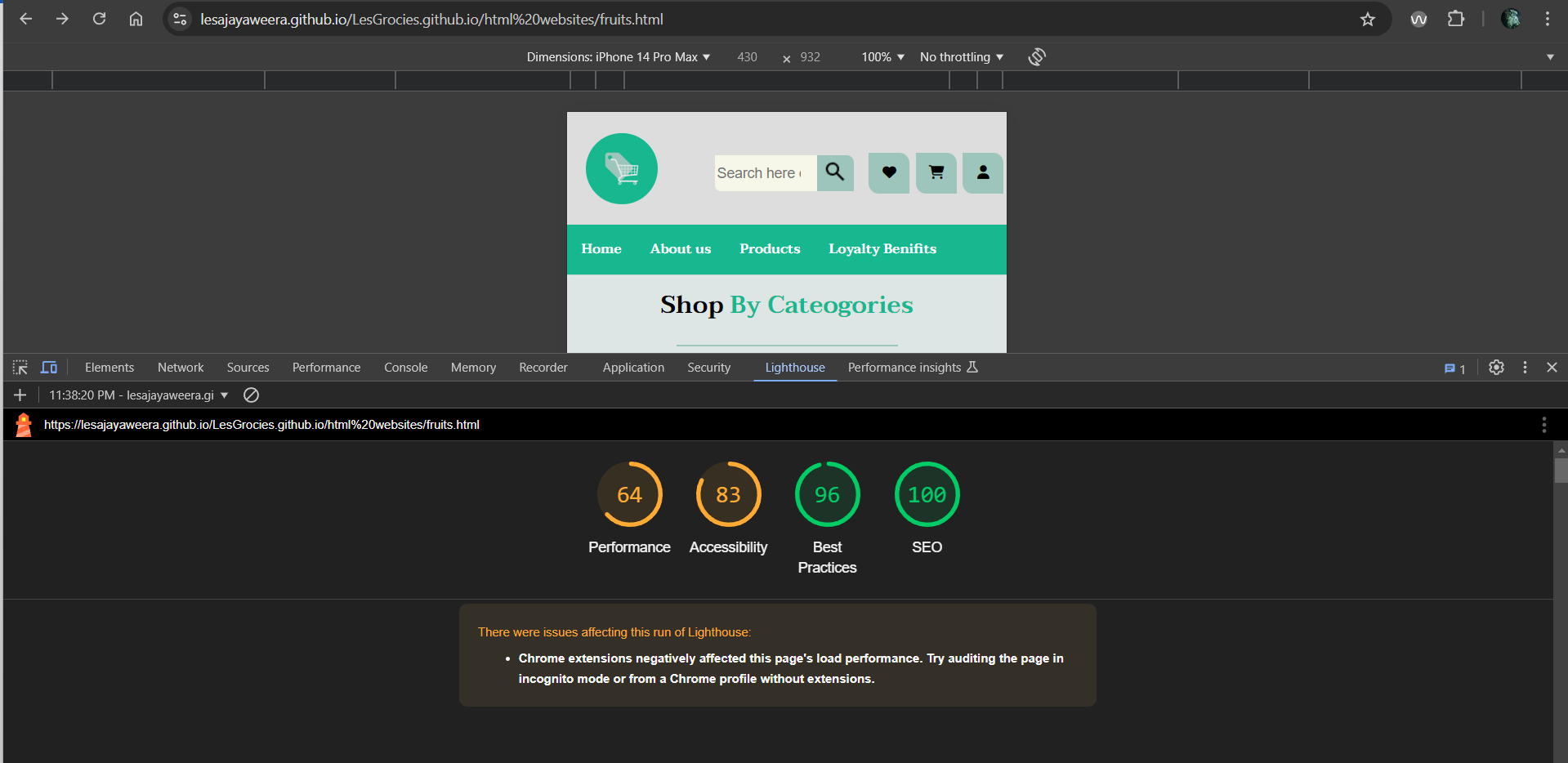


Figure 33 fruits mobile light house

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

Figure 34 loyalty desktop lighthouse

A screenshot of a computer

Description automatically generated

Figure 35 loyalty mobile lighthouse