****

**DESIGNING AND DEVELOPING A WEBSITE**

**Programming Method**

**Module Title**

**Retail Camping Company**

**Assignment Title**

**Winter 2023**

**Examination Cycle**

**YE HTET WIN**

**Candidate Name**

**P00200860**

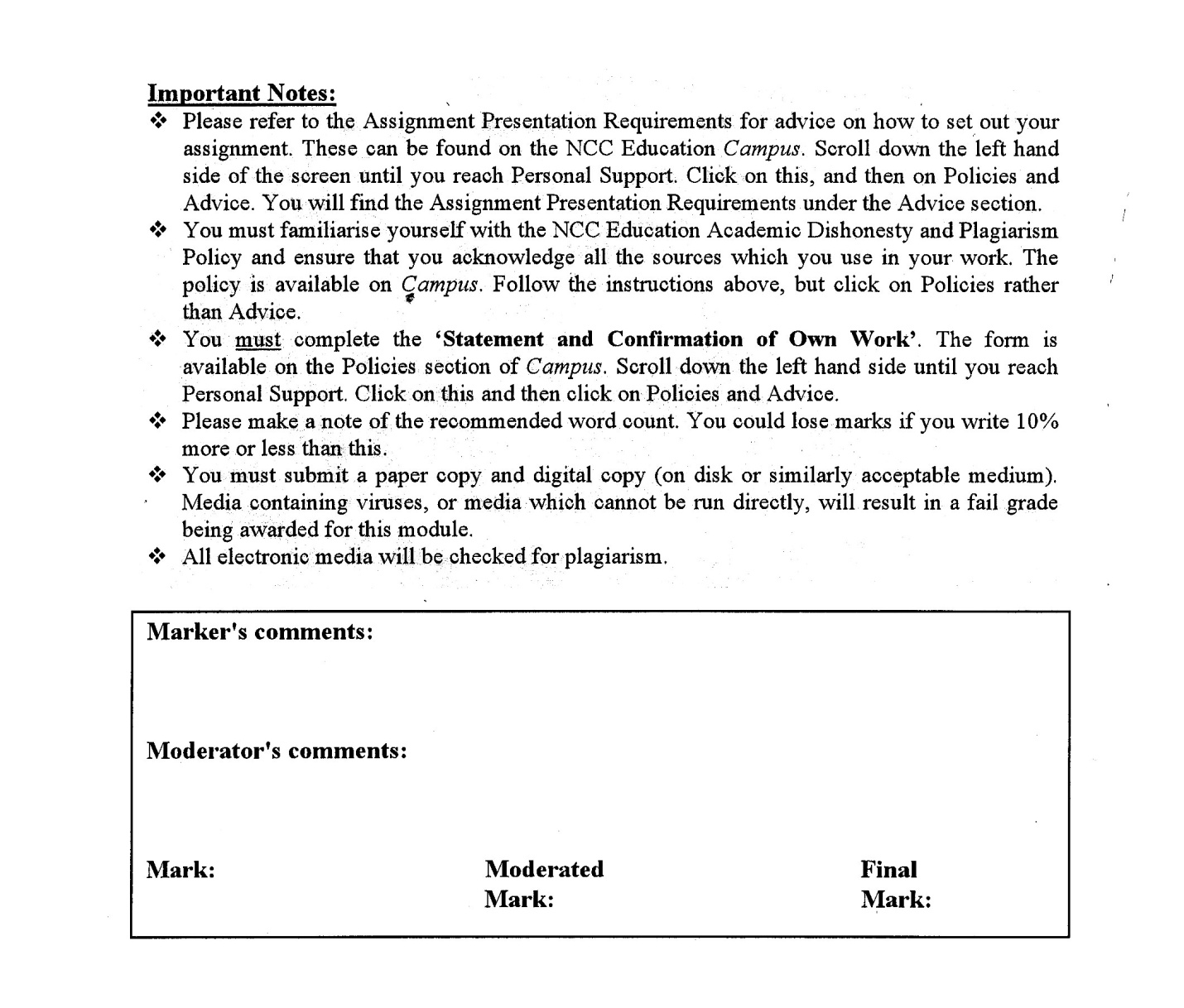
**Candidate No**

**KMD Institute (Yangon)**

**Centre Name**

**September 30, 2023**

**Submission Date:**



****

**Statement and Confirmation of Own Work**

**Programme/Qualification name: L4DC**

*All NCC Education assessed assignments submitted by students must have this statement as the cover page or it will not be accepted for marking. Please ensure that this statement is either firmly attached to the cover of the assignment or electronically inserted into the front of the assignment.*

**Student declaration**

I have read and understood NCC Education’s Policy on Academic Dishonesty and Plagiarism.

I can confirm the following details:

**Student ID/Registration number:** **P00200860**

**Name : YE HTET WIN**

**Centre Name : KMD Institute (Yangon)**

**Module Name : DESIGNING AND DEVELOPING A WEBSITE**

**Module Leader : SHAIN THU**

**Number of words : (XXXX) WORDS**

I confirm that this is my own work and that I have not plagiarised any part of it. I have also noted the assessment criteria and pass mark for assignments.

**Due Date : September 30, 2023**

**Student Signature : Ye**

**Submitted Date : September 2023**

# Table of Contents

Contents

[Table of Contents 3](#_Toc102355523)

[Introduction 5](#_Toc102355524)

[Task-1 Web Design Print Screen 7](#_Toc102355525)

[Task-2 CSS 34](#_Toc102355526)

[Task-3 Test the website and write a test report 72](#_Toc102355527)

[Using the W3C validation service (http://validator.w3.org/) 72](#_Toc102355528)

[Accessibility using a screen reader 76](#_Toc102355529)

[Testing the website on two browsers 78](#_Toc102355530)

[Test Report 81](#_Toc102355531)

[The role of the W3C 81](#_Toc102355532)

[Task-4 Critical Evaluation 83](#_Toc102355533)

[1. Accessibility features 83](#_Toc102355534)

[2. Embedded functional multimedia components 83](#_Toc102355535)

[3. How the Internet and Web can be used 83](#_Toc102355536)

[4. Improvements for further development 84](#_Toc102355537)

[References 85](#_Toc102355538)

[Bibliography 85](#_Toc102355539)

[Candidate checklist 86](#_Toc102355540)

# Introduction Of GearGuru

**Task 1**

**HTML**

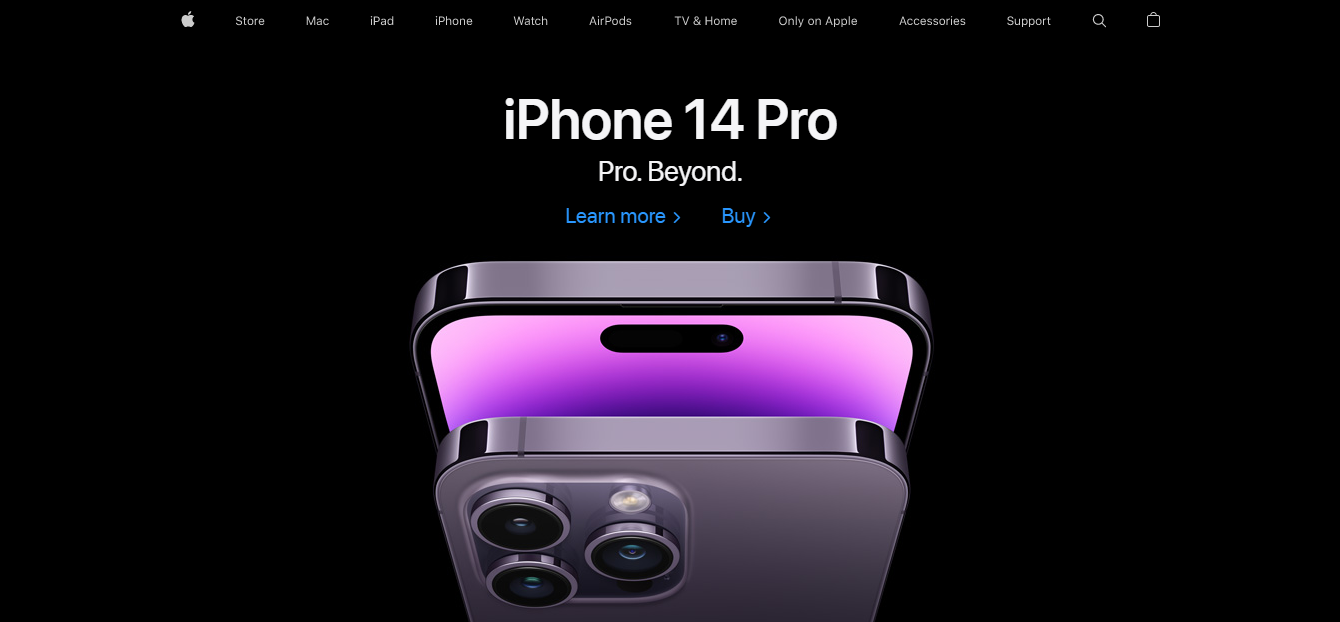
# Task-1 Web Design Screenshot

Introduction???

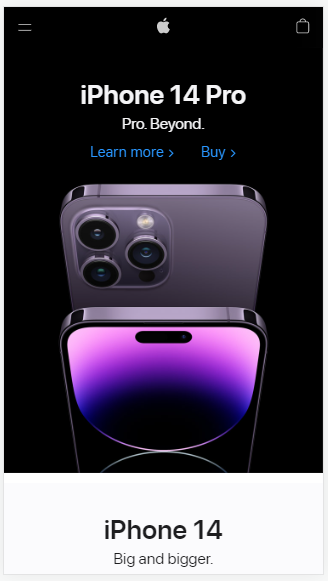
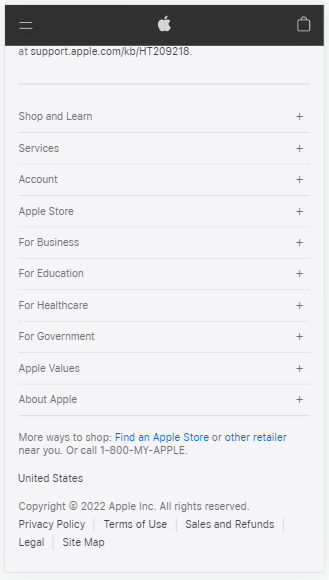
(1) Home Page

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Desktop View of Home Page

****

Mobile Device View of Home Page

**Task 2**

**CSS**

# Task-2 CSS

External CSS

body{

background-color: #3d1702;

font-family: Garamond, serif;

font-size: larger;

margin: 0px;

padding: 0px;

font-weight: 700;

}

body.active{

background-color: #FEF8DD;

}

h1,h4{

color: #FFC700;

text-align: center;

}

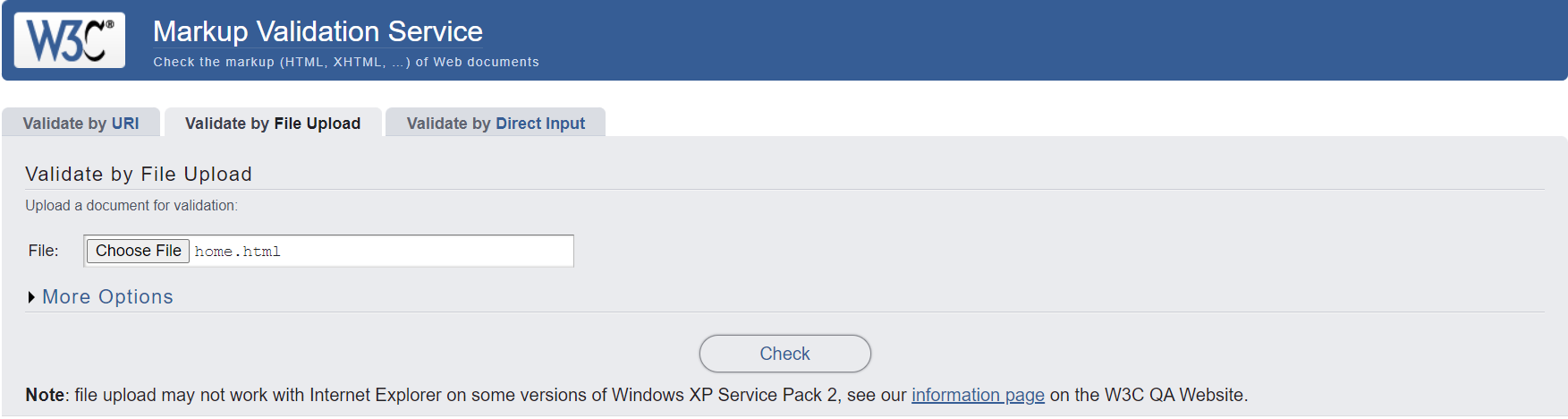
**Task 3**

# Task-3 Test the website and write a test report

## Using the W3C validation service (<http://validator.w3.org/>)

HTML codes are tested one file after another at W3C markup validation service as shown below.

**home.html**



(Fig 1.01)

**After Checking**

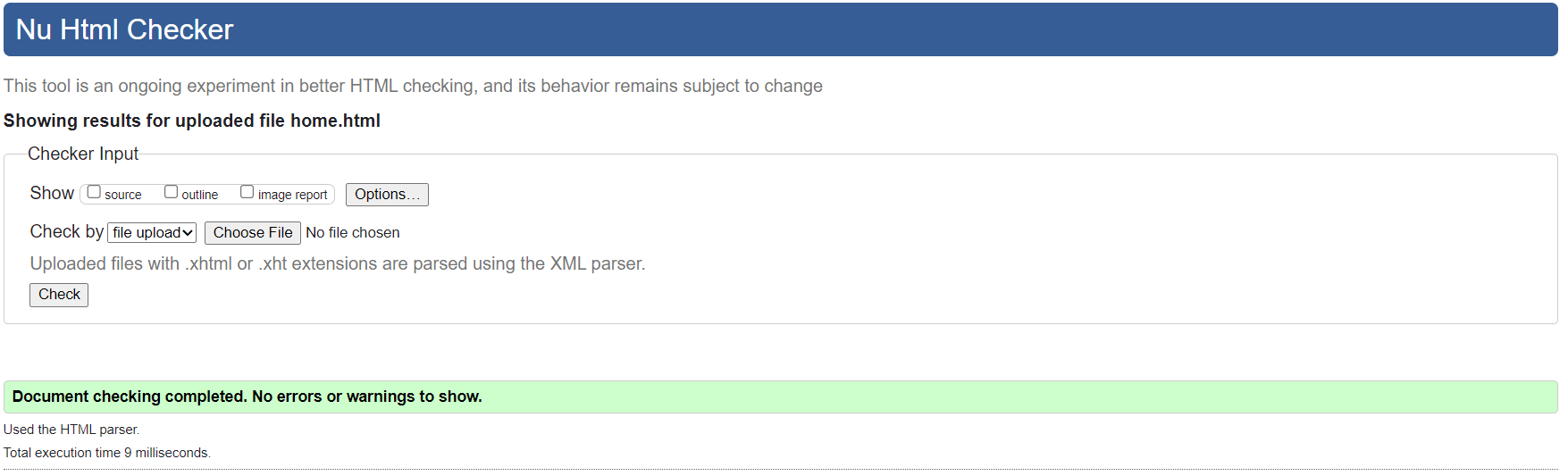
(1) Error: Stray end tag div.

There is an extra </div> tag without a corresponding opening <div> tag is what the error notice refers to as in the HTML code. The issue was fixed by examining the code around line 127 and removing the unnecessary </div> tag to restore proper HTML structure.



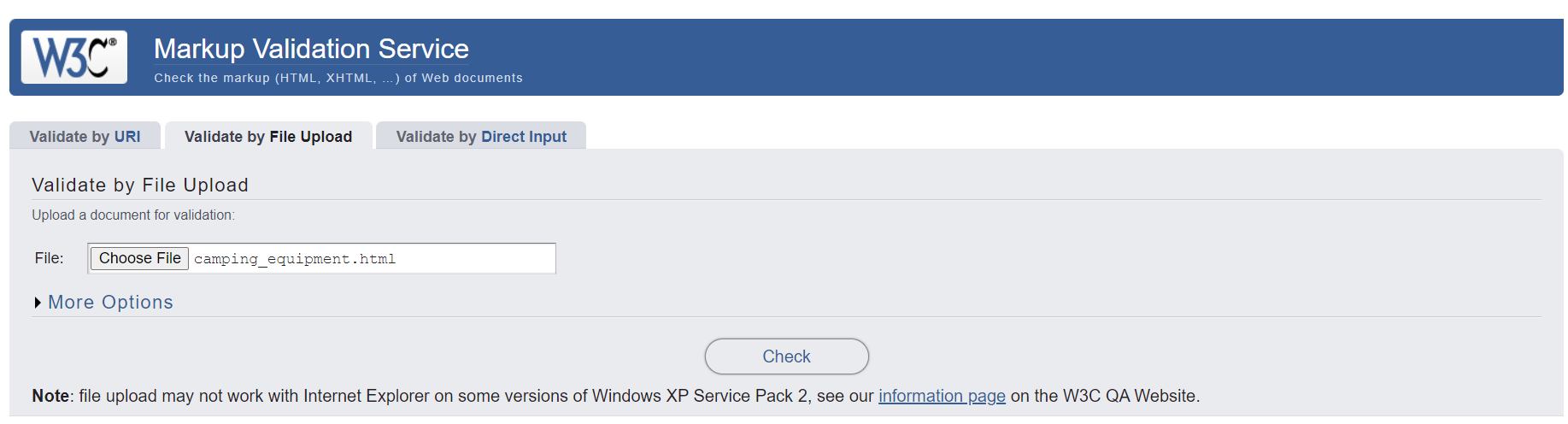
(Fig 1.02)

**After Fixing the error**



(Fig 1.04)

**camping\_equipment.html**

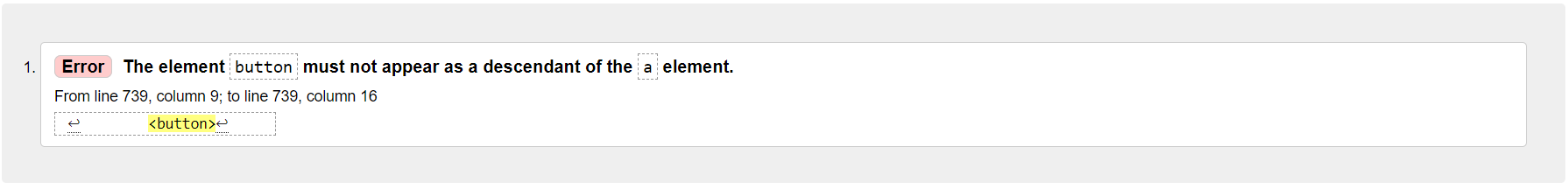


(Fig 1.05)

**After Checking**

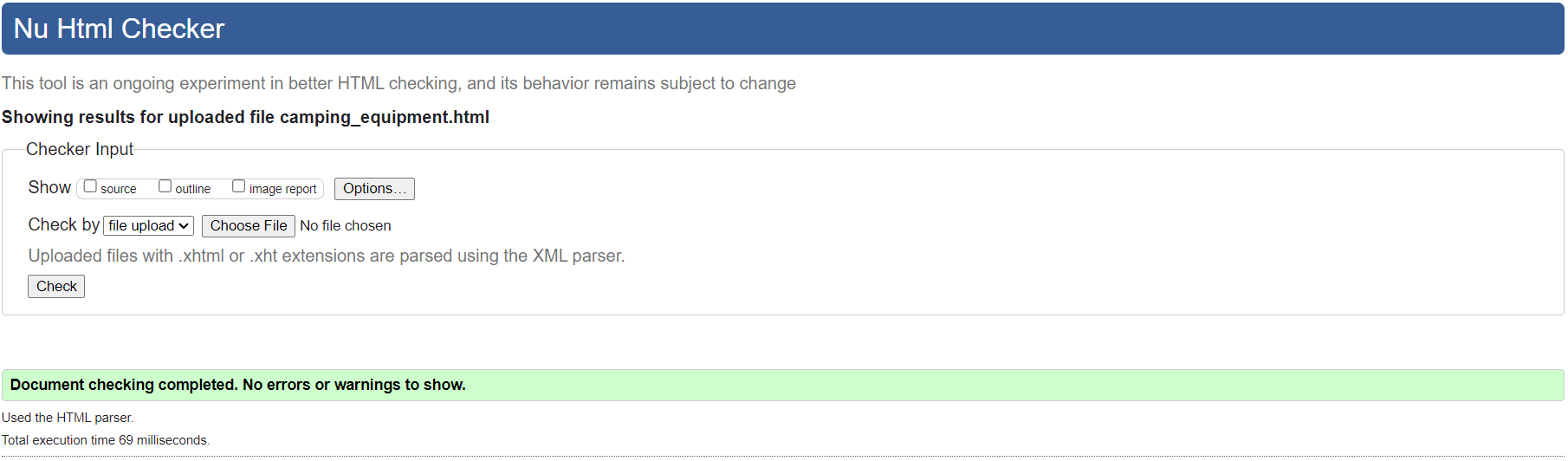
**(1) Error The element** button **must not appear as a descendant of the (**a) **element**

This error occurs because there is a (button) element inside a (a) element. It is appropriate to use the (button) element inside the (a) element since their actions can overlap. This error was fixed by replacing the (button) element with a normal text.

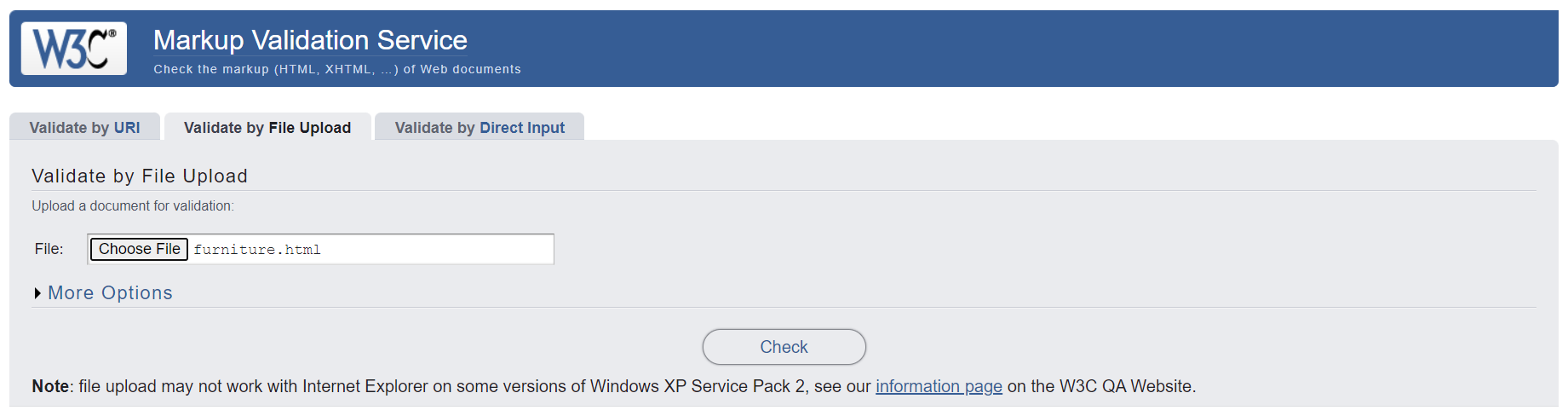


(Fig 1.06)

**After fixing the error**

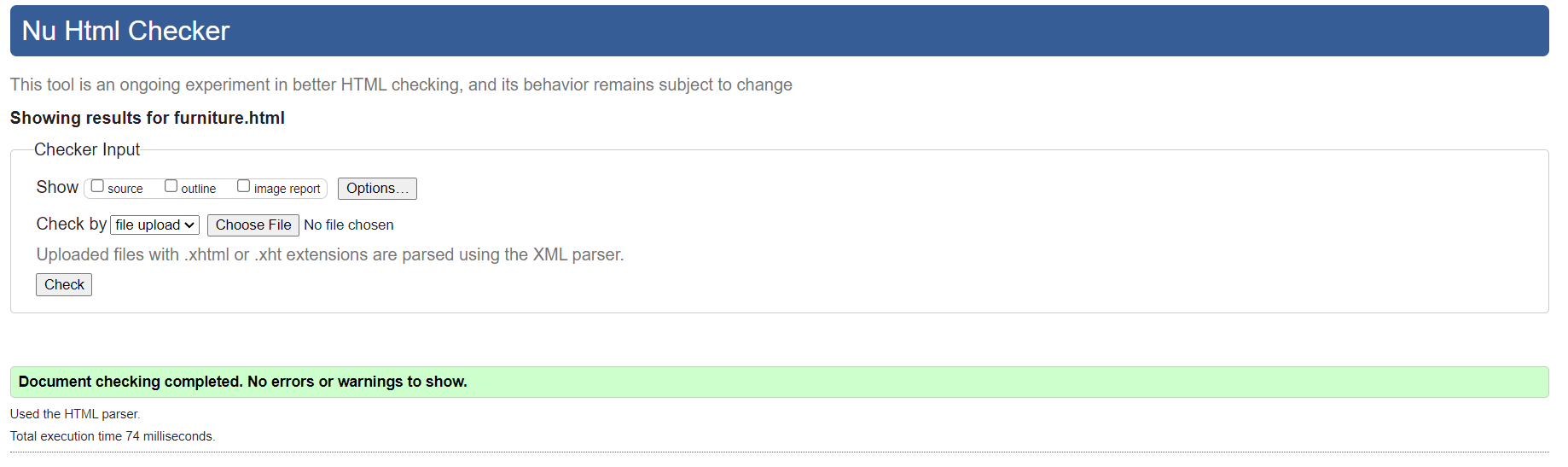
****(Fig 1.07)

**furniture.html**



(Fig 1.08)

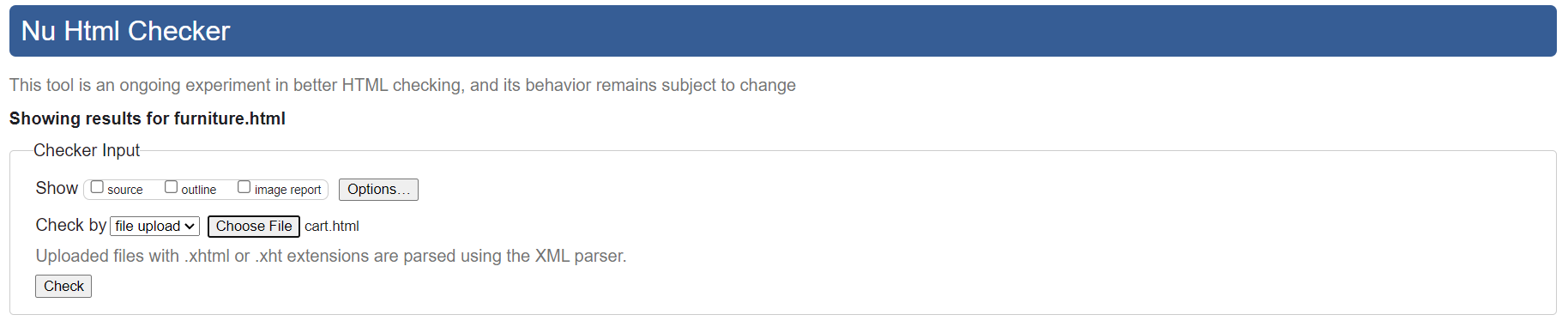
**After Checking**



(Fig 1.09)

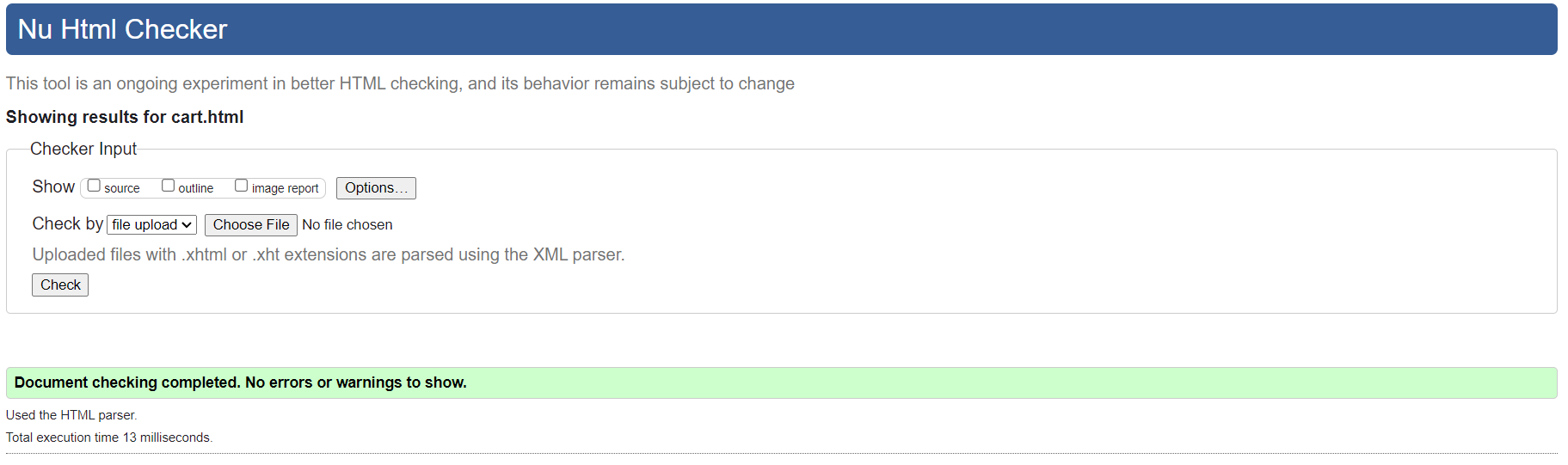
There are no errors in furniture.html file.

**cart.html**



(Fig 1.10)

**After Checking**

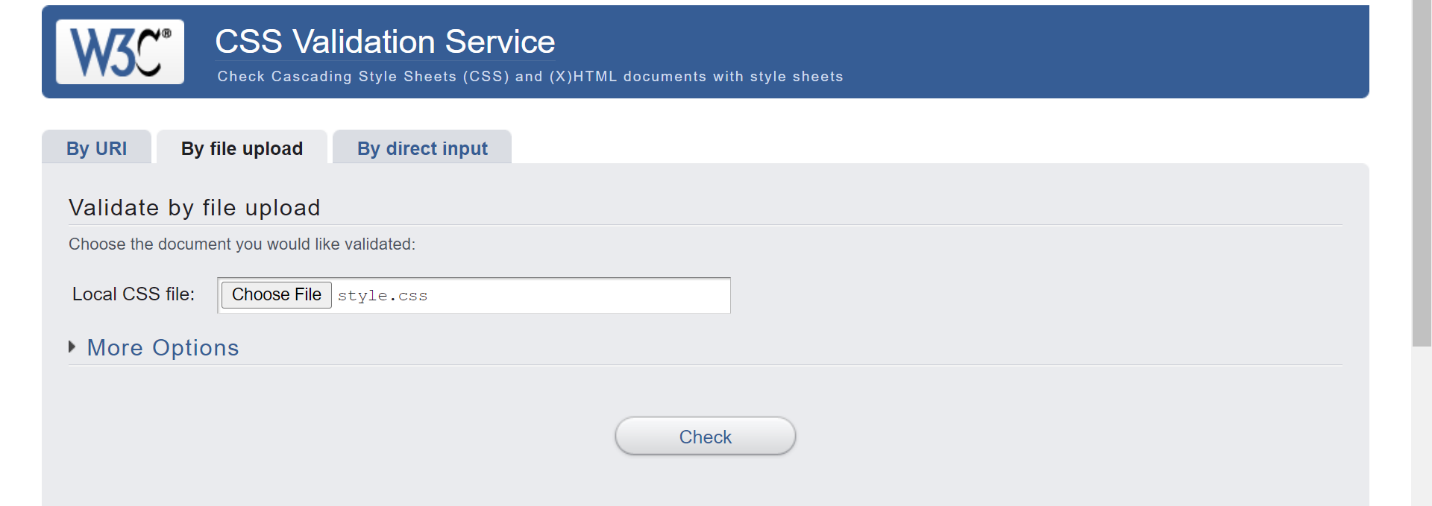


(Fig 1.11)

There are no errors in cart.html file.

CSS

CSS file is also tested on CSS Validation Service as shown below to find out possible errors within the code.



It is seen that no error was found in the CSS code after testing.

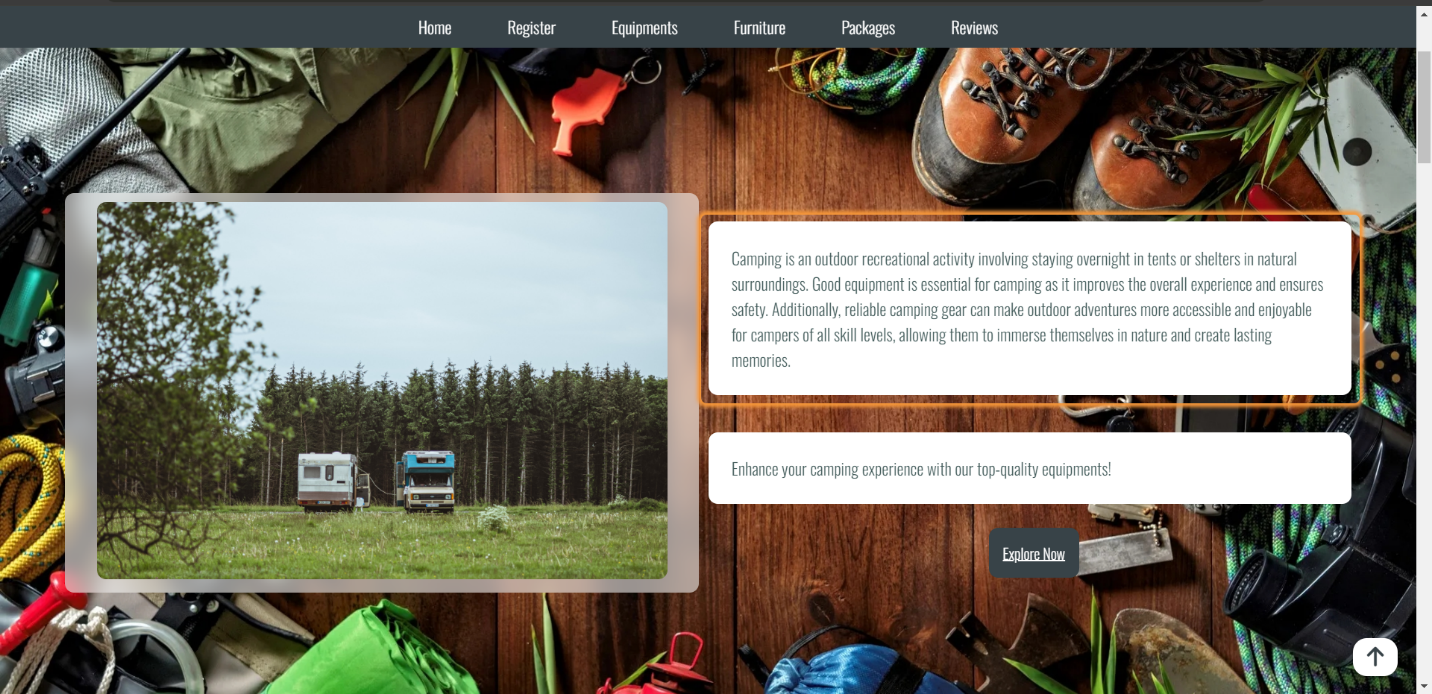


## Accessibility using a screen reader

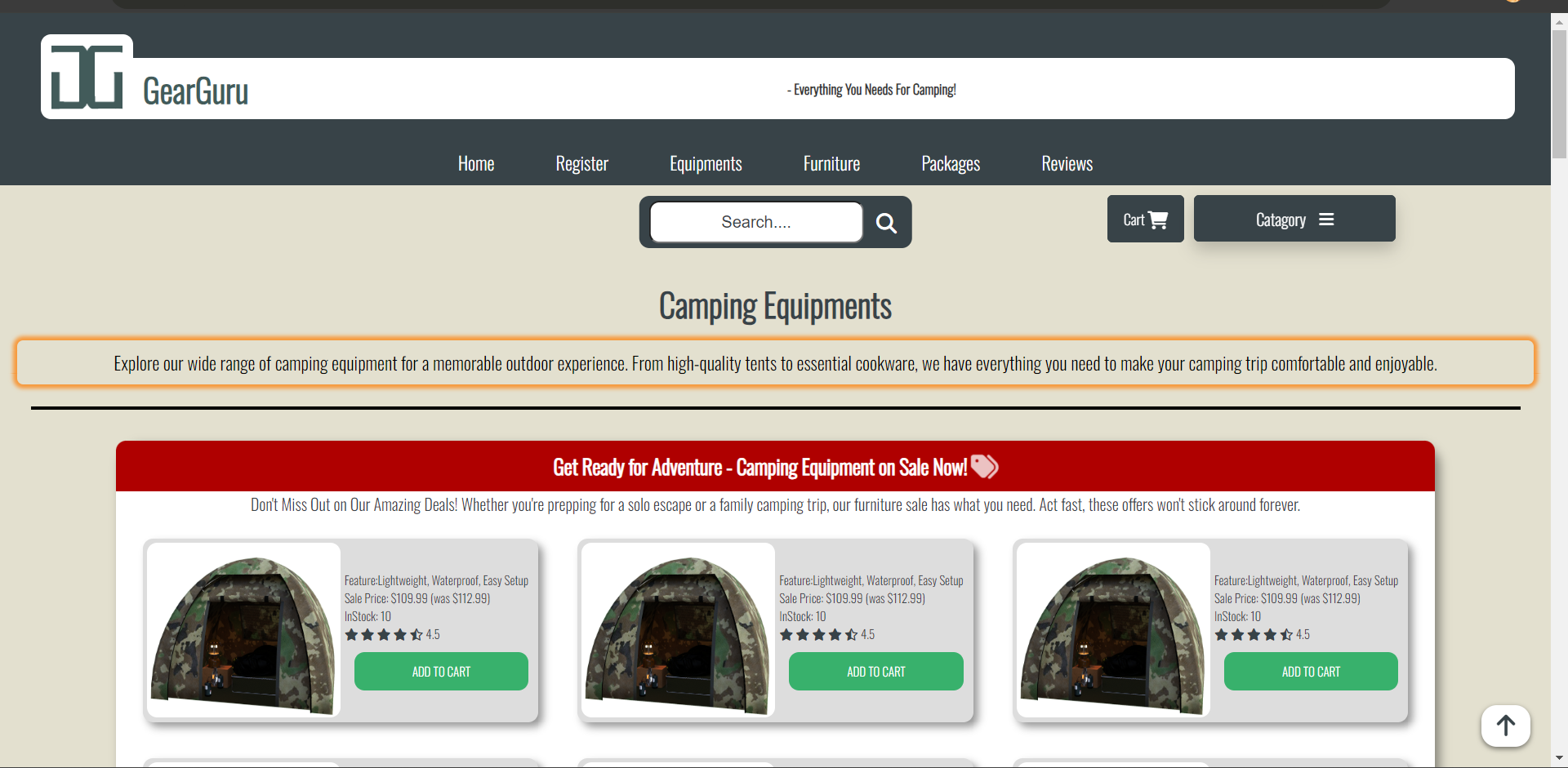
Accessibility is making the developed website to be able to easily use by people with disabilities. Though many people think it is only for people with disabilities, making website with convenient accessibility also benefits other groups such as people who mainly use mobile devices or those with slow internet connections. (MDN\_contributors, 2023)

When developing websites, it is critical to ensure that they are accessible for people with visual problems who use screen readers. It involves applying the proper coding for information, describing images, and ensuring that products can be effortlessly selected or tapped. Additionally, specific labels can be provided to page elements that change. Choosing readable fonts, contrast between colors, and text alternatives in multimedia improves accessibility. Testing with screen readers on frequently is essential for recognizing and fixing issues.

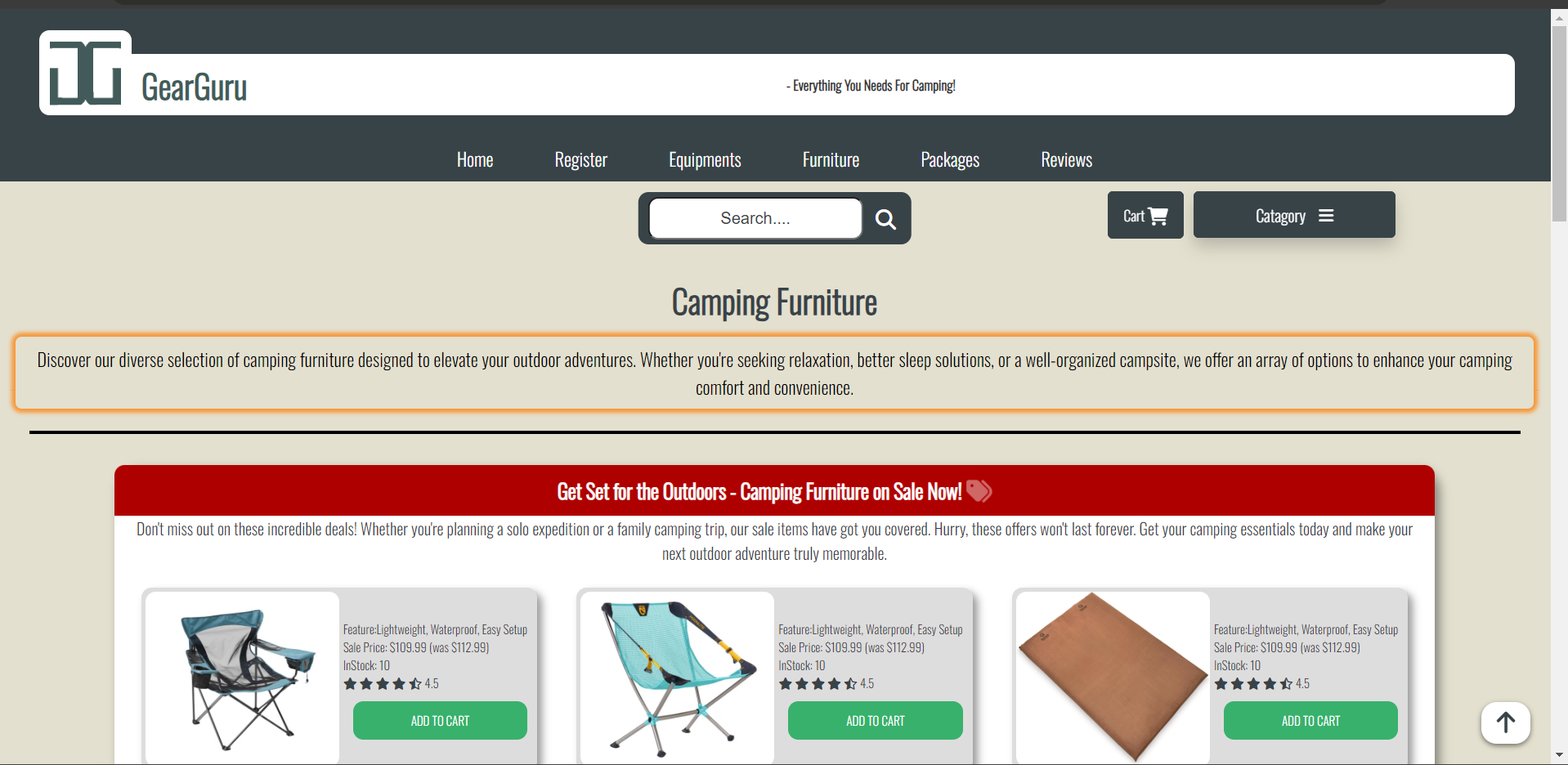
**Using screen reader on home page**

****

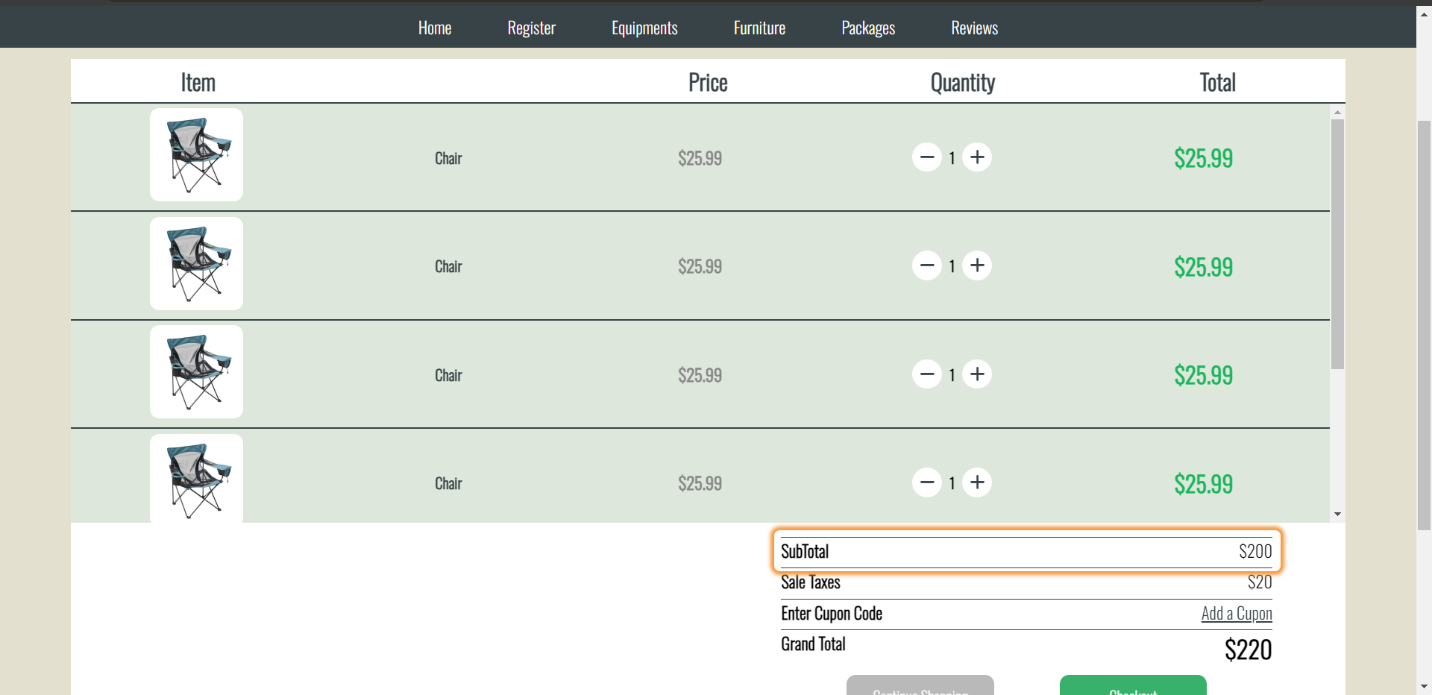
**Using screen reader on equipment page**

****

**Using screen reader on furniture page**

****

**Using screen reader on cart page**

****

## How the website works for disabled users

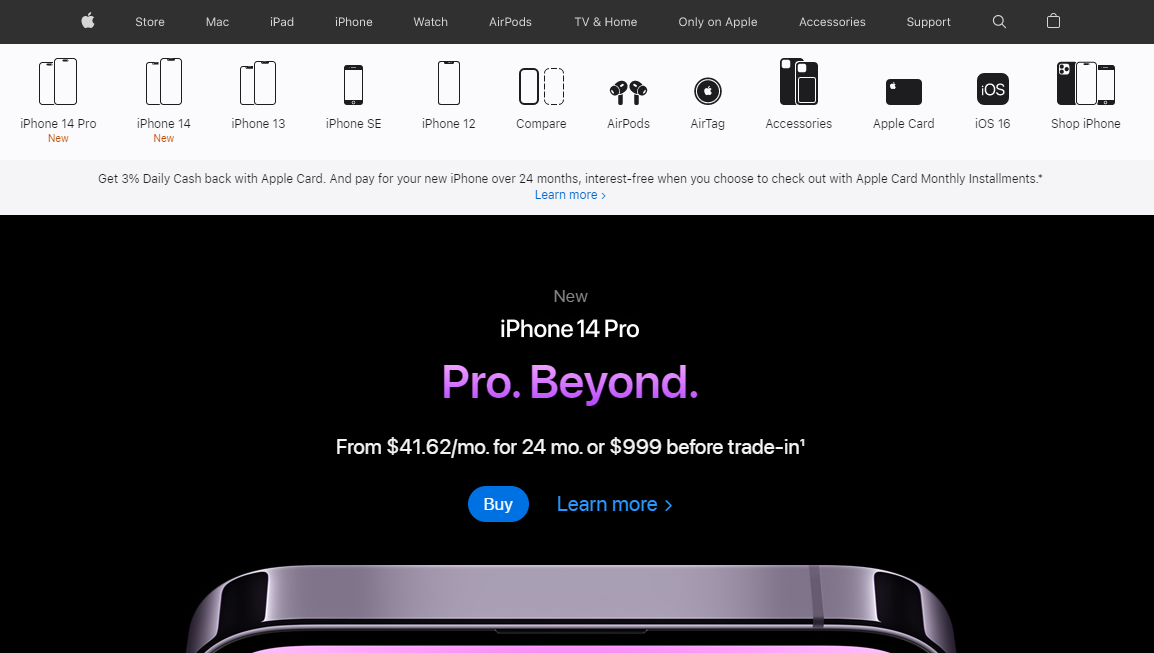
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

## Testing the website on two browsers

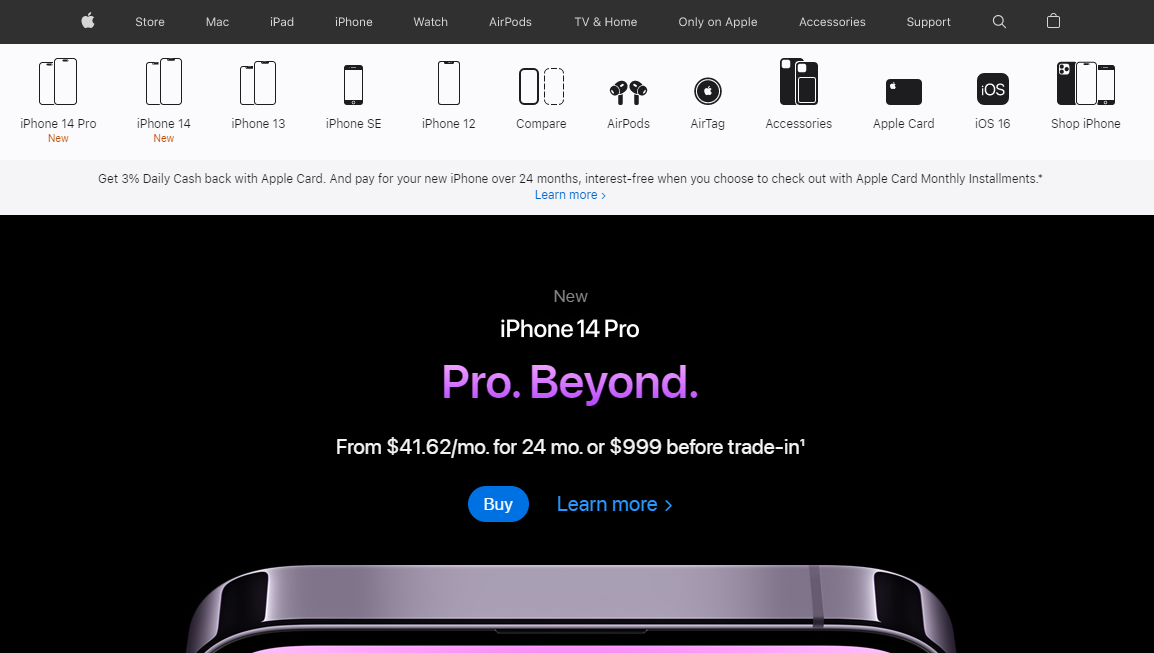
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

**Using Chrome for Home Page**



**Using Firefox for Home Page**



## Test Report

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

## The role of the W3C

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

**Task 4**

# 

# Task-4 Critical Evaluation

## 1. Three Different Plugins

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

## 2. Two Web Application

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

## 3. Two Business Benefit to RCC of using web services

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

## 4. Improvements for further development

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

# References

# Candidate checklist

Please use the following checklist to ensure that your work is ready for submission.

Have you read the NCC Education documents 'What is Academic Misconduct? Guidance for Candidates' and 'Avoiding Plagiarism and Collusion: Guidance for Candidates' and ensured that you have acknowledge all the sources that you have used in your work?



Have you completed the 'Statement and Confirmation of Own Work' form and attached it to your assignment? You must do this.



Have you ensured that your work has not gone over or under the recommended word count by more than 10%?



Have you ensured that your work does not contain viruses and can be run directly?

