Assessment 2 – Develop Your Website

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Student Name | | Alex Small | | CIT Number | CIT262249 | |
| Competency Title, Code and Banner Code  CRN | | Create and Style Simple Markup Language Documents, ICTWEB431  INFT 1042 | | | | |
| Assessment Type | | Written  Case Study  Project  Assignment  Other | | | | |
| Assessment Name | | Assessment 2 – Develop Your Website | | | | |
| Assessment Date | | See the subject guide | | | | |
| Student Statement: This assessment is my own work. Any ideas and comments made by other people have been acknowledged. I understand that by emailing or submitting this assessment electronically, I agree to this statement. | | | | | | |
| Student Signature | |  | | Date |  | |
| PRIVACY DISCLAIMER: CIT is collecting your personal information for assessment purposes. The information will only be used in accordance with the CIT Privacy Policy. | | | | | | |
| Assessor Feedback  q Student provided with feedback | | | | | | |
| Attempt 1 | | Satisfactory | Not Yet Satisfactory | | Date | / / |
| Attempt 2 | | Satisfactory | Not Yet Satisfactory | | Date | / / |
| Assessor Name |  | | Assessor Signature | |  | |
| Note from Assessor: Please record any reasonable adjustment that has occurred for this assessment. | | | | | | |

**Time Allowed**: See Subject Guide for Assessments due dates.

**Assessment Range and Conditions**:

There are three (3) parts to this assessment:

1. Develop Your Website
2. Cross-browser Testing
3. Form Testing

In this assessment, you will provide evidence of your ability to:

* Analyse and interpret information from technical documents
* Use specific software and technical language to produce a functioning website according to specifications and requirements
* Develop test plans and carry out testing on a website
* Document test results

**Materials Provided:**

The following materials and resources have been provided:

* Assessment Scenario documentation
* Assessment 1 – The Website Project Pitch (marked, feedback provided)
* Assessment 2 – Develop Your Website (assessment sheet)
* Sample documents:
  + Cross-browser Testing
  + Form Test Cases
* Document Templates:
  + Cross-browser Testing– provide screenshots for each web browser tests
  + Form Testing – provide screenshots of the form test with default mail client launch This will be completed and signed off by your peer.

**Materials you will need:**

* Your website project brief
* Writing materials
* External storage device e.g., thumb drive

**The technical environment**

* Access to a computer with supporting MS Software applications such as MS Visual Studio Code, MS Office, etc.
* Reliable computer with internet access, and access to eLearn learning resources

**Information for Students:** You may have two (2) attempts for this assessment.

* If your **first** attempt is not successful, your teacher will discuss your results with you and will arrange a second attempt.
* If your **second** attempt is not successful, you will be required to re-enrol in this unit.

Only one re-assessment attempt will be granted for each assessment item.

## **Assessment Task Instructions for Students:**

The time has come for the development phase of your website project. According to the information you have been provided in the **Assessment** **Scenario** and the information you gathered in **Assessment** **1**, build your website.

**Task 1– Develop Your Website**

Your website should make full use of HTML5 structural elements and CSS styling. You will need to ensure all the following criteria have been met to receive a grade of **Satisfactory** for this part of the assessment.

**Website checklist:**

1a: The overall website must have the following:

|  |  |
| --- | --- |
| The website has at least three (3) pages |  |
| The name and purpose of your site must be clearly communicated |  |

1bi: The website adheres to the web development standards for filing and naming conventions and will demonstrate the following:

* Images must be stored in a separate folder
* File names are meaningful
* The home page contains the correct file extension (i.e., index.html)
* Only one external CSS folder is used for the site and all other pages are linked to it.

1bii: Provide a screenshot image of your website root folder demonstrating the following in the table below:

* Nesting of folders follows the industry acceptable standards for web development
* Files stored in a logical folder structure

|  |
| --- |
|  |

1c: The following essential declarations are correctly included in all web project files:

|  |
| --- |
| * HTML Document Type Declaration (HTML DTD) * ‘<!DOCTYPE html>’ |
| * HTML Character Set Declaration (in the head section) * ‘<meta charset=”UTF-8”>’ |
| * CSS Linking (in the head section)   ‘<link rel=”stylesheet” href=”styles.css”>’ |
| * Viewport Meta Tag (optional, but recommended for responsive design) * ‘<meta name=”viewport” content=”width=device-width, initial-scale=1.0”>’ |

1d: The website demonstrates the following web design elements to an acceptable industry standard:

|  |  |
| --- | --- |
| Clear and suitable fonts |  |
| Appropriate colour scheme and palette used throughout the website to create visual harmony |  |
| Images and other visual elements enhance the website’s content |  |
| Consistent navigation menu and interactive elements (grid, table, or flexbox layout) that allow users to move between different pages and sections of the website |  |

1e: At least one page MUST contain a form that includes the following fields:

|  |
| --- |
| * + The form must contain the following fields: * First Name * Last Name * Email Address * Comments   \*These fields are required – the form must not submit if any of these fields are left blank  \*Additional fields may be added if required   * The form must include a Submit and Reset |

1f: The website will demonstrate a code that is well organised, structured and formatted as follows:

|  |  |
| --- | --- |
| * Consistent indentation |  |
| * Descriptive Variable and Function Names (e.g., clear headings, body, or sections) |  |
| * Clear Formatting and Whitespace |  |
| * Helpful Comments if included |  |
| * Avoidance of overly long lines |  |
| * Logical Grouping |  |
| * Minimal complexity |  |
| * Consistent Coding style |  |
| * All HTML and CSS files are free from mistakes or issues. |  |
| * The website is developed to industry best practices (professional) |  |

## **Task 2 – Cross-browser testing**

You will need to test your website in at least two different browsers (i.e., Google Chrome and Microsoft Edge). Using the **Cross-browser Testing** template provided, document the tests you have completed, and any issues or inconsistencies detected. If no issues are found, enter **No issues detected**.

**2a: Cross-Browser Testing Document**

**Project: (Project Name)**

**Website URL:**

**Testing Date:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project: (Project Name)** | **Rocks Gems and Minerals** | | |
| **Website URL:** | **Live Server extension** | | |
| **Testing Date:** | **12-06-2024** | | |
| **Website 1:** e.g., Google Chrome, Mozilla Firefox, Microsoft Edge (version) | **Mozilla Firefox** | | |
| **Operating systems:** e.g., Windows, macOS | **Windows 10** | | |
| **Test Cases:** | **Issues Found:**  Briefly list any issues bugs or inconsistencies found along with their impact on the website functionality | **Has the issue been resolved? – Y/N** | **Comments** |
| Home Page Check   * Check layout design consistency * Verify navigation links work correctly * Website responsiveness loading speed * Interactive elements * Compatibility * Accessibility | Mozilla Firefox scrollbar | N | Mozilla Firefox doesn’t support custom scrollbars easily |
| Add test cases as necessary |  |  |  |
|  |  |  |  |

2b: **Cross-Browser Testing Document**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Website 2:** e.g., Google Chrome, Mozilla Firefox, Microsoft Edge (version) | | **Google Chrome** | | |
| **Operating systems:** e.g., Windows, macOS | | **Windows 10** | | |
| **Test Cases:** | **Issues Found:**  Briefly list any issues bugs or inconsistencies found along with their impact on the website functionality | | **Has the issue been resolved? – Y/N** | **Comments** |
| Home Page Check   * Check layout design consistency * Verify navigation links work correctly * Website responsiveness loading speed * Interactive elements * Compatibility * Accessibility | N/A | | N/A | N/A |
| Add test cases as necessary |  | |  |  |
|  |  | |  |  |

2c: Validate the website using the industry tools (You will use the [**W3C Validator tool**](https://validator.w3.org/)). Provide a screenshot image showing the results from the validator tool.

|  |
| --- |
| Home:  Rocks:  Gems:  Minerals:  Store:  Contact Us:  CSS: |

## **Task 3 – Form Testing**

For the following tasks, students will complete in pairs in class. You will take turns to test your colleague’s website and complete the form, sign-off and return the signed form to your peer to upload it with their website files.

Include screenshots for the form testing in the space provided.

For this task, you will be required to:

* Provide your web form for testing by another student
* Complete testing processes on another student’s website

3a: Include a screenshot image here for the form testing demonstrating the field entries and default mail client launch.

|  |
| --- |
|  |

3b: Include a screenshot image here for the form testing demonstrating the ‘***required field***’ entry prompt. The image will include both the ‘**Submit**’ and ‘**Reset**’ buttons.

|  |
| --- |
|  |

3c: Website Form Testing Document:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project: (Project Name)** | | | Rocks, Gems and Minerals | | **Form Name:** | | Contact Us.html | |
| **Website URL:** | | | Live Server | | **Tested Browsers:** | | Microsoft Edge | |
| **Testing Date:** | | | 05/06/24 | |  | |  | |
| Test Case ID | Test Case | | Description | Test Steps. | Expected Results | Pass / Fail | Checked by: | Verified by: |
| WP01 | Field Validation | | Test that required fields are validated properly | Try submitting without filling in a required field | Verify that an appropriate error message is displayed | Close with solid fill  Email field did not require ‘@’ symbol | Alex S | D.B |
| WP02 | Data submission | | Verify that the form can be submitted successfully with valid data. | Try with valid data | Check if the data is correctly processed. | Checkmark with solid fill | Alex S | D.B |
| Signatures: | | | | | | | | |
| Web Developer: | | Alex S | | | | | | |
| Quality Assurance Officer: | | Dylan Burt | | | | | | |
| Date: | | 05/06/24 | | | | | | |

* **Add Test cases corresponding to your website.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Marking Guide** **Marking rubric** | **Attempt 1**  **Date:** | | **Attempt 2**  **Date:** | |
| During the task, the following skills were demonstrated satisfactorily: | **S\*** | **NYS\*** | **S** | **NYS** |
| **Assessment 2** |  |  |  |  |
| 1. Has met the project’s deadlines. The project was submitted by the due date. | ☐ | ☐ | ☐ | ☐ |
| 1. The website has at least three (3) pages | ☐ | ☐ | ☐ | ☐ |
| 1. The name and purpose of your site must be clearly communicated | ☐ | ☐ | ☐ | ☐ |
| 1. The website adheres to the web development standards for filing and naming conventions and will demonstrate the following:    1. Images must be stored in a separate folder | ☐ | ☐ | ☐ | ☐ |
| * 1. File names are meaningful | ☐ | ☐ | ☐ | ☐ |
| * 1. The home page contains the correct file extension (i.e., index.html) | ☐ | ☐ | ☐ | ☐ |
| * 1. Only one external CSS folder is used for the site and all other pages are linked to it. | ☐ | ☐ | ☐ | ☐ |
| 1. Provide a screenshot image of your website root folder demonstrating the following in the table below:    1. Nesting of folders follows the industry acceptable standards for web development | ☐ | ☐ | ☐ | ☐ |
| * 1. Files stored in a logical folder structure | ☐ | ☐ | ☐ | ☐ |
| 1. The following essential declarations are correctly included in all web project files:    1. HTML Document Type Declaration (HTML DTD) | ☐ | ☐ | ☐ | ☐ |
| * 1. HTML Character Set Declaration (in the head section) | ☐ | ☐ | ☐ | ☐ |
| * 1. CSS Linking (in the head section) | ☐ | ☐ | ☐ | ☐ |
| * 1. Viewport Meta Tag (optional, but recommended for responsive design) | ☐ | ☐ | ☐ | ☐ |
| 1. The website demonstrates the following web design elements to an acceptable industry standard:    1. Clear and suitable fonts | ☐ | ☐ | ☐ | ☐ |
| * 1. Appropriate colour scheme and palette used throughout the website to create visual harmony | ☐ | ☐ | ☐ | ☐ |
| c) Images and other visual elements enhance the website’s content | ☐ | ☐ | ☐ | ☐ |
| 1. Consistent navigation menu and interactive elements (grid, table, or flexbox layout) that allow users to move between different pages and sections of the website | ☐ | ☐ | ☐ | ☐ |
| 1. At least on page MUST contain a form that includes the following fields: 2. The form must contain the following fields:    * + First Name      + Last Name      + Email Address      + Comments   \*These fields are required – the form must not submit if any of these fields are left blank  \*Additional fields may be added if required | ☐ | ☐ | ☐ | ☐ |
| 1. The form must include a Submit and Reset buttons | ☐ | ☐ | ☐ | ☐ |
| 1. The form must include Radio buttons appropriate for the website | ☐ | ☐ | ☐ | ☐ |
| 1. The form must include a general comments box | ☐ | ☐ | ☐ | ☐ |
| 1. The website will demonstrate a code that is well organised, structured and formatted as follows: 2. Consistent indentation | ☐ | ☐ | ☐ | ☐ |
| 1. Descriptive Variable and Function Names (e.g., clear headings, body, or sections) | ☐ | ☐ | ☐ | ☐ |
| 1. Clear Formatting and Whitespace | ☐ | ☐ | ☐ | ☐ |
| 1. Helpful Comments if included | ☐ | ☐ | ☐ | ☐ |
| 1. Avoidance of overly long lines | ☐ | ☐ | ☐ | ☐ |
| 1. Logical Grouping | ☐ | ☐ | ☐ | ☐ |
| 1. Minimal complexity | ☐ | ☐ | ☐ | ☐ |
| 1. Consistent Coding style | ☐ | ☐ | ☐ | ☐ |
| 1. All HTML and CSS files are free from mistakes or issues. | ☐ | ☐ | ☐ | ☐ |
| 1. The website is developed to industry best practices (professional) | ☐ | ☐ | ☐ | ☐ |
| 1. Has tested the website in at least **two (2)** different websites and evidenced submitted.    1. Cross-Browser 1 Testing Document | ☐ | ☐ | ☐ | ☐ |
| * 1. Cross-Browser 2 Testing Document | ☐ | ☐ | ☐ | ☐ |
| 1. Completed the form testing and captured **two (2)** screenshots images as follows:    1. Has included a screenshot image for the form testing demonstrating the field entries and default mail client launch | ☐ | ☐ | ☐ | ☐ |
| * 1. Has included a screenshot image here for the form testing demonstrating the ‘***required field***’ entry prompt. The image will also include both the ‘**Submit**’ and ‘**Reset**’ buttons. | ☐ | ☐ | ☐ | ☐ |
| * 1. Has provide a screenshot image showing the results from the W3C validator tool. | ☐ | ☐ | ☐ | ☐ |
| 1. Has completed and included the Website Form Testing Document which has been signed off by another peer. | ☐ | ☐ | ☐ | ☐ |

\*S = Satisfactory \*NYS = Not Yet Satisfactory