# **AS 91903 Tramping Club Website**

# **Student Instructions**

## **Introduction**

Before you start, read through all the information given to you. Make sure you understand what you are being asked to do and at what level you must perform to obtain Achievement, Achievement with Merit or Achievement with Excellence for this Standard.

## **Conditions**

* This is an individual assessment task.
* You have three weeks’ time to complete it, plus two periods for a resubmission.
* You must save your files as these will also be used as evidence of your final outcome.
* This assessment is open book, meaning you can refer to the class resource materials on Google Classroom. However, you can’t just copy and paste your class work for the assessment.
* Y**ou may NOT access any artificial intelligence sites for assistance.**
* Submissions will be closed after the due date.
* You will be expected to upload your zipped progress and **consult your stakeholder** (teacher) TWICE during the assignment. Dates are provided on Google Classroom.
* You must sign and upload the attached honesty declaration with your completed assessment..

## **Resource Requirements**

* You are not required to generate text for your website.
* Text, some photos and media are provided on the Google Classroom and other content.
* For other text, you may add a sentence or two of lorem ipsum (https://www.lipsum.com/)
* You may use copyright-free photos from sites such as Pixabay.com
* You are responsible for presenting the text and images in the best possible way for reading on the Web (this includes ensuring that it has suitable headings, subheadings and main body text structure and uses CSS to style these elements appropriately).

## **The Standard**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Achieved | Merit | Excellence |
| Tools and Techniques | * applying appropriate **tools and techniques** for the purpose and end users | Not Applicable | * using **efficient** tools and techniques in the outcome’s production. |
| Testing (do at least 3) | * applying appropriate data integrity and **testing** procedures | * **using information** from testing procedures **to improve the quality of the outcome** | * **iterative improvement** throughout the design, development and testing process to produce a **high-quality outcome** |
| Implications (do at least 3) | * applying relevant **implications**. | Not Applicable | Not Applicable |
| UX (User Experience)  (do at least 2) | * **applying user experience principles** relevant to the purpose of the outcome | * applying user experience principles to **improve the quality** of the digital media outcome |  |

Task: Create a Tramping Club Website Project

**1. Purpose of the Outcome:**

The purpose of this project is to create a website for a tramping club that allows members to find and organize local group tramps, share track information, and engage with the tramping community. The website should be easy to use, visually appealing, and functional across multiple devices.

**2. Requirements of the End Users:**

The primary users of the website are members of the tramping club, who are likely outdoor enthusiasts, hikers, and nature lovers. They need a platform that:

* Provides clear information on three hiking tracks, including **difficulty, distance, and key features.**
* Offers a pop-up (modal) form to **sign up** for group tramps.
* Is accessible and usable on **mobile devices**, as many users may access the site while on the go.
* Offers advice on tramping procedures
* Creates three web pages, with combinations of images and text.
* Adds appropriate headings and subheads
* Uses images, logo and provided by the stakeholder (see **Tramping images** folder)
* Uses the contact address details:

Blenheim Office Picton Office

5 Stephenson St 173 Waikawa Road

Blenheim Picton

Cell 021 578 0119 Cell 021 573 6558

Email: admin@marlboroughtramps.co.nz

**3. Website Creation Using Appropriate Tools, Techniques, and Conventions:**

Create the website using the following tools, techniques, and industry conventions:

* **Responsive Design:** Ensure the website works seamlessly on **multiple devices** (e.g., desktops, tablets, smartphones).
* **Interactivity:** Implement interactive features such as:
  + A **collapsible navigation menu** for easy access on smaller screens.
  + **Buttons** that change appearance on hover or click to provide visual feedback.
  + An **image slideshow** to display photos from past walks.
* **Industry guidelines (conventions) including semantic HTML:** Structure your HTML using **semantic elements** to improve accessibility, SEO, and maintainability.
* **Apply relevant website conventions** (eg semantic HTML and design principles) and apply these to improve the quality of the website.
* **Apply appropriate data integrity and testing procedures.** Use these to continually improve the quality and functionality of the website throughout the design, development and testing procedures.
* **Apply user experience principles relevant to the purpose of the website.** Use these to iteratively improve the quality of the website
* **Address implications relevant to the website and its development.**

**4. Addressing Relevant Implications (at least three):**

Ensure that the website addresses the **relevant implications:**

* Social and Cultural
* Legal
* Ethical
* Intellectual Property
* Privacy/Confidentiality
* Accessibility
* Usability
* Functionality
* Aesthetics
* Sustainability and Future-Proofing
* End-User Considerations
* Health and Safety

**5. Applying User Experience (UX) Principles (at least two):**

* Accessibility
* Focus on the Target User:
* Consistency
* Simplicity
* Font Styling (Typography)
* Usability Testing
* Hierarchy
* Providing Feedback

**6. Applying Data Integrity and Testing Procedures (at least three):**

* **Data Integrity:** Validate form inputs (e.g., user sign-ups) to ensure correct and reliable data.
* **Testing:**
  + Test the website’s responsiveness on different devices and screen sizes.
  + Ensure all interactive elements work as intended.
  + Check for accessibility issues, such as missing alt text or insufficient contrast.
  + Use tools like the W3C Validator to validate HTML and CSS. Correct any errors.
  + Conduct usability testing with the stakeholder and actual users, gathering feedback to improve the site’s functionality and user experience.

**Merit Level:**

**Apply UX Principles for Quality Improvement:**

* + Use **feedback** from usability tests to iteratively enhance the website.
  + **Experiment with different design elements** (e.g., colour schemes, typography) to find the most effective combinations.
  + Incorporate **Google Fonts** for better typography and **use normalize.css** for consistent styling across browsers.
  + **Apply design techniques** like partial transparency, link state styling, and CSS Grid for a polished, professional look.

**Excellence Level:**

**Continual Improvement:**

* + Begin by designing the homepage and seek feedback from end-users on both its appearance and functionality.
  + Implement suggested changes, then expand the website by adding more pages and features.
  + **Regularly test and refine the website** throughout the development process, keeping detailed records of all improvements made based on testing results.

**Efficient Tools and Techniques:**

* + Use **wireframes and concept sketches** to plan the website’s design.
  + Take advantage of shortcuts and tools like **Visual Studio Code and Google Chrome DevTools** for efficient coding and debugging.
  + **Optimize images** using tools like https://tinypng.com/ to ensure fast loading times.
  + Apply **mobile-first design principles**, ensuring the website is fully functional on mobile devices before scaling up to larger screens.
  + **Comment your code clearly** to make it easier to understand and maintain.
  + **Use descriptive class and ID names**
  + **Validate** HTML and CSS code

**Evidence to be submitted:**

1. Submit the **completed website in zip format,** containing HTML, CSS and media files
2. A written description of how you addressed the **relevant implications**
3. Records of how you completed **data integrity and testing procedures** when developing the website. This could include:

* a testing table
* annotated screenshots (eg showing the version of a webpage you tested and the changes made as a consequence of testing)
* a video of no more than 3 minutes showing how you conducted the testing
* stakeholder feedback records
* screenshots of completed validation procedures etc