92005 Assessment Submission

1. What is the purpose?

The purpose of my website is to promote water conservation in New Zealand. I aim to create an appealing,information, and engaging website specifically for MRGS students, encouraging them to understand and know the important message of Kaitiakitanga. This environmental advisory website will try to make it reach a wide amount of students/people. The website will be user-friendly, and easy access, helping everyone take simple actions to save water for future generations.

2. Who are the potential users?

The primary users are MRGS students, mainly teenagers, who will benefit from the engaging and educational content of water conservation and the concept of Kaitiakitanga. These students are encouraged to adopt water-saving habits. Additionally teachers are potential users meaning they can use the website as a teaching resource for lessons and to encourage students to learn more about water conservation. Beyond MRGS,The website aims to reach a wide range of users.

3. What are the requirements?

- **Respect** and **inclusivity** is very important for my website because MRGS students come from nationalities, ethnicities, religions, and ages between the age 13 till 18.
- The website must avoid **offensive language, pictures, and videos** so that it is friendly and suitable for everyone.
- It should be made to **Include all students (falls down under Respect as well)**, making everyone feel welcome and connected to the website.
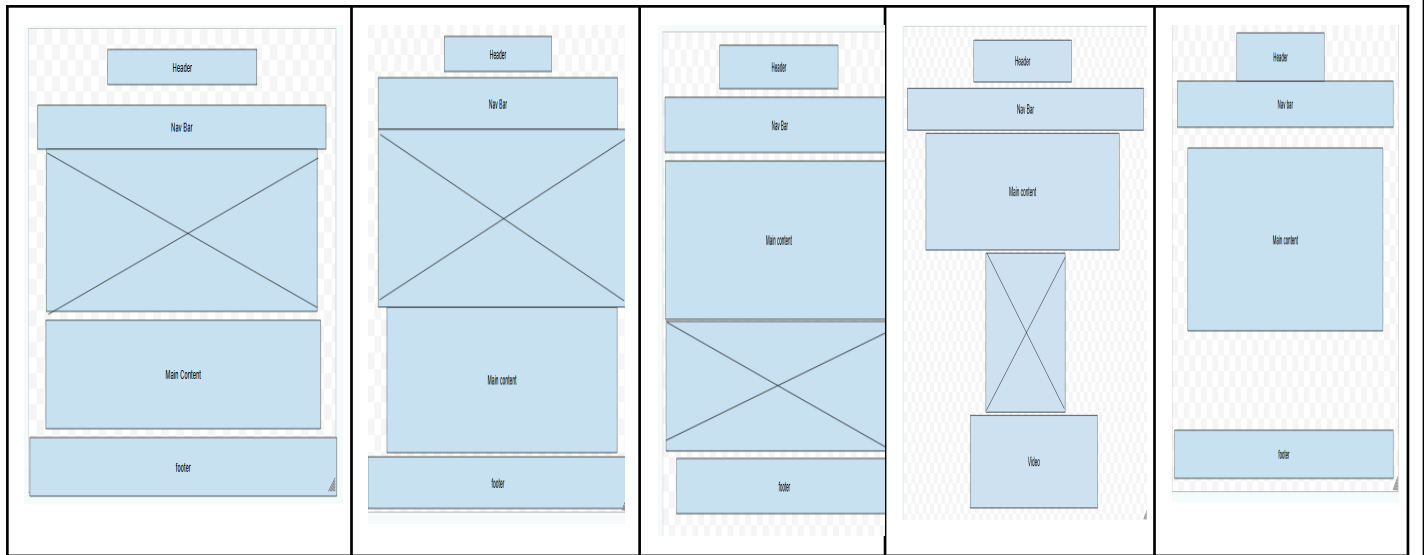
4. What are the specifications?

- The website must have at least **3 pages**
- Be designed to work well and look good on **PCs, Iphones, pads, and Laptop**
- It won't include any **inappropriate language, videos, or images.**
- There must be **consistency in font, colours, and the navigation Bar.**
- Each Page should Include at least **1 picture or video.**
- The website will talk about **conservation of Water**
- The title should be **centered** with **colors that stand out** to make the website visually appealing.

5. What tools and techniques did you use in developing the website?

I began my website development by creating wireframes for each page, which helps me visualise and plan the layout, structure, and flow of content before starting the coding process. Designing wireframes allowed me to carefully think about where heading, text, image, and nav bar would be positioned, making sure that the pages were simple, user- friendly, and easy to navigate. Once I was happy with the layout, I started my HTML. I linked an CSS to each page so that all styling could be controlled in one place. In my CSS I resized my images using keeping the appearance tidy and professional across the whole website.I also embedded content like youtube videos by carefully editing the Iframe and height values to fit within my layout.

Home	What is it	Why it matters	Tips	Contact

|	
Header	Header
Nav Bar	Nav Bar
(Main Content)	(Main content)
Main Content	Main content
footer	footer

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6. What testing (you checking your website) did you do to make sure it met the basic functionality?

Page 1- home
I tested the homepage to ensure that the header, navigation bar, and introductory text displayed correctly on desktop and mobile devices. I checked that all navigation links worked and directed users to the correct page without errors. I also verified that the background colour, font style, and spacing matched my CSS design
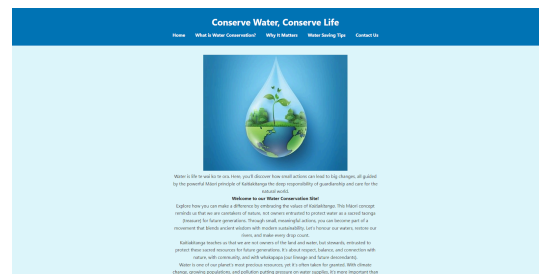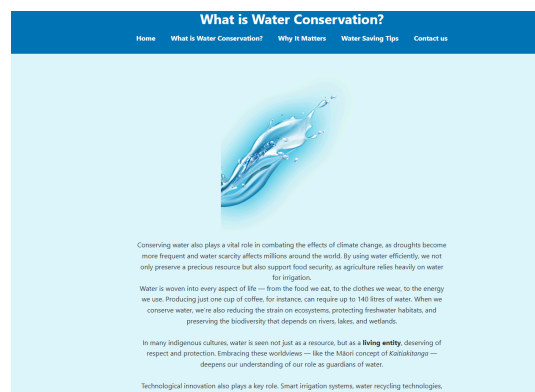

Page 2-what is water conservation
I tested that the text flowed properly and that the image loaded at the correct size. I made sure there was enough white space around the image and that the footer stated at the bottom of the page. I checked that Maori terms such as Kaitiaktiana displayed correctly with intended formatting.
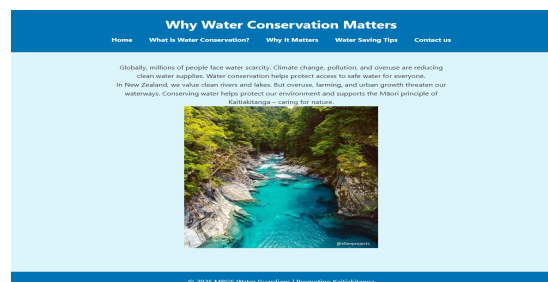

Page 3- why it matters
I verified that the paragraphs were legend correctly, the image of NZ river displayed at full quality, and the content was centred on all screen sizes. I also tested navigation from this page back to others to ensure the menu was consistent and functional.
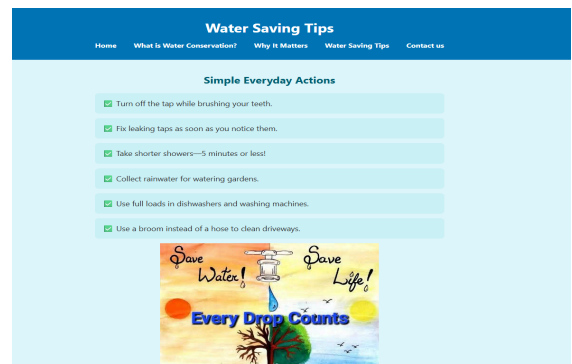
Page 4-tips Initially, the image had an error because there was space in between the name of the image. I fixed this by removing the space. I then retested to confirm the image loaded successfully. I also tested the youtube video to ensure it played correctly and that it didn't overlap any other content.	
Page 5-contact I tested the concat page to make sure that required fields worked properly, meaning users could not submit the form without filling in their name, email, and message. I also checked that the button was in the correct spot, styled correctly.	
CSS I validated my CSS to ensure there were no errors. I tested that all colour codes, padding, and margins applied as expected, and the responsive video worked on different screen sizes.	

7. What improvements did you make as a result of your testing?

After fully testing my water conservation website on different screen sizes and browsers, I realized that although my links and pages worked, visually it looked too plain and text heavy to even grab the attention of teenage students. The first improvement I made was to introduce a light and dark blue palette, representing water and nature, rather than leaving it black and white. I inserted in the website a water droplet image and added it to the home page to give the site a stronger identity, while also inserting an eye-catching video to immediately engage users when they press on the page.

Next, I shortened my paragraphs using my editing skills to summarise my long paragraphs, so that users wouldn't feel overwhelmed when scrolling. I then moved more detailed content such as Tips, so that each page had a clear focus and a better flow. During my testing I felt like my image wasn't eye-catching so I went online and looked for a better image to attract the users. To be honest, finding more eye-catching images immediately made the website seem more modern, encouraging users to actually continue looking through the information.

While testing my "Tips" page, I was worried users would lose interest, so I embedded a motivational youtube video about water conservation tips. I also added extra space between different sections, and made sure all the photos were in the right spot.

8. How did these changes improve the website's fitness for purpose?

These improvements made my website way more engaging, visually appealing, and effective in spreading the message of water conservation for my users. Shortening texts and organizing content into different pages has made the information easier to understand and less overwhelming for my users

9. What conventions did you follow?

1. Visibility of system status
- I kept users informed about where they are on the site by having a consistent header and nav Bar on every page. The page title and heading clearly match the content of the page, so users instantly know where they are.

2. Match between system and the real world
- I used clear, everyday language like "tips" and "why it matters" instead of technical terms. Maori concepts such as Kaitakitana are explained in context so all users can understand them.Images of water, rivers, and nature match the content being discussed.

3. User control and freedom
- Navigation is available on every page, so users can freely move to any section of the site without having to click "back" links are clear, and there are no traps that force users to stay on one page.

4. Consistency and standards
- The same colours,fonts, and navigation menu appears across all pages. The footer is consistent too, with the same style on every page. Headings follow the same formatting rules for clarity.

5. Error prevention
- The contact from users required fields and correct type for the email input so users cannot submit an incomplete or incorrect form. This prevents mistakes.

6. Recognition rather than recall
- Users don't have to remember where things are, each page is clearly titled and labelled. The navigation menu uses clear wording, and the layout repeats familiar patterns so users recognize the design immediately.

7. Flexibility and efficiency of use
- The site is responsive and works well on different devices thanks to my CSS layout. This makes it accessible for desktops and phone users without extra effort.

8. Aesthetic and minimalist design
- I chose different shades of blue to match the water theme and avoided overcrowding pages with too much text by summarising long paragraphs. The design is clean with white space to make reading easier.

9. Help users with errors
- If a user forgets to fill in the contact form correctly, the browser highlights the empty or incorrect fields so they can fix them easily before submitting.

10. Help and documentation
- The "contact" page gives clear instructions on how to get in touch, and the footer reinforces the site's purposes('promoting kaitakitanga') so users are reminded of its main goal on every page.

10. What trialling did you do to develop the outcome?

To develop my water conservation website, I trialled different layout, colours, and media elements to decide what would be most effective for my target audience of MRGS students. At the start, I experimented with a plain black and white theme, but found it looked too formal and uninviting, so I tested a range of different shades of blue colour schemes that better reflected the water theme. I triekked different font sizes and alignments in my CSS to ensure text was readable on both desktop

and mobile devices

Throughout development, I trilled my site on multiple devices and to make sure the layout, images, and videos worked consistently. Each trial allowed me to refine the design and functionality so the final outcome was visually appealing, easy to navigate, and fully functional.

11. What improvements did you make as a result of your trialling?

As a result of my trialling, I improved the site's visual appeal, usability, and responsiveness. I replaced the original plain design with different shades of blue colour scheme to match the water theme. On the homepage, I chose a single high quality image instead of a slideshow for faster loading and consistent display. On the tips page, I swapped standard bullets for ✅ icon, and added a video in it as well and made sure it looked good in all devices. I centred the contact form and added required fields to prevent incomplete submissions. I also adjusted margins, padding in CSS for better mobile responsiveness. These changes made the website more engaging, consistent, and user-friendly.

12. How did these changes improve fitness for purpose?

These changes improved the website's fitness for purpose by making it more appealing, accessible, and effective at delivering the water conservation message to MRGS students. The different shades of blue colour scheme and high quality images create a strong visual connection to the themes, encouraging students to stay and explore the site. The responsive design, including images and the video that scales to different screen sizes, ensures the site works equally well on the phone, tablets, and desktops. The tips page is now easier to scan with the ✅ icon, improving readability. The centred contact form with required fields makes communication straightforward and prevents incomplete submissions. Overall, these improvements have made the site more engaging, user-friendly, and capable of achieving its goal of inspiring water conservation action.

13. How can you show the tools and techniques you applied were effective in producing a fit-for-purpose outcome?

I showed my tools and techniques were effective by testing the site on different devices, checking the navigation, forms, images, and videos all worked correctly, accessible, and visually appealing, meeting its purpose of engaging MRGS students in water conservation

- **Consistent layout-** HTML and CSS kept navigation, heading, and footers the same on every page
- **Responsive design-** Video and images worked well on both desktop and mobile.
- **Functionality-** Tested navigation links, form validation, and video playback on multiple devices
- **Visual appel-** Different shades of blue theme, high quality images, and ✅ icons improved engagement.
- **Positive feedback-** Peers said the site was easy to read and visually attractive

14. Discuss how your website promotes kaitiakitanga and what evidence you have from your trailing to show this.

My website promotes Kaitiakitanga by explaining its meaning and linking it to practical water-saving actions. The different shades of blue colour scheme, image of clear water, and tips with ✅ icon visually supports the idea of guardanship. From my trailing, peer feedback showed that including Kaitiankitanga in both text and visuals made the site more engaging and culturally relevant. Testing also confirmed that the tips page and embedded video kept users' attention, helping them understand and apply the concept in everyday life