NZQA

Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 2 Digital Technologies and Hangarau Matihiko 2023

91899 Present a summary of developing a digital outcome

EXEMPLAR

Achievement   TOTAL **04**

INSTRUCTIONS

The task in this assessment requires you to discuss a digital outcome you developed within the past 12 months.

You must illustrate your answers with three images you have prepared in advance:

- a single image of the digital outcome (e.g. a website, a poster, an electronic device)
- a single image of a digital component of the outcome in the software used to create it
- a single image of the development process.

During this assessment, you may access only the three images you have prepared in advance. You may not access your digital outcome, any other online or paper resources, or the internet.
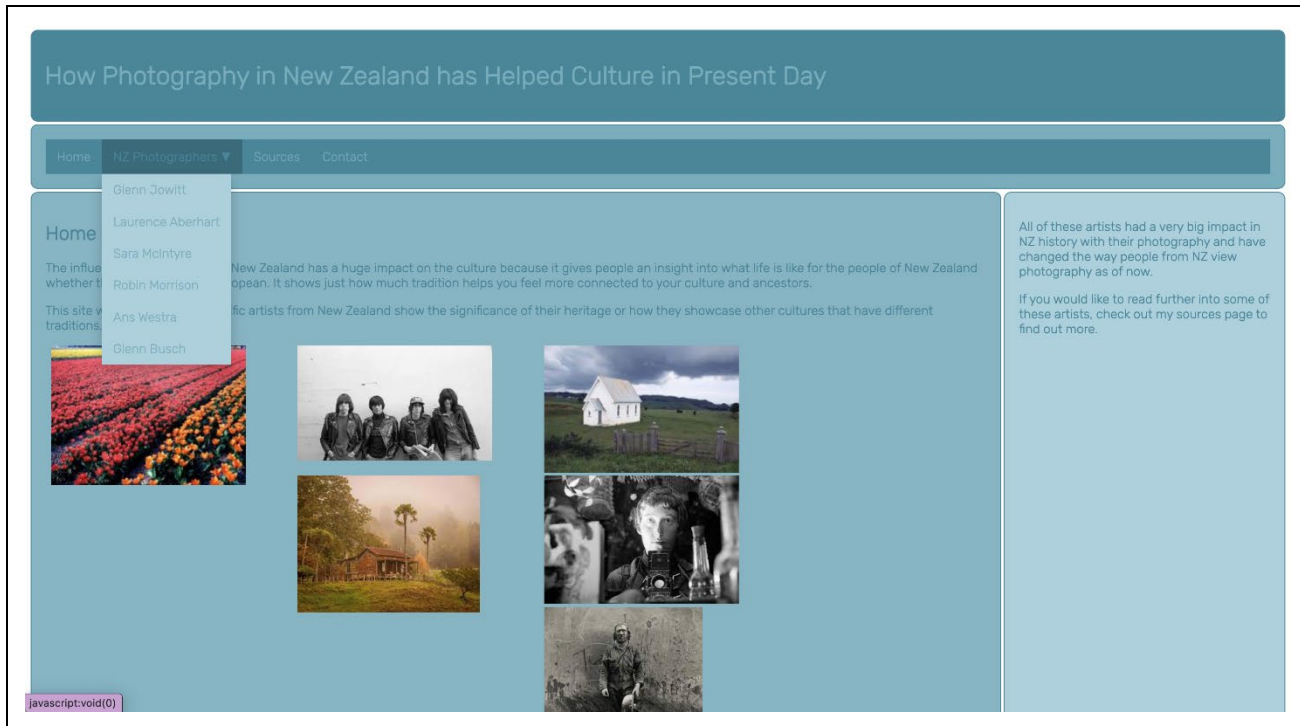
If you developed your digital outcome as part of a group, you must write about your role and specific contributions to the project.

Read all parts of the task before you begin.

ASSESSMENT TASK

Your outcome

(a) (i) Insert the image you prepared of your finished outcome (what the end user sees).

(ii) Briefly describe the purpose of your digital outcome.

My digitial outcome was made to share with others about the significance of NZ photography and how it has affected New Zealand as a culture, I did this by sharing the stories of famous NZ photographers and who they were. I felt like as a culture we don't appretiate the beauty of New Zealand, but these photographers have captured this beauty in just a couple photos. Their photography has also shared with others about New Zealand deep culture and our beautiful landscapes. The purpose of this program was to share with others information about how the photographers daily lives tied into their photography and how their view of New Zealand, I thought that they have made a huge impact on how new photographers will go about their photos and projects.

(iii) Insert the image you prepared of a digital component of your outcome in the software used to create it.

(iv) What software did you use to create the digital component of your outcome?

When creating my program I used the coding software called 'Visual Studio'

How did you use your chosen software to create the digital outcome?

When starting the process of creating my digital outcome I was relatively new to coding and found 'Visual Studio' was a nice and easy software that was helpful to learn the ropes of coding. It was easy to navigate and I found it to be a great learning tool for me, as I was recommended it by my teacher, [redacted], it felt like a great place to start my coding journey, it was easy to use when coding on different devices because of how easy it was to quickly download then immedietly start working on my code. Visual Studio also helped me with all the aesthetics of my website and how everything turned out, it was easy to separate my web design and my main code from one another without mixing the two and not knowing where anything was. The software helped me with designing by making it easy to look about both my HTML and my CSS at the same time so when working on a single part of my website, for example the header, I could see exactly what I was looking at in both parts of coding, this is easier that looking at one page of code at a time and having to scroll through all my code just to find the single piece of code you are wanting to work on. This software also helped my with my coding by the use of comments, with functioning comments I was able to find anything that I had previously coded and be able to edit them without worrying about if I was changing the right bit of code or messing with my entire code by changing the wrong line of code.

(v)   What is a requirement you had that related to the **functionality** of your digital outcome?

In your answer you should:

- explain why the requirement was important
- explain how you addressed the requirement in your digital outcome
- provide specific examples.

> Requirement: Dropdown bar

Response

> In my digital outcome I felt it was needed that my navigation bar also had a dropdown bar this was because I needed a separate menu to show my photographers page. This felt important to me because it would help my users find all the pages much quicker, I felt like they needed easier methods than going through a bunch of different pages just to find on photographers page. I addressed this by adding my dropdown bar to my website and made it function the way I intended it to, this made me feel like my digital outcome was a lot more 'put together' and made the experience for users simple and well done. If I was only going onto my website just to look at one specific artist it would be way easier to use the dropdown bar provided to find an artist that if I had to go searching from page to page to find one specific page.

(vi)   What is a requirement you had that related to the **aesthetics** of your digital outcome?

In your answer you should:

- explain how you achieved the requirement when developing your digital outcome
- provide specific examples.

> Requirement: Colour palete

Response

> When making my website I knew that the colours I choose for my pages would matter, it would decide if the users would belive it was a credible wesite because if it looked too 'tackey' the user would feel like it was some fake made up website that was made to give people the wrong information, and if the website look fake to someone when they first went onto the website, they wouldn't stay to check if they were right, they would immedietly click off and find a 'better looking' website that looks more trusting, that's why I knew that my colour palete would affect whether a user would actually use the website or not. For my website I choose a nice light blue backdrop for my main body with the header and footer being a darker blue to add more colour to my pages, the side bar was lighter than my main body and gavethe website a simplistic feeling.

(vii) Discuss how you addressed **intellectual property** within your digital outcome.

In your answer you should:

- explain what you have done to address intellectual property within your outcome
- explain how this will benefit your outcome in the future.

When making a website that is sharing other peoples artwork, I knew that I couldn't just claim it as my own because that would be copyright but, I wasn't making a website to claim other peoples work as my own, I was wanting to share their work and the messages they were showing us. This is why on every page I made it clear whos work we were looking at and that the artist has reserved all copyright claims to their work. I was sharing their story and their work and I made sure that it was their work and never seemed like I was trying to take the credit for what they had done. This would've had benefitted my digital outcome because if someone tried to make the claim that I was trying to steal their work, I could show them that I had made it perfectly clear that I did not own this work and that the artists work we were looking at owns it and has reserved all copyright claims to their photos.

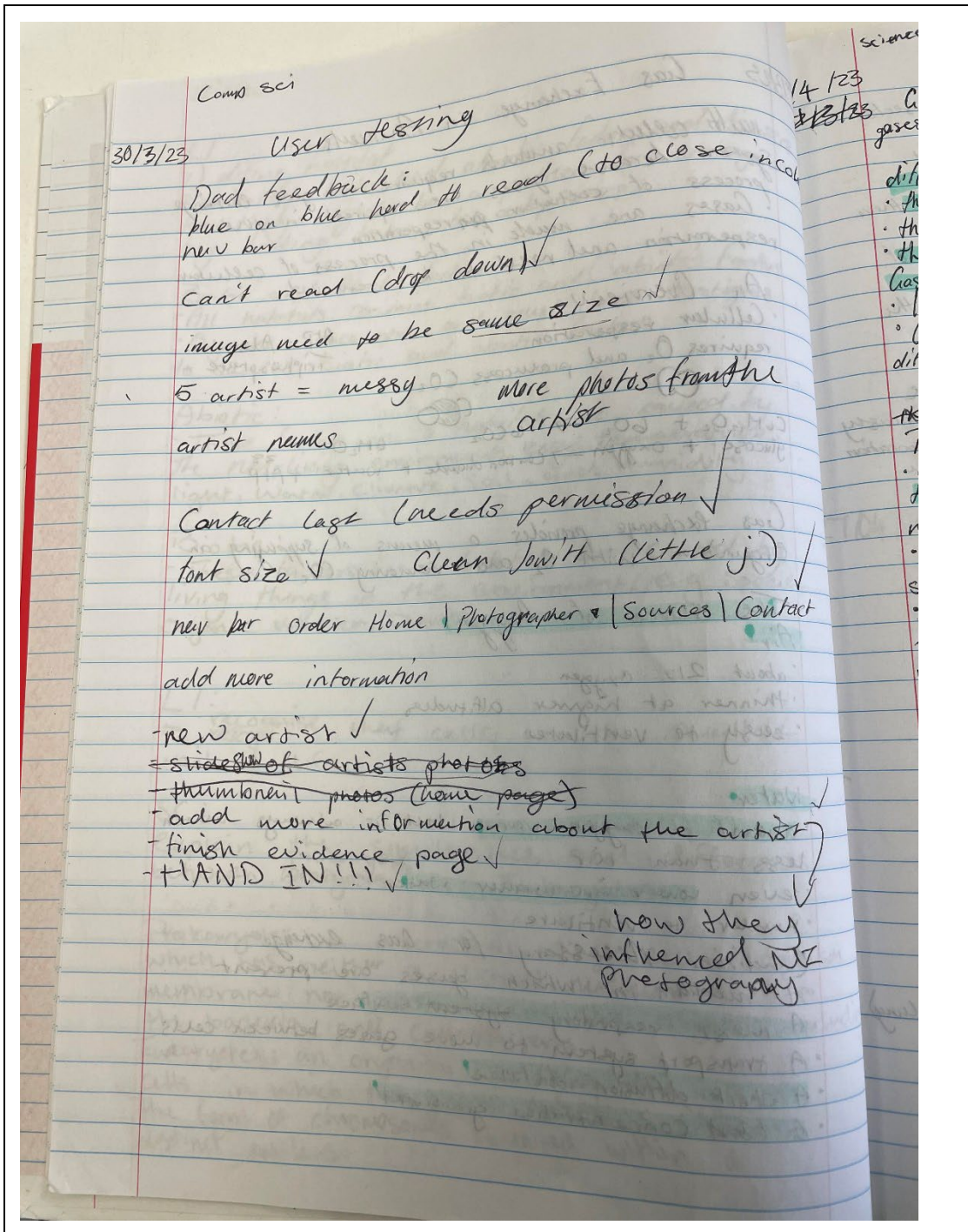(viii) Explain how **end user feedback** contributed to your outcome.

In your answer you should:

- explain who your end user was
- discuss the feedback they provided
- explain how the feedback contributed to your outcome.

When creating my website I intended for anyone to be able to use it, if you were knew to photography and wanted to see how other people style their photos, if you have been doing photography for some time and wanted to see some new ideas on what conventions there are, even if you have never done photography and just want to admire other peoples work and want to also learn a little bit about them and their photography journey as well, you could even compare your work to theirs and learn about why they have used the conventions the did in their photos, I wanted anyone to be able to use my website any way they felt needed. When reciving feed back from a user I found that they cared more about the images than the actual information on the artist and that it felt like their was not enough images to show what the artist was trying to say, so when I went back to work on my website I thought about how I could have the use of images be a focal point in my website and draw users attention to the photos so they might want to learn about the artist and the message they were trying to give. I went out and added more images that I felt best represented their work and projects and added images to the main page to 'give a preview' of what artist there was on the website. I felt like this had improved my website and made it so users were more inticed and wanted to go deeper into the website to understand the different artists and what story their photos were telling.

Development process

(b) (i) Insert the image you prepared of your development process.

(ii)   Describe 3–5 key stages in your development process.

My first key stage of my code was actually getting started and jumping outside of my comfort zone with coding, this digital outcome was my first big project that I was working on so for a lot of the process I was going into unmarked territory. Starting my code made me feel excited for finally feeling like I could start a big project and I knew that if I ever felt like I was unsure or didn't know what to do next, I had people around that could help me like my friends and my teacher.

Coding my advanced techniques was a major point in my coding cause it was the first time that I really stepped out of what I was used to, when adding my advanced techniques I felt like things weren't going my way and that I was the problem because when I would try to add new features to my website it would always send up with an error and would stop working but the feeling when I was finally able to get my code working was amazing and it felt like things were finally looking my way.

Once I was at a point were I felt like I could use some feedback I turned to someone I knew would be completely honest with my, my Dad, and he gave me a list on what he felt like was 'wrong' and could've been done better, so when he gave me his list I went to work immedietly fixing what could be done and things to improve on.

Working on my touch usp was helpful cause it felt like I was nearly done and I was proud of myself for being able to complete this project. I was happy with my website and felt like it was finally done.

(iii)   Explain one of the most ==important decisions== you made during your development process and how it had a ==positive effect== on your digital outcome.

One of the most important decisions I made during my development process was the use of my dropdown bar. The reason this was such an important decision was because if I didn't add this feature it would make the navigation bar hard to navigate and make it look all clusterd up and unprofessional. This had a positive impact on my digital outcome due to it being more functional and made the user have a better experience when using the website. If I had not made this change to my website, it would've looked bad and people would be less likely to actually use the website and its information, but because it had the dropdown bar it looked more put together and was orginised than having all the pages spread across the navigation bar.

(iv) Explain one of the decisions you made based on **testing and trialling** during your development process. This decision must be different from the one you discussed in part (b) (iii).

A key decision I made because of testing was adding more images into the website, the user feedback showed me that people felt like there wasn't enough photos to really show off the photographers work, so when editing my code after user feedback, I knew that I had to add more images to better represent the artists work. The reason I choose this as an important decision was because I wanted to keep the users attention up and make them actually invested in what was on the page, make them want to see more and learn about the photographers life and how the started their photography journey. By adding more photos, I felt like users would be more likely to actually care about the information I was giving them and with more images it showed what other exapmles of photography the artist had created.

(v) Explain how the decisions discussed in parts (b) (iii) and (b) (iv) **influenced** your digital outcome.

In discussing the influences, you should:

- discuss how well these decisions were carried out
- explain how they affected or impacted your outcome
- discuss their flow-on effects.

My digital outcome was influenced by these changes because I knew if I weren't to make these changes users would be less interested on what I was actually saying and if the information was factual. After I had made these changes to my website, I felt like people would actually want to use the website and that it could be trusted. As I was making these changes to my code, I was feeling like these were making great improvement to the website itself and that user would be more interested in the website now. The reason adding more images had a good impact on my development process was because it gave more background to the artist and showed the user different types of photography the artist created, this made the user more interested in the artist and feel like they would want to know more about their background and how they first got into photography. The flow on affect this had on my website was that, I had a bit more work to be done than thought but I knew that it would pay of and that it was a simple fix by just adding new images that I felt best showed off the artists work.

The influence the dropdown bar had on my website was a positive one and it showed my that even when a little more work was needed to be done the outcome of that would be better for not only the users but for me when needing to find a specific page. This has a great impact on my digital outcome because it made it better to manage as all of the same type of pages (the artist pages) was all in one place and was very easy to find when needed to. The affect it had in the long run was a positive impact as if I would need to add a new artist to the website, I would know exactly where to add the page to and now know where to find it to see if it was working like the other pages.

(vi)   What changes would you make to improve your development process?

In your answer you should:

- explain how these changes could improve the quality of your outcome
- provide specific examples to support your answer.

If I were to go back and change parts of my website, I think I would like to make sure images were placed exactly were I wanted them to go. Another thing to add would be more artists, this is so there is more varity in what type of artist the user would want to look at because I feel like the artist I choose all have the same style to their photography, as they all seem to have a theme of nature and New Zealands backyard. I would've like to add artist that look at structures and have more of an industrial feel to their photography. I feel as though adding these features would make the user more likely to actually look at the information and be interested in the photographers story. Changing the image layout would make the website more neat and tidy, resulting in user feeling like they can 'trust' the website and the information that has been given to them.

Achievement

Subject: Digital Technologies and Hangarau Matihiko

Standard: 91899

Overall grade: 04

Grade	Marker commentary
A4	The candidate has used suitable software to develop a digital outcome (website) that is at Level 7 of the New Zealand curriculum. A solid understanding of essential elements has been demonstrated in the creation of the website. The candidate has provided a good explanation of the website, its purpose, and the key stages undertaken during its development. The candidate has selected and explained decisions that are relevant and relate to the outcome. The candidate has identified and explained a positive decision. They have some sound reasoning linking to functionality, making the website organised and easy to use. They have been able to articulate the decision of adding more images based on testing and trialling. It is clear from the response what the outcome was like when it was being tested, what the feedback was, and what the candidate needed to do in response. The functionality response is repetitive of the decision, and the aesthetics requirement provides only a surface level explanation of the choices made. The intellectual property response discusses the use of photography and addresses copyright, but provides no detail on the intellectual property created by the candidate. The end user response was broad and lacked specificity. Specific and in-depth details that explored the outcome may have elevated the response to the Merit band.