

Internal Assessment Resource

Achievement standard: 91893

Standard title: 91893 Use advanced techniques to develop a digital media outcome

Credits: 4

Resource title: Close encounters

Resource reference: Digital Technologies & Hangarau Matihiko 2.4A Version 1

Student/Ākonga instructions

Introduction/Kupu Arataki

This assessment activity requires you to create the website or app you have designed.

You will be assessed on how effectively you develop your site or app.

Due Date: September 23rd

Task/Hei Mahi

Create the website or app which has a specific purpose and audience and uses relevant conventions that you designed in the previous assessment task.

1. Create a website or app based on your chosen design. Your outcome must demonstrate advanced skills and techniques as you implement or integrate components such as:
 - an intuitive navigation
 - formatting that it is easy to read and use
 - ensuring the site is accessible for a range of users (for example, alt tags, support for visually impaired users, can be used for screen readers etc.)
 - a customised stylesheet and current HTML conventions for markup
 - commenting of HTML and CSS files as appropriate
 - integrating a range of media (for example, image, sound, moving image)
 - integrating an external library or other web languages.
 - management of assets for the website or app
2. Carry out key testing procedures during the development of your outcome. For example, you should
 - test your outcome to ensure it functions across a range of browsers and devices (e.g. responsive to different screen sizes)
 - run a validation check and address any issues
 - test for standard procedures to improve optimisation. For example, the

- loading speed, file size and image optimisation
- test that your outcome has met relevant design conventions.

Document (through providing screenshots/a screencast) the iterative improvement of the development of your outcome. Document what has been tested, the ongoing iterative improvements/edits you have made to the outcome. Include annotations of why you made edits/improvements.

Submit:

Your completed outcome and the following documentation:

- **Testing.** Screenshots/a screencast showing that the outcome has been tested and works as expected. Evidence of changes to your outcome based on usability testing. Provide before and after screenshots to show how the outcome has been improved and why.

Testing can be done by making a brief screencast showing the outcome being comprehensively tested. You can take screenshots of your testing and annotate them. Alternatively, you can submit a screencast and talk through your testing procedures as you work through the development of your outcome.

- That implications have been explained and addressed. This could include a explanation on why your outcome needs to :
 - be socially/culturally acceptable
 - honour legal, ethical and intellectual property obligations
 - be accessible, usable and functional
 - be sustainable and future proof
 - effectively use design conventions.

You should show how you have addressed these implications.