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91909

NZQA | Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

COMMON ASSESSMENT TASK

Level 3 Digital Technologies and Hangarau Matihiko 2025

91909 Present a reflective analysis of developing a digital outcome

Credits: Three

Achievement	Achievement with Merit	Achievement with Excellence
Present a reflective analysis of developing a digital outcome.	Present an in-depth reflective analysis of developing a digital outcome.	Present an insightful reflective analysis of developing a digital outcome.

Type your School Code and 9-digit National Student Number (NSN) into the space below. (If your NSN has 10 digits, omit the leading zero.) It should look like '`123-123456789-91909`'.

`SchoolCode-YourNSN-91909`

Answer ALL parts of the assessment task in this document.

You should aim to write **800–1,500 words** in total.

Your answers should be presented in 11pt Arial font within the expanding text boxes.

The only resources you may access during this assessment are the three images you have prepared in advance. Access to your digital outcome, online or paper resources, and the Internet, is not permitted.

Save your finished work as a PDF file (SchoolCode-YourNSN-91909.pdf).

By saving your work at the end of the assessment, you are declaring that this work is your own. NZQA may sample your work to ensure this is the case.

INSTRUCTIONS

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

You are not permitted to access any resources (either in hard copy or online) other than those supplied in the assessment itself. Access to your digital outcome, AI material, online or paper resources, other Word or PDF documents, and the Internet is not permitted.

You must illustrate your answers with three .jpg or .png images you have prepared in advance:

- a single image of the digital outcome (e.g. a website, a brand identity package, an electronic device)
- a single sample image showing a relevant digital component of the outcome in the software used to create it, for example:
  - the HTML / CSS for a website in a text editor (e.g. VS Code, Notepad++)
  - the 'layers' view of a vector or raster graphic (e.g. in Inkscape / Illustrator, GIMP / Photoshop)
  - the source code for controlling an electronic device (e.g. in Arduino C, PBasic)
  - the CAD / CAM file for a 3D model (e.g. in Blender, Fusion 360, SketchUp)
  - the source code for an application in a suitable text editor (e.g. VS Code, Replit)
- a single image of your development process (e.g. agile development, a planning chart, etc).

If you developed your digital outcome as part of a group, you must only write about your role and your specific contributions to the project.

Read all parts of the task before you begin. Do not repeat your response in different parts of the question.

You must complete your assessment individually under teacher supervision, in accordance with the NCEA Assessment and Examination Rules and Procedures. The material submitted for assessment must be your own work.

You are not permitted to share or discuss this assessment or your assessment responses with any other schools, teachers, or candidates until after the final date for submission (12 September 2025).
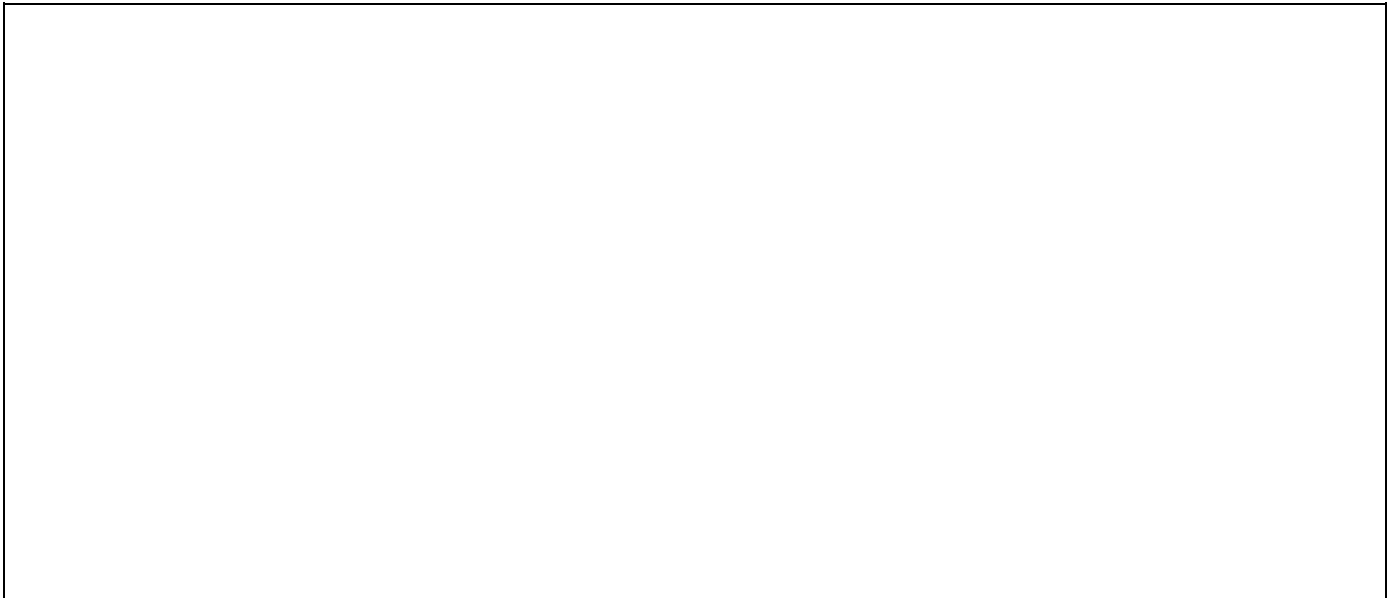
The use of chatbots, generative AI, paraphrasing tools, or other tools that can automatically generate content is not permitted, and material generated by these tools should not be submitted as part of your work.

(Assessment Specifications, NZQA 2025)
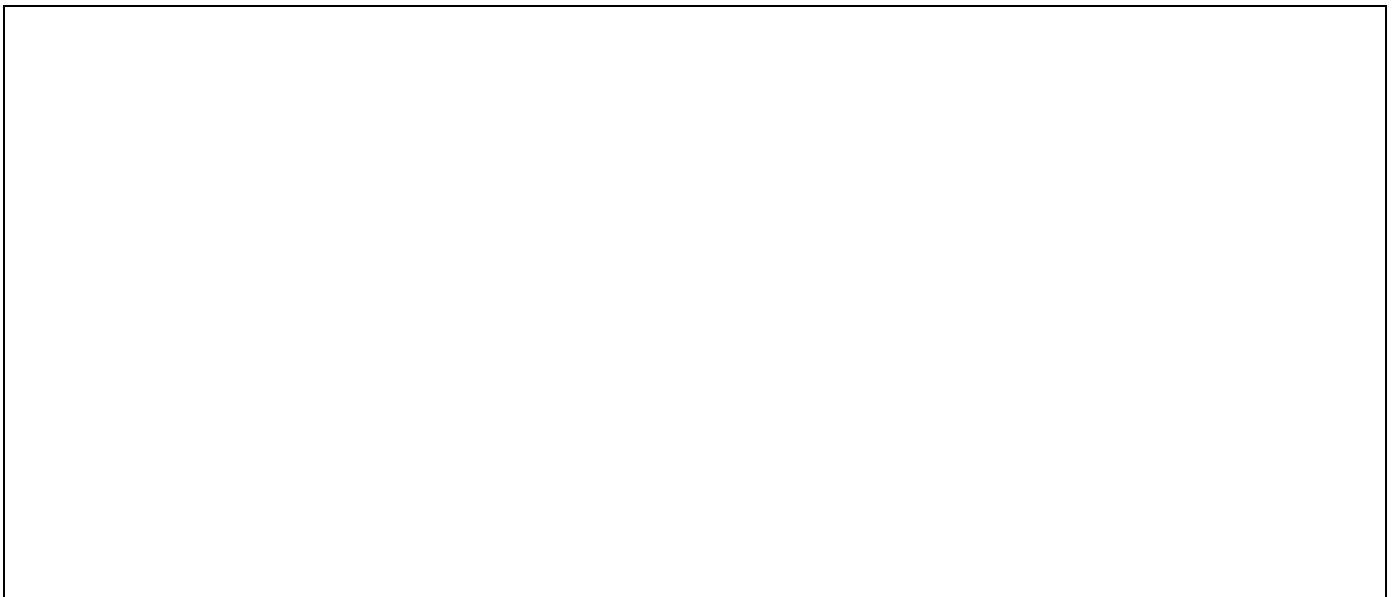
ASSESSMENT TASK

Name the type of digital outcome you created (e.g. website, app, magazine, animation, etc.):

Insert the image of your digital outcome in the box below.

Name the main software used to develop the digital component of your outcome:

Insert the image showing a relevant digital component of your outcome in the software used to create it in the box below.

Insert the image of your development process in the box below.

[blank box]

Digital outcome

(a) Explain the digital outcome you created, including its purpose and intended audience / users, the environment it is found in, its functionality, key features, and aesthetics.

[blank box]

(b) (i) Name a key feature, quality, or attribute of your digital outcome that relates to your choice in software used to develop it.

[blank box]

   (ii) Briefly describe a decision you made that relates to the key feature, quality, or attribute named in (b)(i) above.

[blank box]

(iii) Analyse the impact that your decision from (b)(ii) on page 4 had during the development process, and discuss how this decision affected the **functionality, aesthetics, and usability** of your digital outcome.

(c) (i) Name a key feature, quality, or attribute of your digital outcome that relates to **cultural, ethical, sustainability, or future-proofing** implications.

(ii) Briefly describe a decision you made that relates to the key feature, quality, or attribute named in (c)(i) above.

(iii) Examine how the decision you described in (c)(ii) above influenced the way you developed your digital outcome, and explain how it affected the final outcome.

Knowledge and skills

(d) Explain what new knowledge you gained and how you used your skills to apply this knowledge in practice, within your development process.

Note: Examples given can be of a positive or negative type.

Evaluation

(e) (i) Reflect on what could have been done differently in your development process, and how this would enhance the quality or effectiveness of your digital outcome.

(ii) Evaluate how problem-solving and your personal experience contributed to the successful development of your final digital outcome.