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| **Evidence template:**  AS91907 - Use complex processes to develop a digital technologies outcome |

**Student Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Declaration\***:

* All the work was completed by myself.
* I give permission for my work to be independently moderated.

**Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date**: \_\_\_/\_\_\_/ 20\_\_\_

## Overview

Your program needs to be developed using complex processes and you will need to show evidence of this process.

* Use recognised project management tools to help you plan and the development of your program.
* Decompose your outcome into components. You should trial multiple components or techniques to determine which one will be best for the overall quality of your outcome. For example, you might trial the use of pop-up menus, text boxes or radio-buttons to get the same information from the user in a GUI. You might assess their quality in terms of functionality, usability, flexibility, interface aesthetic, etc. for your outcome.
* You need to provide evidence of effectively using the information from testing and trialling to improve the functionality of the outcome. You may use your project management tools to record and gather evidence of testing, trialling, and feedback. Alternatively, you could take screen captures, recorded in a simple table showing dates, images and a brief statement identifying the stage of your process. You could also capture the process using screencasts. Whatever approach you use, be sure to annotate/discuss the changes you have made and why.
* Provide evidence of comprehensively testing your final outcome.
* Address any relevant implications such as usability, functionality, legal/ethical requirements.
* Synthesise the information from the planning, testing, and trialling of components to develop a high-quality outcome. This should include evidence showing how user testing has been incorporated / used to shape the final outcome.
* Discuss how this information lead to the development of a high-quality outcome.
* This should include evidence of how the outcome addresses relevant implications.

Testing and trialling can be demonstrated by making a brief screencast showing the outcome being comprehensively tested. You can also take screenshots of your screencast and annotate them.

Please check the marking schedules to make sure that you have met all the requirements.

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| **1. Getting started** |

**What am I making? What is its purpose? Who are my target users?**

**What are the requirements of my outcome?**

* Must have/be ...

**What implications are relevant to my outcome, and why?**

**What project management and version control tools will I be using?**

(link to them here once they are set up, or insert screenshot)

**Decomposed list of the components of my project:**

(This might be a photo of a mind-map, a typed list, etc)

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| **2. For each component:**  These steps will be repeated for each component of my outcome. Copy and paste the table below as many times as I need (3 - 6 times would be suitable). |

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| **Component:** | | | |
| **What alternative techniques or components did I trial? Which did I choose and why?** | (text or screenshots could go here) | | |
| **What other decisions did I make during this section or sprint?** |  | | |
| **My testing and trialling** | What testing and trialling did I do? | What did I find out? | What did I do as a result of this? |
| A *before* screenshot: | | An *after* screenshot: | |
| **What implications are relevant to this component, and how did I address these?** |  | | |
| **My project management and version control tools at this point in the project:** | (screenshots) | | |

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| **3. Finishing up** |

**Final testing:**

What **user testing** did I do on my completed outcome? (Insert results and mention any changes I made as a result)

What **code validation** (if relevant) did I do on my completed outcome? (Insert results)

What **functional testing** did I do on my completed outcome? (Insert a testing table or link to a video)

**Link to my final outcome (or screenshots):**

**How did planning assist in the development of a high-quality outcome?**

**How did planning assist in the development of a high-quality outcome?**

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| **4. Final checklist: Make sure my evidence includes all of the following:** |

Achieved: Use *advanced processes* to develop a digital technologies outcome.

* using appropriate project management tools and techniques to plan the development of a digital technologies outcome
* decomposing the outcome into smaller components
* trialling the components of the digital technologies outcome
* testing that the digital technologies outcome functions as intended
* explaining relevant implications

and at least two of:

* saving backup copies with a logical file naming system
* using collaboration tools
* using simple version control software applications
* using tools or systems to plan tasks and milestones
* adjusting key actions and tasks where appropriate

Merit: Use advanced processes to develop an *informed* digital technologies outcome.

* effectively using project management and version control tools and techniques to manage the development of a digital technologies outcome
* trialling multiple components and/or techniques and selecting those which are most suitable
* using information appropriately from testing and trialling to improve the functionality of the digital technologies outcome
* addressing relevant implications

Excellence: Use advanced processes to develop a *refined* digital technologies outcome.

* discussing how the information from planning, testing and trialling of components assisted in the development of a high-quality outcome