

## Assessment 2: Prototype activity report

**Description:** Prototype and activity report

**Assignment marks:** 30% of the final mark of this unit

**Due date:** Due at 2:00 p.m. AWST, Monday beginning of Week 5

**Submission guidelines:** Your submission must include the following **TWO** elements, submitted separately:

- your prototype in the format of your choice
- 10–15 page activity report in a .doc or .pdf file format.

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### Assignment overview

In this assessment you will deliver a prototype activity report showcasing the development of one element of your project, somewhat shaped as a prototype. When designing a prototype, the creation and testing of the prototype is known as ‘activity’. The prototype activity report will represent a discrete component of your whole project, not a complete deliverable or the finished project itself.

Your report should demonstrate how you have aligned your prototype development to the QA process and feedback, identifying and analysing what has worked or failed and why, as well as potential next steps. You are to include records of working—prototype testing/revision log, adjustment to the curveball requirement, evidence of changes (tracked document)—that show how the prototype has evolved in relation to feedback or new information. Your activity log and meaningful notes can be used as the basis of your reflection in Assessment 3.

The focus of this assessment, as reflected in the marking criteria, is that you demonstrate what you have learnt through the prototype creation process, particularly through the application of the quality assurance process, and how it will contribute to an improved outcome in your project overall. The prototype that you deliver may or may not work.

The showcases in Week 2 and Week 4 give you the opportunity to present, test and get feedback on your prototype from your Community of Inquiry (CoI).

## Unit learning outcomes

2. Apply appropriate methodologies and techniques to implement a solution to a cybersecurity problem.
3. Demonstrate project management methods and approaches.

## Instructions to task

### 1. Prototype

Submit your prototype using a method you feel best captures the scope and aims of your prototype. For example, you could use video, screen capture or visualisation, or you could provide your code repository or collection of documents. If you are unsure of the best method to use, please discuss with your facilitator.

### 2. Activity report

Provide an activity report of 10 to 15 pages (excluding references) that could include the sections described below.

- Table of contents
- Executive summary
  - High level summary of the prototype report for a business audience (less than 1 page), including how you addressed the curveball requirement from Week 3.
  - This may be all that your audience reads, so it is important to capture all key details in a clear and concise manner.
- Objective
  - One clear objective that describes the desired results of your prototype. It needs to be specific and measurable, and must meet time, budget and quality restraints.
- Scope
  - Statement of work required to complete the prototype, including any changes that were required to address the curveball requirements from Week 3 (technical, e.g. functions and features, or policy, e.g. statement of work to guide development of prototype, what distinguishes the policy/prototype from others in similar areas).
- Methodology
  - Detailed outline of method that recaps your methodology implementation plan and explains how that informed your methods (steps).
- Testing/Revision log
  - Actions you need to take to achieve the objective, and the steps you perform to meet the objective. A testing/revision log or meaningful records that show the results of each test or revision.

- Include a brief introduction to your testing/revision log that explains your quality assurance process and how your testing/revision log reflects this.
  - You may want to change the page orientation to landscape for this section to include more information.
- Next steps
  - What do you hope to get out of the prototype? What would be needed to progress to implementation?
  - You will have an opportunity to explore these next steps in the third unit, Cyber Project 3.
- References (included in page count total)
  - All references must be in APA 7th format.
  - You must have a minimum of 10 references.

## Required activities

The following activities will help you to prepare for this assessment:

- Week 2: Start your prototype, and test, re-test and track progress
  - 2.1 Checklist activity: Create your testing/revision log
  - 2.3 Community of Inquiry: Showcase your prototype and collaborate
- Week 3: Adapt to change
  - 3.1 Checklist activity: Adapt to the curveball
- Week 4: Monitor project health
  - 4.2 Checklist activity: Monitor the health of your prototype

## Feedback strategy

Your facilitator will deliver feedback upon completion of this assessment 1 week (7 days) after submission.

For more information, please refer to the Canvas assignment page for more instructions.

## Academic misconduct

Edith Cowan University regards academic misconduct of any form as unacceptable. Academic misconduct, which includes, but is not limited to plagiarism, unauthorised collaboration, cheating in examinations, theft of other students' work, collusion, inadequate and incorrect referencing, will be dealt with in accordance with the ECU Rule 40 Academic Misconduct (including Plagiarism) Policy.

Ensure that you are familiar with the [Academic Misconduct Rules](#).

## Assignment extensions

Applications for extensions must be completed using the ECU [Application for Extension form](#), which can be accessed online.

Before applying for an extension, please check out the [ECU Guidelines for Extensions](#), which details circumstances that can and cannot be used to gain an extension. For example, normal work commitments, family commitments and extra-curricular activities are not accepted as grounds for granting you an extension of time, because you are expected to plan ahead for your assessment due dates.

Please submit applications for extensions via email to both your tutor and the Unit Coordinator.

Where the assignment is submitted no more than seven days late, the penalty shall, for each day that it is late, be 5 per cent of the maximum assessment available for the assignment. Where the assignment is more than seven days late, a mark of zero shall be awarded.

## Marking rubric

Criteria	No marks	Fail <0–49%	Pass 50–59%	Credit 60–69%	Distinction 70–79%	High distinction 80–99%	Full marks 100%
<b>Prototype</b>	<b>0</b>	<b>0 – 4.99</b>	<b>5 – 5.99</b>	<b>6 – 6.99</b>	<b>7 – 7.99</b>	<b>8 – 9.99</b>	<b>10</b>
Prototype is completed to a high standard that is reflective of scope and objectives outlined in the report. <b>(10 marks)</b>	This criterion was not addressed.	Prototype of the project inadequately follows implementation plan and does not demonstrate a link to objective and scope relevant to the overall project. Prototype is incomplete or not working and does not demonstrate a proof of concept.	Prototype of the project mostly follows implementation plan and demonstrates link to objective and scope relevant to the overall project. Prototype is semi-developed and represents weak proof of concept.	Prototype of the project mostly follows implementation plan and demonstrates adequate link to objective and scope relevant to the overall project. Prototype is working and represents an adequate proof of concept.	Prototype of the project follows implementation plan and demonstrates a clear link to objective and scope relevant to the overall project. Prototype is complete and working and represents a quality proof of concept.	Prototype of the project follows implementation plan and demonstrates a clear link to objective and scope relevant to the overall project. Prototype is complete and working and represents a superior proof of concept.	This submission could not be improved regarding the prototype.
<b>Executive summary</b>	<b>0</b>	<b>0 – 2.49</b>	<b>2.5 – 2.99</b>	<b>3 – 3.49</b>	<b>3.5 – 3.99</b>	<b>4 – 4.99</b>	<b>5</b>
Executive summary captures all key information from activity report. <b>(5 marks)</b>	This criterion was not addressed.	There is either no executive summary or the attempt does not summarise the entire report.	The executive summary attempts to summarise the entire report but there are gaps in the information.	Executive summary is good, presenting a fairly clear and concise summary of the entire activity report.	Executive summary is very good, presenting a clear and concise summary of the entire activity report.	Executive summary is outstanding, presenting a very clear and concise summary of the entire activity report.	This submission could not be improved regarding the executive summary.
<b>Objective, scope and methodology</b>	<b>0</b>	<b>0 – 2.49</b>	<b>2.5 – 2.99</b>	<b>3 – 3.49</b>	<b>3.5 – 3.99</b>	<b>4 – 4.99</b>	<b>5</b>
Activity report defines clear objective, outlines scope of prototype and describes	This criterion was not addressed.	Activity report includes multiple or no clear objective, brief outline of scope with no clear justification of what is out of scope and why, and unclear	Activity report includes one objective that could be described more clearly, an outline of scope with vague justification of what is out of scope and why,	Activity report includes one objective, an outline of scope with clear justification of what is out of scope and why, and description of method with	Activity report includes one clearly stated objective, a thorough outline of scope with justification of what is out of scope and why, and detailed	Activity report includes one clearly stated objective, a comprehensive outline of scope with strong justification of what is out of scope and why, and detailed	This submission could not be improved regarding the objective, scope and methodology.

prototype method aligned to methodology. (5 marks)		description of methods with no alignment to methodology.	and limited description of method with poor alignment to methodology.	alignment to methodology.	description of method with alignment to methodology.	description of method with logical alignment to methodology.	
<b>Testing/revision log</b>	<b>0</b>	<b>0 – 2.49</b>	<b>2.5 – 2.99</b>	<b>3 – 3.49</b>	<b>3.5 – 3.99</b>	<b>4 – 4.99</b>	<b>5</b>
Report demonstrates actions taken and specifies how a quality assurance process was applied (at least 1 QA criteria was addressed). (5 marks)	This criterion was not addressed.	Activity report did not demonstrate actions taken and specifies how a quality assurance process was applied (no QA criteria was addressed).	Activity report demonstrates actions taken and specifies how a quality assurance process was applied (at least 1 QA criteria was addressed clearly and described with enough information for an adequate understanding). There are some omissions and/or errors.	Activity report demonstrates actions taken and specifies how a quality assurance process was applied (at least 1 QA criteria was addressed clearly and described with enough information for an adequate understanding). There are no omissions and/or errors.	Activity report demonstrates actions taken and specifies how a quality assurance process was applied (more than 1 QA criteria was addressed clearly and described thoroughly).	Activity report demonstrates actions taken and specifies how a quality assurance process was applied (more than 1 QA criteria was addressed clearly and described comprehensively).	This submission could not be improved regarding actions taken and QA criteria.
<b>Communication style</b>	<b>0</b>	<b>0 – 2.49</b>	<b>2.5 – 2.99</b>	<b>3 – 3.49</b>	<b>3.5 – 3.99</b>	<b>4 – 4.99</b>	<b>5</b>
Communication style needs to be professional, integrating appropriate academic referencing and meeting academic integrity requirements. (5 marks)	This criterion was not addressed.	The report did not use language that conveys meaning to readers with sufficient clarity and includes numerous errors. Inappropriate use of others' work, which is not acknowledged, or lack of or inadequate paraphrasing constituting plagiarism, or in-	Uses language sufficiently well to convey basic meaning, although errors reduce effectiveness of communication. More work is needed on how to adequately and correctly reference and paraphrase, or in-text and end-text references are not always correctly formatted	Communication style is professional, using language that generally conveys meaning to readers with clarity, although writing may include some errors. Mostly good use of others' work, which is mostly well paraphrased and adequately	Communication style is professional, using language that effectively conveys meaning to readers with clarity. Any errors which occur do not reduce effectiveness of communication. Appropriate use of others' work, which is adequately and	Communication style is professional, using language that skilfully and effectively communicates meaning to readers with clarity and is virtually error free. In-text and end-text references are correctly formatted in APA 7th style.	This submission could not be improved regarding presentation skills.

		text and end-text references not included or not formatted in APA 7th edition style.	in APA 7th edition style.	acknowledged. In-text and end-text references are correctly formatted in APA 7th edition style.	correctly acknowledged. In-text and end-text references are correctly formatted in APA 7th style.	Appropriate use of others' work, which is adequately and correctly acknowledged.	
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