# Project Assessment – Part 1 only

## Criteria

### Unit code, name and release number

ICTPRG434 - Automate processes (1)

ICTPRG440 - Apply introductory programming skills in different languages (1)

### Qualification/Course code, name and release number

ICT40120 - Certificate IV in Information Technology (3)

## Student details

### Student number

881031230

### Student name

Robert Esquillon

## Assessment declaration

*Note: If you are an online student, you will be required to complete this declaration on the TAFE NSW online learning platform when you upload your assessment.*

This assessment is my original work and has not been:

* plagiarised or copied from any source without providing due acknowledgement.
* written for me by any other person except where such collaboration has been authorised by the Teacher/Assessor concerned.

### Student signature and date

R.Esquillon

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Date created: 2 August 2021

Date modified: 31 August 2021

For queries, please contact:

Technology and Business Services SkillsPoint

Ultimo

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RTO Provider Number 90003 | CRICOS Provider Code: 00591E

This assessment can be found in the: [Learning Bank](https://share.tafensw.edu.au/share/access/searching.do?doc=%3Cxml%2F%3E&in=P7ac4831b-430a-4b8d-8b56-f7b32ed5b9cf&q=&type=standard&sort=rank&dr=AFTER)

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## Assessment instructions

Table 1 Assessment instructions

| Assessment details | Instructions |
| --- | --- |
| **Assessment overview** | The objective of this assessment is to assess your knowledge and performance as required to review pseudocode for errors and write script from pseudocode. |
| **Assessment event number** | 1 of 3 (part 1 only) |
| **Instructions for this assessment** | This is a project-based assessment and will be assessing you on your knowledge and performance of the unit.  This assessment is in five parts, but this document only deals with the first part:   1. Determine scripting requirements 2. Develop program design 3. Write script from pseudocode 4. Test and debug code 5. Finalise script   The assessment also contains:   * Assessment Feedback * Supporting documents as listed. |
| **Submission instructions** | On completion of this assessment, you are required to submit it to your Teacher/Assessor for marking. Where possible, submission and upload of all required assessment files should be via the TAFE NSW online learning platform.  Ensure you have included your name at the bottom of each page of documents you submit.  It is important that you keep a copy of all electronic and hardcopy assessments submitted to TAFE and complete the assessment declaration when submitting the assessment. |
| **What do I need to do to achieve a satisfactory result?** | To achieve a satisfactory result for this assessment you must answer all the questions correctly.  If a resit is required to achieve a satisfactory result it will be conducted at an agreed time after a suitable revision period. |
| **What do I need to provide?** | * TAFE NSW student account username and password. If you do not know your username and password, contact your campus or service centre on 131601. * Computer or other device with word processing software and internet access * Writing materials, if required * USB drive or other storage method with enough free space to save work to.   If assessment is completed off campus:   * Runtime and integrated development environment (IDE) e.g. Visual Studio Code * Debugging tools e.g. JavaScript debugger for Visual Studio code, JSLint & ESLint built into Brackets, browser developer tools |
| **What the Teacher/Assessor will provide** | * Access to this assessment and learning resources, including the student workbook and any supporting documents or links. * Application to be scripted * Runtime and integrated development environment (IDE) e.g. Visual Studio Code * Debugging tools e.g. JavaScript debugger for Visual Studio code, JSLint & ESLint built into Brackets, browser developer tools |
| **Due date**  **Time allowed**  **Location** | Refer to UAG  Indicative time to complete assessment:   * In class: 30 min * Out of class: 2 hours   Assessment to be completed both in and out of class. |
| **Supervision** | Part of this is an unsupervised, take-home assessment. Your Teacher/Assessor may ask for additional evidence to verify the authenticity of your submission and confirm that the assessment task was completed by you.  You may access your referenced text, learning notes and other resources. |
| **Assessment feedback, review or appeals** | In accordance with the TAFE NSW policy *Manage Assessment Appeals,* all students have the right to appeal an assessment decision in relation to how the assessment was conducted and the outcome of the assessment. Appeals must be lodged within **14 working days** of the formal notification of the result of the assessment.  If you would like to request a review of your results or if you have any concerns about your results, contact your Teacher/Assessor or Head Teacher. If they are unavailable, contact the Student Administration Officer.  Contact your Head Teacher/Assessor for the assessment appeals procedures at your college/campus. |

## Specific task instructions

The instructions and the criteria in the tasks and activities will be used by your Teacher/Assessor to determine if you have satisfactorily completed this assessment event. Use these instructions as a guide to ensure you demonstrate the required knowledge and skills.

### Scenario

You are working as an ICT Technician as part of the development group at [Gelos Enterprises](https://share.tafensw.edu.au/share/items/d0b458dc-3922-409d-b1fe-9a2f785f4a38/0/GelosEnterprises.zip/index.html) (Gelos). The Software Development Team Leader, Christina Kaiser, has asked you to join the team to undertake programming work using JavaScript for one of their clients.

The client, PizzasOnly, has developed a promotional scheme for all pizza sales during the months of November and December in the current year. The manager of PizzasOnly, Sean Jackson, has provided you with the following client brief.

Download and unzip the [resource folder](https://share.tafensw.edu.au/share/items/e3f239e6-5bbd-4887-803a-7c0ecd1791f5/0/?attachment.uuid=2405a952-ae2c-4d1f-b384-cb4b5722604f) (Cl\_IntroScripting\_AE\_Pro\_Appx.zip), which contains the requirements specifications and HTML page for the web application.

You will also need to follow the [organisational guidelines](https://share.tafensw.edu.au/share/items/e3f239e6-5bbd-4887-803a-7c0ecd1791f5/0/?attachment.uuid=d464123a-9fd4-4fff-ab1c-b6ec88cbc270) for software development for JavaScript (Cl\_IntroScripting\_AE\_OrgGuidelines\_Appx.pdf).

## Part 1: Determine scripting requirements

The Software Development Team Leader, Christina, wants to get started on this project for the client. She has asked that you plan the customer quiz outlined in **Requirement 1** of the specifications so that it can scripted by another developer.

To do this, you will need to complete the following:

1. Write a planning report for Christina, using the [Gelos report template](https://share.tafensw.edu.au/share/items/02285ff1-cfb2-4af4-b402-fdc23bf4bf11/0/?attachment.uuid=3c6a096c-b36f-4cb1-b0fe-f4a64dca7b83) (GE\_Report\_template.dotx) and addressing the following items (75-150 words)
   1. Identify the specific process in Requirement 1 where automation would be applied.
   2. Identify which type of control structure would be the most applicable to automate this process. Explain why it is applicable, considering best practice and organisational guidelines.
2. Collaborate with two team members to discuss the task and requirements, share ideas and come up with potential solutions. Record your discussion via video or in writing (such as screenshots of emails or chat messages) and submit this recording as evidence within your planning report.

Your team members may include another student enrolled in the same unit, a colleague, industry expert/representative or your teacher.

1. Write pseudocode that will provide a design solution to **Requirement 1** in the scenario, following the organisational guidelines. Include this pseudocode in your planning report.
   1. Ensure that your pseudocode is free from errors, uses the correct logic and includes required calculations and expressions.
   2. Your algorithm must be guaranteed to end.
   3. It must also consider all possible situations by using sequence, selection and iteration structures.
2. Recommend the best way to implement the security and safety of data submitted through the form. Include your answer in your planning report. (30-60 words)

**Submit the following for Part 1:**

* Requirement 1 planning report

## Assessment Feedback

*NOTE: This section* ***must*** *have the assessor signature and student signature to complete the feedback.*

### Assessment outcome

Satisfactory

Unsatisfactory

### Assessor feedback

☐ Has the Assessment Declaration been signed and dated by the student?

☐ Are you assured that the evidence presented for assessment is the student’s own work?

Was the assessment event successfully completed?

If no, was the resubmission/re-assessment successfully completed?

Was reasonable adjustment in place for this assessment event?  
*If yes, ensure it is detailed on the assessment document.*

Comments:

### Assessor name, signature and date:

### Student acknowledgement of assessment outcome

Would you like to make any comments about this assessment?

### Student name, signature and date

***NOTE: Make sure you have written your name at the bottom of each page of your submission before attaching the cover sheet and submitting to your assessor for marking.***