Assessment Task – General (Student Version)

National Unit Details	
Code(s)	**Title(s)**
ICTPRG418	Apply Intermediate programming skills in another language
ICTPRG523	Apply advanced programming skills in another language
Assessment Task	

Number	3	**Title**	Data Structures

Section 1 – Assessment Task Overview and Description

Student / Class Details

Full name: Click or tap here to enter text.

Student ID: Click or tap here to enter text.

Teacher: Click or tap here to enter text.

Date / Time started: Click or tap to enter a date.

By checking the box below, you agree that penalties exist for plagiarized work and that all work submitted is your own. Please refer to the bottom of the document for more information.

☐ I agree and confirm that all work in this assessment is mine

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Resources

Git Repo:

https://github.com/ubkychin/Dip_Delegates_Task.git

Task

Source code to be cloned/forked from the above repo.

1) In FileParser project:
   a. Complete the FileHandler and DataParser classes as described in the XML doc tags on each method. Import libraries and assemblies required.
   b. Complete the CsvHandler class as described in the XML doc tags. Must use FileHandler object completed above.
   c. Run against all unit tests prescribed in Tests/FileParserTests.cs.
      Use data.csv as test data. Copy to your system and change file paths accordingly.
      Nothing else in the test class needs to be changed.

2) In Delegate_Exercise project:
   a. Complete the Program.cs file. The console application must output a file formatted as a standard csv file, named "processed_data.csv". The provided data.csv file:
      i. Has starting and trailing white spaces.
      ii. Has all fields encased in double quotation marks
      iii. Was written by a Twitter tragic and has all data points prefixed with "#"
   b. All of the above artifacts must be removed via a generic delegate passed to the CsvHandler's ProcessCsv method.
   c. Removal of "#" should be handled in a method in the Delegate_Exercise class and added to a delegate.
   d. (optional) Create a method in CsvHandler that takes has a parameter of type Parser (as defined in Delegate_Exercise). Execution of this achieves the same as above but also capitalises all data.

3) In FileParser project:
   a. Complete the PersonHandler class as described in the XML doc tags on each method. Definition for Person is contained within ObjectLibrary.dll provided and referenced.
   b. Run against all unit tests prescribed in Tests/PersonHandlerTests. Use data.csv as test data. Copy to your system and change file paths accordingly. Nothing else in the test class needs to be changed.
   c. (optional) Completion of the GetAmountBornOnEachDate method.

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Section 2 – Assessment Task Submission Information

Submission Details	**Due date:**
	1. The assessment task must be submitted via Canvas or directly to the teacher with an assessment cover sheet.

	2. Ensure to include on the front page or in the header or footer of your assessment:
	    ▪ your name
	    ▪ student ID
	    ▪ your teacher's name
	    ▪ the unit code/s and title/s
	    ▪ the assessment task title

	3. The program must be observed and checked off during the assessment time
	4. Submissions received after the submission date must be approved by your teacher.

Summary of Evidence to be Submitted

- This document with the relevant parts filled in

- GitHub link of Source Code in Canvas

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The task will be assessed as satisfactory when all of the required evidence listed has been satisfactorily demonstrated.

* If applicable, for graded units, the task must be satisfactorily completed before marks will be allocated. Refer to your unit outline for more information.

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Section 3 – Assessment Task Criteria and Outcome

All items/criteria must be demonstrated satisfactorily to achieve this task. The items/criteria for this activity will be assessed as S – Satisfactory or US – Unsatisfactory.

	Items/criteria
1.	Create a dynamic data structure
2.	Use data structure to create a derivative structure
3.	Implement a hashing function
4.	
5.	

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Section 4 – General Assessment Information

Decision Making Rules	Each activity in the assessment task must be satisfactorily completed for the task to be assessed as satisfactory. Every task must be satisfactorily completed to be assessed as competent in the unit. ** For graded units, competence must be demonstrated before a mark can be given.*
Plagiarism	There are serious penalties for plagiarism that may include repeating a new assessment task or being withdrawn for the unit / course. Students must ensure that all assessments are their own work (or group work and clearly noted as such). Please refer to www.swinburne.edu.au/corporate/registrar/plagiarism/index.html
Reasonable Adjustment	Students may request reasonable adjustment for assessment tasks. Reasonable adjustment usually involves varying: ■ the processes for conducting the assessment (eg: allowing additional time, varying the venue) ■ the evidence gathering techniques (eg: oral rather than written questioning, use of a scribe, modifications to equipment) However, the evidence collected must allow the student to demonstrate all requirements of the unit. If you have any other issue that may impact your ability to undertake the assessment, please discuss with your teacher.
Re-submission *(where tasks are not satisfactorily completed)*	Assessment tasks that are not satisfactory can be resubmitted up until the end of the unit as scheduled on the Unit Outline. The timing on this may depend on the equipment required for this assessment task. Resubmissions received after the scheduled unit end date may not be accepted unless approved by the teacher prior to the end date. Note: Assessment tasks submitted for the first time after the unit end date as scheduled in the Unit Outline will not be assessed and the student should re-enrol into the unit.
Special consideration	Students may apply for Special Consideration where personal circumstances have adversely affected their task result or ability to undertake an assessment. A Special Consideration form can be completed prior to, but no later than 3 days after, the date of assessment and submitted to the relevant Manager.
Work Health & Safety	Activities may require the use of equipment or participation in group exercises. If the teacher identifies any unsafe activity or potentially dangerous situations, the teacher can stop the assessment at any time.