Assessment Task 1 - Submission Instructions

1. What not to submit

<u>**Do not submit any exe files**</u> because sometimes these are considered as viruses by antivirus software. On occasions downloading student ZIP files from CloudDeakin fails because they contained exe files.

Prior to submission, please delete 'bin' and 'obj' folders containing exe files (see Figure 1). Any exe files required by the marker can be rebuilt using Visual Studio.
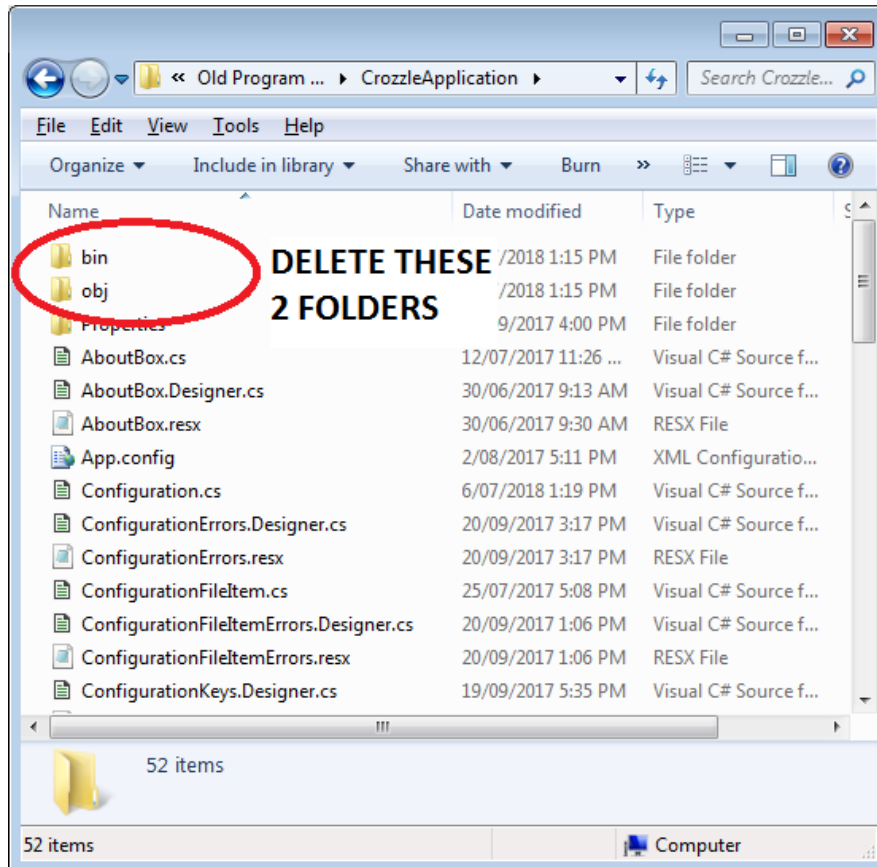

Figure 1.

2. Submission

One person from each group will submit one ZIP file of the following:

1. Original Test Designs for items 1 to 12.
2. Test Files referenced by the Original Test Designs and used during unit testing.
3. Both Portfolio Documents for items 13 and 14.
4. Log Files for items 15 to 19.
5. Visual Studio solution for items 15 to 26.
6. CFG, CZL and SEQ files.
7. Old data files.

Hopefully you already have everything in one folder (see Figure 2); if not, please arrange something similar.

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Figure 2 shows everything in the "Old Program and Old Files" folder. That is:

- The folder "Assessment Task 1 Files" containing the CFG, CZL and SEQ files.
- The folder "Log Files for Items 15 to 19" containing the log files.
- The folder "Old Program - Updated for Items 15 to 26" containing the Visual Studio program files.
- The folder "Test Files" containing your test files referenced by your Original Test Designs (Items 1 to 12), and used by your unit tests (Items 20 to 26).
- Original test designs.
- Both Portfolio documents.
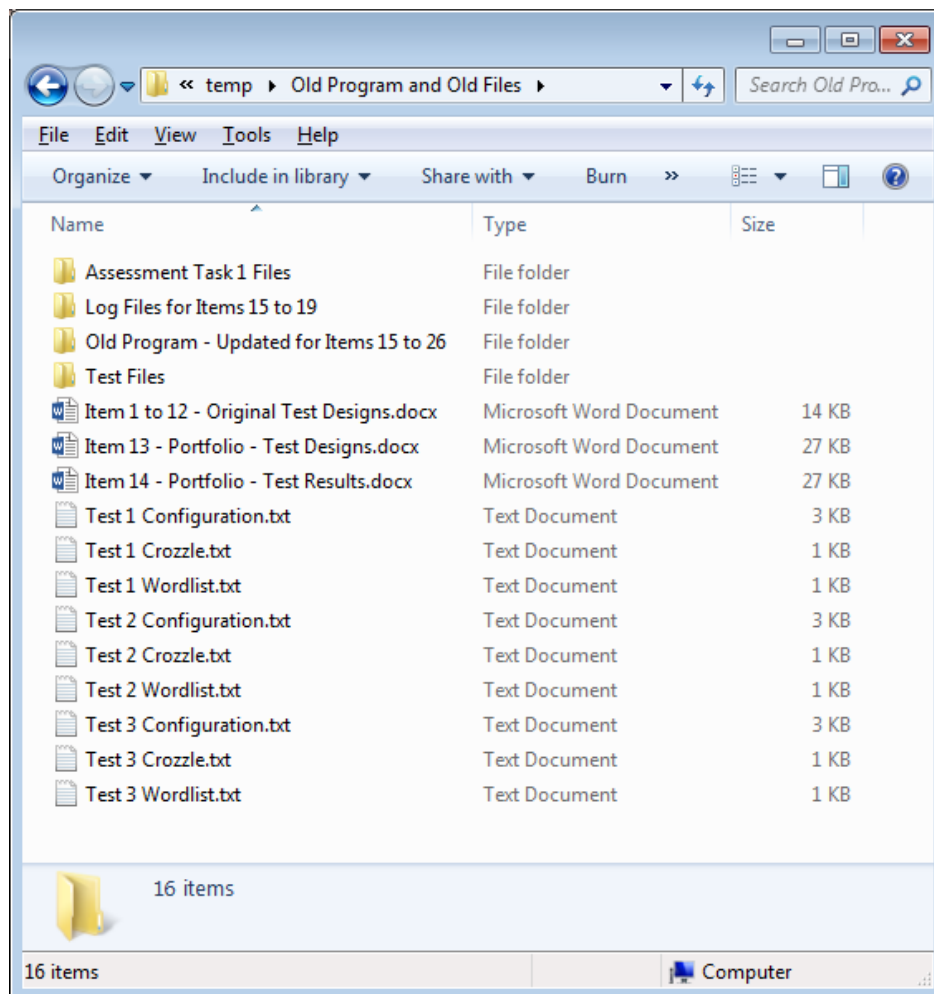- The old crozzle, configuration and sequence data files.

Figure 2.

Once you have everything in one folder, and deleted both 'bin' and 'obj' folders, you can simply ZIP that folder and:

1. Test your ZIP file before submission. That is, after unzipping to a new folder, ensure that everything compiles and runs as it should; **try this on another machine and hard-drive** too.
2. Submit your ZIP file to Cloud Deakin.

3. Original Test Designs - Document

There must be one Word document containing the original Test Scenario designs that were provided to the programmer to implement the test methods. Consequently, these will not have values for Test Method, Actual Data, Test Result, and Test Comments.

This Word document is effectively a collection of Test Scenarios. Probably 12 in total, one for each of the first 12 items of the Rubric.

Ensure that the Test Scenarios follow the same order as the Rubric.

4. Test Designs - Portfolio Document

You must produce one Word document of professional quality to show your test designs.

Ensure that the Test Scenarios follow the same order as the Rubric items 1 to 13.

This document must include the following:

- a title page
- a contents page
- an introduction page
- a document body that contains several numbered sections, one section for each Test Scenario. Each section will include:
    1. a justification for each test case
    2. what you learnt from this scenario
    3. the Test Scenario form
    4. an ordered list of data or filenames used by Test Cases. in some cases:
        - data for *Parameters* or *Expected Data* is too large to neatly fit into a Test Scenario form. Such data can be placed into the ordered list and a citation number can be used within the pertinent Test Case.

            For example, expected error messages of Configuration.TryParse() might be better placed in the ordered list, rather than placing these in the pertinent Test Case. Such error messages can be cited in the Test Case.

        - data from CZL, CFG or SEQ files used in some Test Cases is too large to neatly fit into a Test Scenario form. Such files can be placed in the **Test Files** folder, as in Figure 2, and their filenames can be placed into the ordered list and a cited within the pertinent Test Case.

            For example, testing of Configuration.TryParse() requires a CFG file that contains over 100 lines. Instead of placing these 100 lines in a Test Scenario form or the associated ordered list, this CFG file can be placed in the Test Files folder, the filename of this CFG file can be placed in the ordered list, and the filename can be cited within the pertinent Test Case.

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An example of a Test Scenario, citations, and ordered list is below.

Test Scenario ID	Test Description				
10	Check the validity of a configuration file.				
Test Method	**Method Tested**				
	Boolean Configuration.TryParse(String path, out Configuration aConfiguration)				
Test Case ID	**Parameters**	**Expected Data**	**Actual Data**	**Test Result**	**Test Comments**
10.1	path = [1] aConfiguration NA	expectedReturn = true no error messages			
10.2	path = [2] aConfiguration NA	expectedReturn = false error message = [3]			

1. Test Files/Test Case 10_1.cfg
2. Test Files/Test Case 10_2.cfg
3. error 2: code 1001: key-value pair (UPPERCASE=yes), value is not matching the pattern ^(true|false)$

5. Test Results - Portfolio Document

You must produce one Word document of professional quality to show the results of program testing.

Ensure that the each Test Scenario section (see below) follows the same order as Rubric items 20 to 26.

This document must include the following:

- a title page
- a contents page
- an introduction page
- a document body that contains numbered sections, one section for each Test Scenario. Each section will include:
    1. a justification for each test case that failed
    2. a justification for each test case that was not implemented
    3. what you learnt from this scenario
    4. a completed Test Scenario form including values for Test Method name, Actual Data, Test Results, and any Test Comments
    5. an ordered list of data or filenames used by Test Cases (as described above in Test Design Portfolio Document)