

SIT323 Practical Software Development, Trimester 2, 2018

Week 2 – Practical 1

Familiarisation with Assessment Task 1

Introduction

This practical focuses on you becoming familiar with an old working program (the one you need to update for Assessment Task 1), old file formats that this old program expects, and new file formats that your updated program expects.

Tasks

1. Your first task for this practical is to understand the requirements for Assessment Task 1. Therefore, obtain the file called **Assessment Task 1.pdf**, read it, comprehend it, and ask questions.
2. In general, what is the scope of:
 - a) updating that old program?
 - b) testing your updated program?
3. Download the ZIP file called **Old Program and Old Files.zip**.
 - a) Build and run the old program.
 - b) Use that old program to open the file called **Test 1 Crozzle.txt**. Notice that:
 - i. the crozzle is displayed
 - ii. the crozzle file was validated
 - iii. the configuration file was validated
 - iv. the word list file was validated
 - c) Try validating the crozzle by selecting the menu **Validate > Crozzle**. Notice that the score of this valid crozzle is displayed.
 - d) Try viewing the list of errors by selecting **View > Error List**. Notice that another form appears, and it indicates no errors reported for the 3 input files and crozzle.
 - e) How many errors are reported for Test 2?
 - f) How many errors are reported for Test 3?

4. Download the ZIP file **Assessment Task 1 Files.zip** containing input files that your updated program must be able to read and process. These files are based on the new format. That old program will not be able to read these files.
 - a) Manually confirm that the three files for Test1 are actually valid.
 - b) What is the score for the valid crozzle of Test1?
 - c) Can you confirm that the three files for Test2 are actually valid?
 - d) Can you confirm that the crozzle for Test2 is invalid?
 - e) Can you confirm that the three files for Test3 are actually invalid?

NOTE: while you're manually validating these files, you should consider:

- **how to update that old program to read these files, and**
- **different data values for testing your updated program.**

5. Try using that old program to read the data values from those files with new formats. Clearly that old program cannot read the new formats.

However, you might like to make a copy of the old Test 1 input files and rename them as follows.

- **Prac1 Configuration.txt**
- **Prac1 Crozzle.txt**
- **Prac1 Wordlist.txt**

Then update data values in these three Prac1 files based on values in Test1.cfg, Test1.czl and Test1.seq. That is, manually copy values that you find in **Test1.cfg** to **Prac1 Configuration.txt**, and so on for the other 2 Prac1 files.

Use that old program to open **Prac1 Crozzle.txt**, it should display a crozzle as depicted in the following image.

