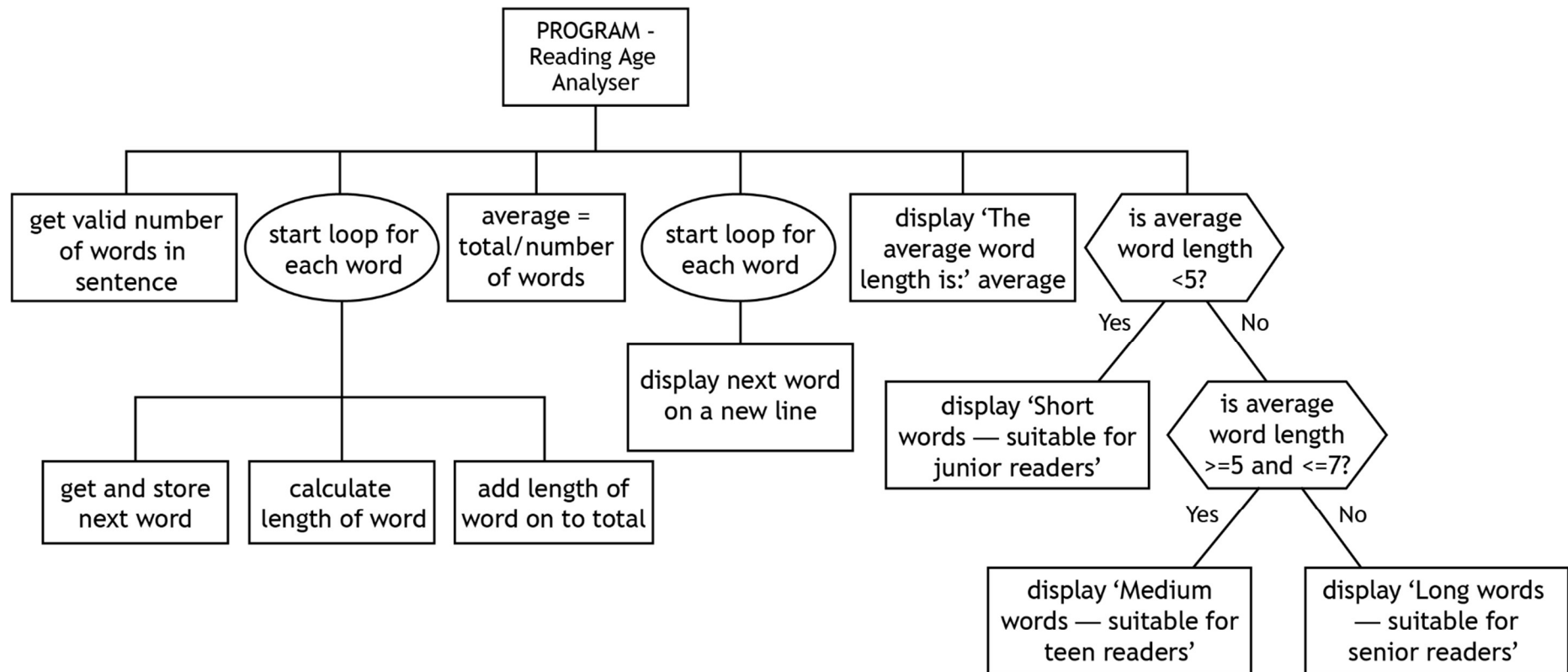


Task 1: software design and development (part C)

Program design (completed structure diagram)



- 1c Using the program analysis and the design, implement the program in a language of your choice.

Ensure the program matches the completed structure diagram.

Print evidence of your program code.

(15 marks)

- 1d(i) You should test your program to ensure it produces the expected output.

Use the following data to check that the message 'Long words – suitable for senior readers' is displayed:

Number of words: 5
Words in sentence: distressed
tourists
wandering
around
aimlessly

Run your program to show that it produces the correct message.

Print evidence of the test run showing inputs and outputs.

(1 mark)

- (ii) Additional test data is required to check that the other two messages are also displayed correctly.

Complete the test table below with data that could be used to produce the other two messages.

Test data	Expected results
Number of words: 4 Sentence:	'Short words – suitable for junior readers' is displayed.
Number of words: 3 Sentence:	'Medium words – suitable for teen readers' is displayed.

(2 marks)

Candidate name_____ Candidate number_____

1e With reference to your code, evaluate your program by commenting on the following:

Efficiency of your program code	(1 mark)
Readability of your program code	(1 mark)

Candidate name_____ Candidate number_____