

Candidate number: CANDIDATENUM

## Summary

Mark /40	Total %
TOTALMARK	PERCENTMARK

## Feedback

FEEDBACKTEXT

### Mark breakdown: CA1 breakdown

Create word search boards	SECTION1	/10
Check answers	SECTION2	/10
User interface	SECTION3	/10
Project logic	SECTION4	/10
<b>Total</b>	TOTALMARK	/40

## Marking criteria: CA1

Each of the four sections has a potential mark of 10 and the assignment as a whole has a potential mark of 40. Functionality marks will only be awarded if the pseudo code and flowchart are well defined and show the same logic.

- **Creating the word search board** [10 marks]
  - Is there a function called `create word search` that creates a letter matrix - 2 mark
  - Does the function return a matrix with the suitable dimentions containing randomised letters - 2 marks
  - Does the function use the words.txt file effectively - 2 marks
  - Does the board effectively embed words in all directions - 4 marks
- **Check answers against word search board** [10 marks]
  - Is there a function called `check answer` that could check an answer - 2 marks
  - Does the function use indexing correctly to check the corresponding board letters - 2 marks
  - Does the function use the words.txt content to check if the word is a correct word - 2 marks
  - Is the answer checking done in a computationally efficient manner to optimise game play - 4 marks
- **User interface** [10 marks]
  - Does the interface start make appropriate use of user inputs - 2 marks
  - Is the word search board well formatted - 2 marks
  - Is the user input managed through functions and filtered for the keywords - 4 marks
  - Is the time correctly recorded and returned to the user at the end of the game - 2 marks
- **Gameplay logic and project delivery** [10 marks]
  - Does the game logic enable gameplay from start to finish - 3 marks
  - Is the gameplay adjusted to make the game difficult by, for example, making randomness match letter frequency in natural language and embedded more words - 4 marks
  - Is the software reliable (through testing), fault tolerant (through effective exception handling and input validation), accountable when errors occur (through logging) - 3 marks