Task completed:

| Date started | Date completed |
| --- | --- |
|  |  |

Analysis

Try and create 3 or more key success criteria for your program.

**Success Criteria:**

1. To allow the user to enter their details and to then authenticate them
2. To store a list of song names and their artists in an external file
3. To select a song from the file, displaying the artist and the first letter of each word of the song title
4. To allow the user up to 2 guesses to guess the name of the song correctly, then stopping the game if they guess a song incorrectly on the second chance
5. To add the points to the players existing score once they have finished the game – score should depend on the number of guesses
6. To display the number of points the player has when the game ends
7. To store the name of the player and their score in an external file
8. To display the score and the players name of the top 5 winning scores from the external file
9. To be user friendly

Design

* *You may like to create a flow chart which will show broadly how your program will work. If so include your flow chart in this section.*
* *You must create pseudocode for a part of your program (minimum of 15 lines)*

Test design

* *Think of tests that you can carry out to see if your system works*
* *Remember to try and use normal, boundary and erroneous tests.*
* *If you wish to, you may add more tests to the table.*

**My tests:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test | What am I testing? | What data will I use? | Normal/Boundary/Erroneous? | Expected Result |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

**My test screenshots:**

Development

* *Copy and paste your code into this section*
* *Remember to try and add comments to your code to make it more readable!*

**My program code:**

Testing

* *Show you have completed the tests you thought of*
* *Identify if you needed to make changes to your program*
* *Include the screenshots of the tests*

**My tests:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test | What am I testing? | Expected result | Pass/Fail | Do I need to change my program? If so, how? |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

**My test screenshots:**

Evaluation

* Evaluate how successful your program was. You may find it useful to refer back to your tests
* You should reflect on any new skills you have developed

This section should be approximately 200-500 words.

**How successful was my program?**

**What new skills have I developed?**