Task completed:

| Date started | Date completed |
| --- | --- |
| 26/04/2022 |  |

Analysis

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

**Success Criteria:**

1. Be able to store encrypted user data in an external file (using JSON):

* Make a register and login system for the user so that only registered users can play, store this data in the encrypted user data file.
* Use a caeser shift algorithm for the encryption
* Store user names and passwords in a JSON file called “users.json”

3. be able to pick a random song and artist and get the user to try and guess them:

- award users points based on how many tries it took them to guess the right answer

- if users don’t get the answer right give them no points

-

1. Create a list of songs and their artists and store high score:

* Store in a JSON file called “songs.json”
* Store user high scores in a JSON file called “scores.json”

Design

* *You may like to create a flow charts 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). If possible, try to create all of your program in pseudocode. Use the OCR guide in the specification to help you*

Flowchart:

Graphical user interface, application, Teams

Description automatically generated

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 |  |  |  |  |

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 should like your evaluation to your testing results.
* 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?**