|  |  |
| --- | --- |
| Full Name |  |
| Student ID |  |

Final design

**Important story text is in initial design. Final design is primarily the algorithm and only shows what happens to execute the script.**

1.     Import math

2.     Give background information and ask the User for their name

3.     Ask the User if they want to become Batman(y/n)

a.     If the user input n

                                                    i. Route 1

b.     if the user inputs y

                                                    i. Route 2

c.      Otherwise

                                                    i. Print error quit program

1.     Route 1

2.     Joker threatens the user and asks user how long they want to live in seconds

a.     If user inputs a number above 1

                                                    i.          Print jokers’ reaction

                                                   ii.          end program

b.     If user inputs a number below or equal to 1

                                                    i.          Print Jokers reaction

                                                   ii.          end program

c.      Otherwise

                                                    i.          Route 2

1)     Route 2

2)     List skills after background text

a)     Skills: 1.combat techniques , 2. strength , 3.speed , 4.technology , 5.detective abilities, 6.agility, 7.stealth , 8.escape techniques . Then ask user choose main skills

3)     Ask what they want to be their main skill

a)     If user chooses something that isn’t a number

i)       Output invalid

ii)     Ask prompt again

b)     if user something that isn’t one of the number options

i)       output invalid

ii)     ask prompt again

4)     Ask what they want to be their secondary  skill

a)     If user chooses something that isn’t a number

i)       Output invalid

ii)     Ask prompt again

b)     if user something that isn’t one of the number options

i)       output invalid

ii)     ask prompt again

5)     ask user what they want to be their secondary skill

a)     If user chooses something that isn’t a number

i)       Output invalid

ii)     Ask prompt again

b)     if user something that isn’t one of the number options

i)       output invalid

ii)     ask prompt again

6)     Ask the user “how long do they want to train in months? (choose between 6 and 24)”

a)     If user chooses something that isn’t a number

i)       Output invalid

ii)     Ask prompt again

b)     if user something that isn’t between the numbers 6 and 24

i)       output invalid

ii)     ask prompt again

7)     process the equation primary(secondary + tertiary )^months  set it equal to Level

8)     If level is above 3000000

a)     Path 1 text

i)       Ask user if they are going to kill Joker or let them live and take him to jail (type live or die)

ii)     If user types live

(1)   Print dark knight text

iii)    If user types die

(1)   Print badman text

9)     If level is above 1500000

a)     Path 2 text

10)  If level is below 1500000

a)     You died. Badly.