Informatics Institute of Technology

MODULE: 4COSC006C.1 Software Development I

Module Leader: Mr. Saman Hettiarachchi

Coursework: Test Plan

Student ID	-	20200059
Student UOW ID	-	w1809851
Student Full Name	-	P.H.C.R.D. Herath
Group	-	C
Date of Submission	-	11/12/2020

APPENDIX 1 – TEST PLAN for Part 1 & 2

Student Name: P.H.C.R.D Herath				
Student ID: w1809851				
TEST PLAN for Part 1 Submit completed test plan with your code solution				
Test No.	Test Input	Expected Result	Actual Result (or state 'not attempted')	Pass / Fail ('Actual Result' matches 'Expected Result')
1	Pass = 120 Defer = 0 Fail = 0	'Progress' is displayed	'Progress' is displayed	Pass
2	Pass = 100 Defer = 20 Fail = 0	'Progress (module trailer)' is displayed	'Progress (module trailer)' is displayed	Pass
3	Pass = 100 Defer = 0 Fail = 20	'Progress (module trailer)' is displayed	'Progress (module trailer)' is displayed	Pass
4	Pass = 80 Defer = 20 Fail = 20	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
5	Pass = 60 Defer = 40 Fail = 20	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
6	Pass = 40 Defer = 40 Fail = 40	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
7	Pass = 20 Defer = 40 Fail = 60	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
8	Pass = 20 Defer = 20 Fail = 80	'Exclude' is displayed	'Exclude' is displayed	Pass
9	Pass = 20 Defer = 0 Fail = 100	'Exclude' is displayed	'Exclude' is displayed	Pass
10	Pass = 0 Defer = 0 Fail = 120	'Exclude' is displayed	'Exclude' is displayed	Pass
TEST PLAN for Part 2				
11	Pass = a	'Integer required' displayed	'Integer required' displayed	Pass
12	Pass = 5	'Out of range' displayed	'Out of range' displayed	Pass
13	Pass = 100 Defer = 40 Fail = 0	'Total incorrect' displayed	'Total incorrect' displayed	Pass

APPENDIX 2 – TEST PLAN for <u>Part 3 & 4 - (Staff Version with Histogram)</u>

Test No.	Test Input	Expected Result	Actual Result (or 'not attempted')	Pass/Fail
		TEST PLAN for Part 3 Submit this completed test plan with your solution code		
14	Pass = 120 Defer = 0 Fail = 0	'Progress' is displayed	'Progress' is displayed	Pass
15	Pass = 100 Defer = 20 Fail = 0	'Progress (module trailer)' is displayed	'Progress (module trailer)' is displayed	Pass
16	Pass = 100 Defer = 0 Fail = 20	'Progress (module trailer)' is displayed	'Progress (module trailer)' is displayed	Pass
17	Pass = 80 Defer = 20 Fail = 20	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
18	Pass = 60 Defer = 20 Fail = 40	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
19	Pass = 40 Defer = 80 Fail = 0	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
20	Pass = 40 Defer = 40 Fail = 40	'Do not Progress – module retriever' is displayed	'Do not Progress – module retriever' is displayed	Pass
21	Pass = 20 Defer = 20 Fail = 80	'Exclude' is displayed	'Exclude' is displayed	Pass

APPENDIX 2 – TEST PLAN for <u>Part 3 & 4 - (Staff Version with Histogram)</u>

		Displaying Histogram		
22	Enter 'q' to quit	Exits loop	Exits loop	Pass
23	Exit loop	Progress 1 : * Trailer 2 : ** Retriever 4 : **** Excluded 1 : * 8 outcomes in total	Progress 1 : * Trailer 2 : ** Retriever 4 : **** Excluded 1 : * 8 outcomes in total	Pass
TEST PLAN for Part 4				Pass/Fail
24	Use test data from Part 3 TEST plan 14-21			

25	Enter 'q' to quit / Exit loop	Expected result
		
		Progress 1 | Trailer 2 | Retriever 4 | Exclude 1
		    * * * *
		             * *
		                      *
		                      *
		
		8 outcomes in total
			Actual Result
			
			Progress 1 | Trailer 2 | Retriever 4 | Exclude 1
			    * * * *
			             * *
			                      *
			                      *
			
			8 outcomes in total
				Pass

APPENDIX 3 – TEST PLAN for Part 5

TEST PLAN for **Part 5** Submit this completed test plan with your solution code				
Test No.	Test Input	Expected Result	Actual Result (or state 'not attempted')	Pass / Fail
| 26 | Program is run | ```
Progress
Progress (module trailer)
Progress (module trailer)
Do not Progress - module
retriever
Do not Progress - module
retriever
Do not Progress - module
retriever
Do not Progress - module
retriever
Exclude
Exclude
Exclude

Progress  1: *
Trailing  2: **
Retriever 4: **
Excluded  3: ***

10 outcomes in total.
``` | ```
Progress
Progress (module trailer)
Progress (module trailer)
Do not Progress - module
retriever
Do not Progress - module
retriever
Do not Progress - module
retriever
Do not Progress - module
retriever
Exclude
Exclude
Exclude

Progress  1: *
Trailing  2: **
Retriever 4: **
Excluded  3: ***

10 outcomes in total.
``` | Pass |

Referencing

[1]   University, G., 2020. *Raise Exception | Python.* [online] Geek University.
        Available at: <https://geek-university.com/python/raise-exception/>
        [Accessed 9 December 2020].

[2]   GeeksforGeeks. 2020. *Python End Parameter In Print() - Geeksforgeeks.* [online]
        Available at: <https://www.geeksforgeeks.org/gfact-50-python-end-parameter-in-print/>
        Accessed 9 December 2020].

[3]   Youtube.com. 2020. [online]
        Available at: <https://www.youtube.com/watch?v=B5GhlXhDfoE>
        [Accessed 9 December 2020].