

4COSC006C: Software Development I – TEST PLAN for Part 1

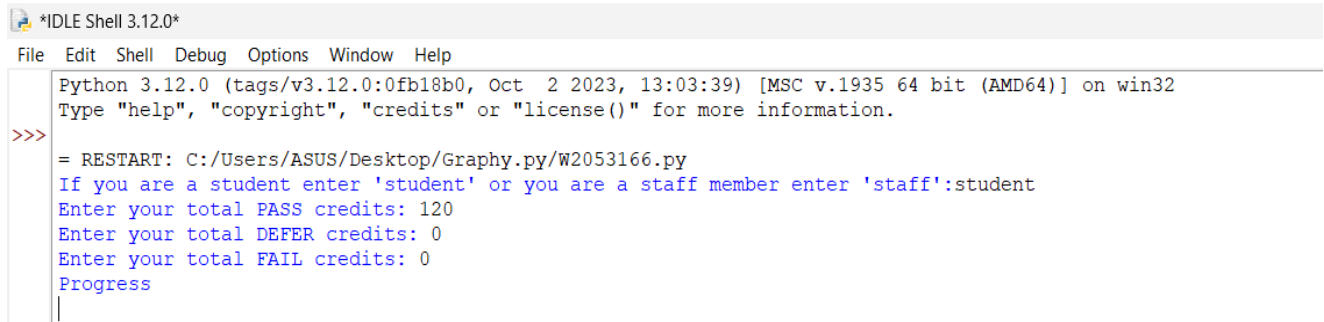
Student Name/ID: D.M.G. Pamodi Pansiluni / 2053166

Seminar Day/Time:

Module Tutor: Ms. Malithi Mithsara

	Student Name: D.M.G. Pamodi Pansiluni				Student ID: 2053166
	TEST PLAN for Part 1 : Submit completed test plan with your code solution				
Test Component	Test No.	Test Input	A - Expected Result	B - Actual Result (or state 'not attempted')	Pass/Fail ('A' matches 'B' == Pass)
Progress	1	Pass = 120 Defer = 0 Fail = 0	'Progress' displayed	'Progress' displayed	Pass
Progress (module trailer)	2.1	Pass = 100 Defer = 20 Fail = 0	'Progress (module trailer)' displayed	'Progress (module trailer)' displayed	Pass
	2.2	Pass = 100 Defer = 0 Fail = 20	'Progress (module trailer)' displayed	'Progress (module trailer)' displayed	Pass
Module retriever	3.1	Pass = 80 Defer = 20 Fail = 20	'Module retriever' is displayed	'Module retriever' displayed	Pass
	3.2	Pass = 60 Defer = 0 Fail = 60	'Module retriever' is displayed	'Module retriever' displayed	Pass
	3.3	Pass = 40 Defer = 80 Fail = 0	'Module retriever' is displayed	'Module retriever' displayed	Pass
	3.4	Pass = 20 Defer = 40 Fail = 60	'Module retriever' is displayed	'Module retriever' displayed	Pass
	3.5	Pass = 0 Defer = 60 Fail = 60	'Module retriever' is displayed	'Module retriever' displayed	Pass
Exclude	4.1	Pass = 40 Defer = 0 Fail = 80	'Exclude' displayed	'Exclude' displayed	Pass
	4.2	Pass = 20 Defer = 0 Fail = 100	'Exclude' displayed	'Exclude' displayed	Pass
Validation	5.1	Pass = a	'Integer required'	'Integer required'	Pass
	5.2	Pass = 5	'Out of range'	'Out of range'	Pass

	5.3	Pass = 100 Defer = 40 Fail = 0	'Total incorrect' displayed	'Total incorrect' displayed	Pass
Loops for multiple inputs	6.1	Program loops	Predicts multiple progression outcomes	Predicts multiple progression outcomes	Pass
	6.2	Enter 'q'	Exits loop	Exit loop	Pass
Histogram	7.1		Window pops up and renders graph. Includes values for Progress, Trailer, Retriever and Excluded	Window pops up and renders graph. Includes values for Progress, Trailer, Retriever and Excluded	Pass
	7.2		Shows outcomes in total.	Shows outcomes in total.	Pass

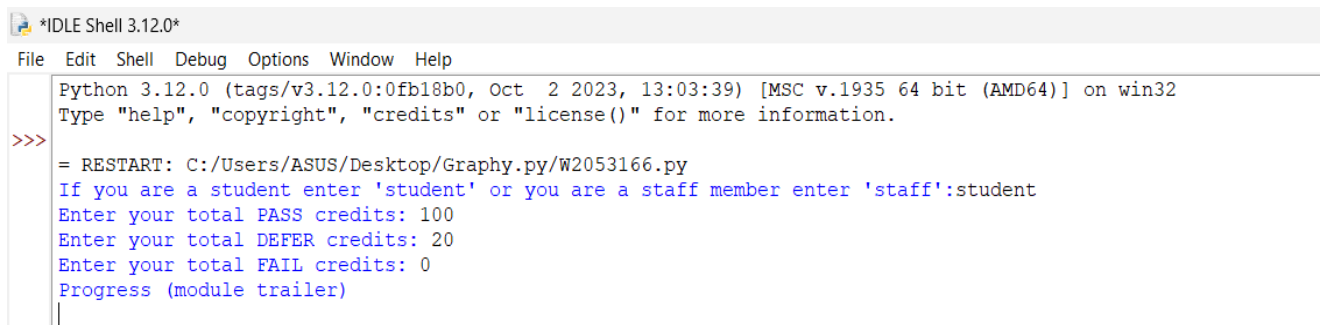


```

Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 120
Enter your total DEFER credits: 0
Enter your total FAIL credits: 0
Progress
|

```

Figure 1



```

Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 100
Enter your total DEFER credits: 20
Enter your total FAIL credits: 0
Progress (module trailer)
|

```

Figure 2.1

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 100
Enter your total DEFER credits: 20
Enter your total FAIL credits: 0
Progress (module trailer)
|
```

Figure 2.2

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 80
Enter your total DEFER credits: 20
Enter your total FAIL credits: 20
Do not progress - module retriever
|
```

Figure 3.1

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 60
Enter your total DEFER credits: 0
Enter your total FAIL credits: 60
Do not progress - module retriever
|
```

Figure 3.2

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 40
Enter your total DEFER credits: 80
Enter your total FAIL credits: 0
Do not progress - module retriever
|
```

Figure 3.3

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 20
Enter your total DEFER credits: 40
Enter your total FAIL credits: 60
Do not progress - module retriever
|
```

Figure 3.4

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 0
Enter your total DEFER credits: 60
Enter your total FAIL credits: 60
Do not progress - module retriever
|
```

Figure 3.5

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 40
Enter your total DEFER credits: 0
Enter your total FAIL credits: 80
Exclude
|
```

Figure 4.1

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 20
Enter your total DEFER credits: 0
Enter your total FAIL credits: 100
Exclude
|
```

Figure 4.2

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: a
Integer Required
Enter your total PASS credits: 120
Enter your total DEFER credits: 0
Enter your total FAIL credits: 0
Progress
|
```

Figure 5.1

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 5
Out of Range
Enter your total PASS credits: 120
Enter your total DEFER credits: 0
Enter your total FAIL credits: 0
Progress
|
```

Figure 5.2

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':student
Enter your total PASS credits: 100
Enter your total DEFER credits: 40
Enter your total FAIL credits: 0
Total incorrect
|
```

Figure 5.3

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':staff
Enter your total PASS credits: 120
Enter your total DEFER credits: 0
Enter your total FAIL credits: 0
Progress
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 40
Enter your total DEFER credits: 40
Enter your total FAIL credits: 40
Do not progress - module retriever
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 60
Enter your total DEFER credits: 0
Enter your total FAIL credits: 60
Do not progress - module retriever
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: |
```

Figure 6.1

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':staff
Enter your total PASS credits: 120
Enter your total DEFER credits: 0
Enter your total FAIL credits: 0
Progress
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 40
Enter your total DEFER credits: 40
Enter your total FAIL credits: 40
Do not progress - module retriever
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 60
Enter your total DEFER credits: 0
Enter your total FAIL credits: 60
Do not progress - module retriever
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: q
|
```

Figure 6.2

```
*IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/Desktop/Graphy.py/W2053166.py
If you are a student enter 'student' or you are a staff member enter 'staff':staff
Enter your total PASS credits: 120
Enter your total DEFER credits: 0
Enter your total FAIL credits: 0
Progress
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 100
Enter your total DEFER credits: 0
Enter your total FAIL credits: 20
Progress (module trailer)
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 100
Enter your total DEFER credits: 20
Enter your total FAIL credits: 0
Progress (module trailer)
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 40
Enter your total DEFER credits: 40
Enter your total FAIL credits: 40
Do not progress - module retriever
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 80
Enter your total DEFER credits: 0
Enter your total FAIL credits: 40
Do not progress - module retriever
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: y
Enter your total PASS credits: 0
Enter your total DEFER credits: 20
Enter your total FAIL credits: 100
Exclude
Would you like to enter another set of data ?
Enter 'y' for yes or 'q' to quit and view results: q
|
```

Figure 7.1

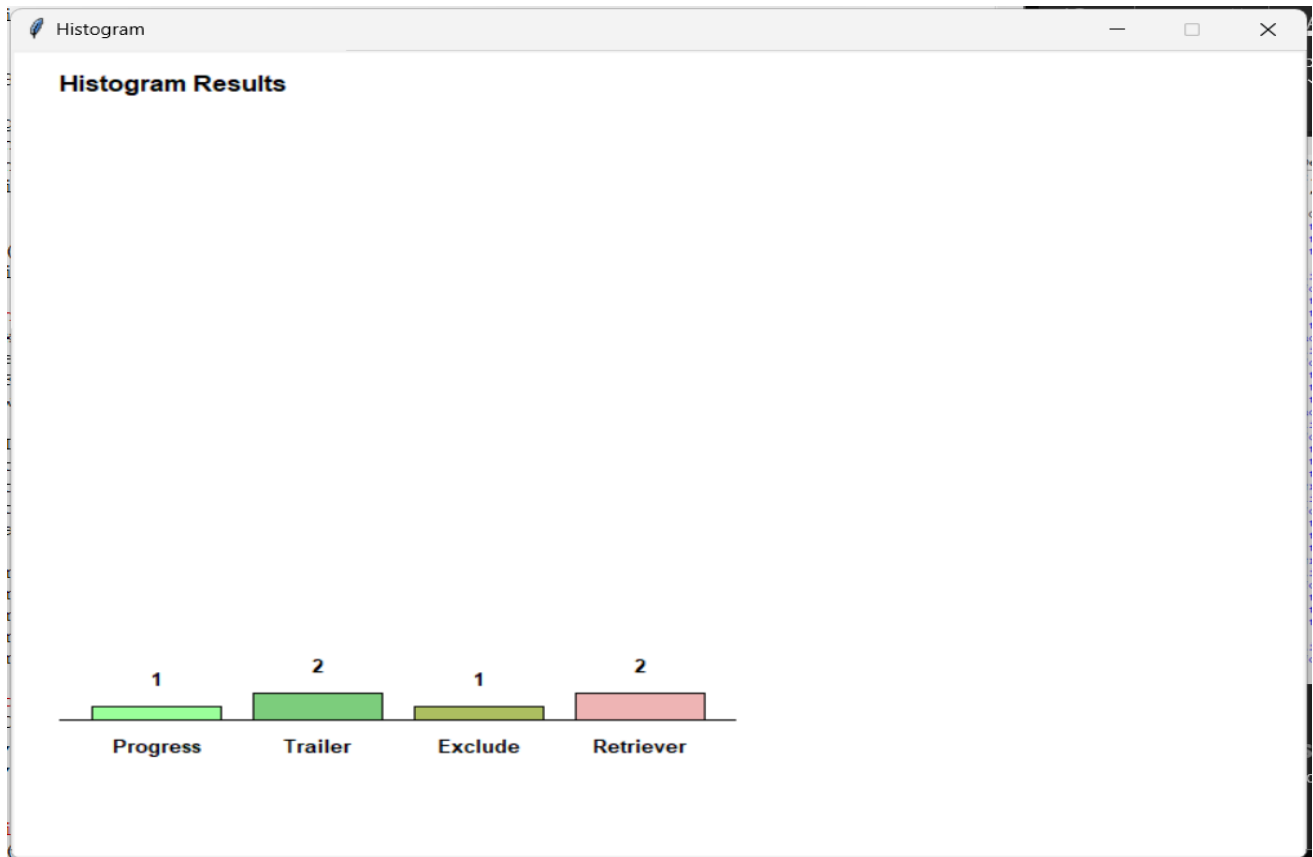


Figure 7.1.1

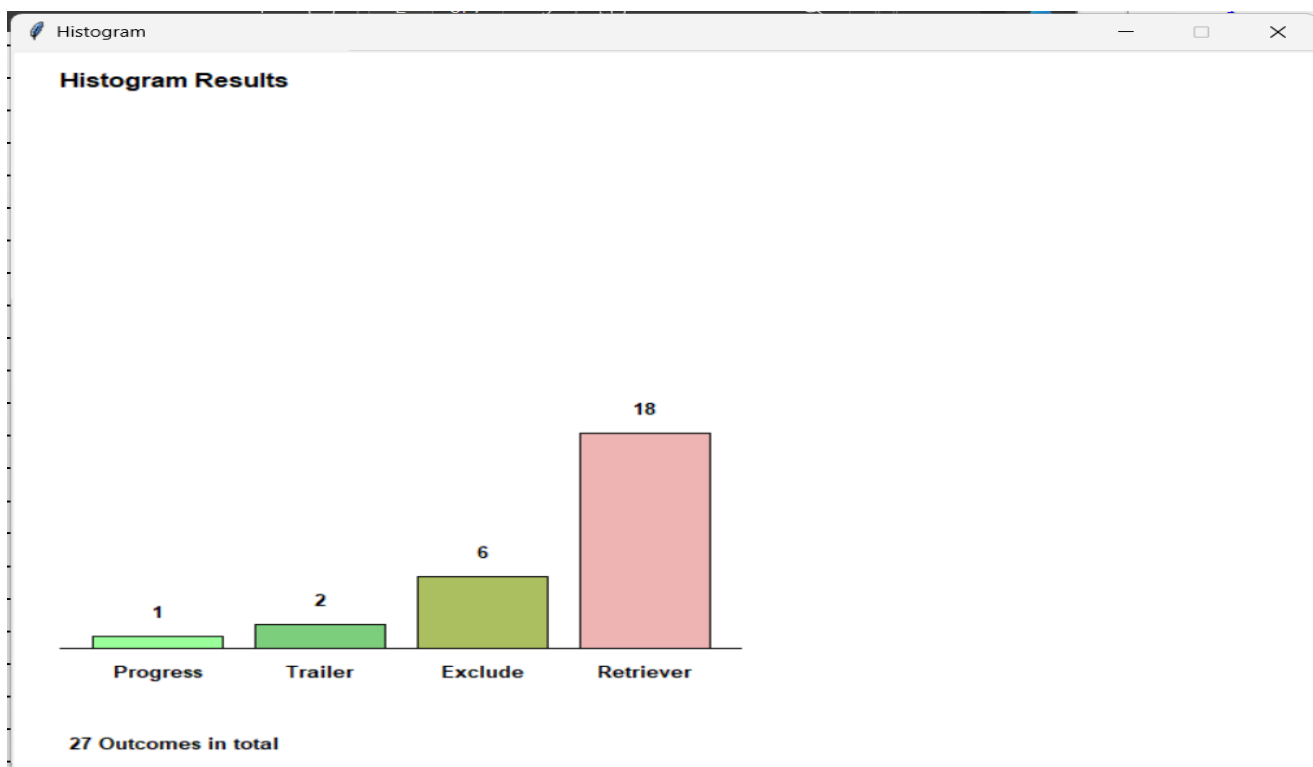


Figure 7.2