

**4COSC006C: Software Development I - APPENDIX 1 – TEST PLANS**

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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 = Pass' )
1	Pass = 120 Defer = 0 Fail = 0	'Progress' is displayed	Progress	pass
2	Pass = 100 Defer = 20 Fail = 0	'Progress (module trailer)' displayed	Progress (module trailer)	pass
3	Pass = 100 Defer = 0 Fail = 20	'Progress (module trailer)' displayed	Progress (module trailer)	pass
4	Pass = 80 Defer = 20 Fail = 20	'Module retriever' is displayed	Progress (module trailer)	pass
5	Pass = 60 Defer = 40 Fail = 20	'Module retriever' is displayed	Progress (module trailer)	pass
6	Pass = 40 Defer = 40 Fail = 40	'Module retriever' is displayed	Progress (module trailer)	pass
7	Pass = 20 Defer = 40 Fail = 60	'Module retriever' is displayed	Progress (module trailer)	pass
8	Pass = 20 Defer = 20 Fail = 80	'Exclude' displayed	Exclude	pass
9	Pass = 20 Defer = 0 Fail = 100	'Exclude' displayed	Exclude	pass
10	Pass = 0 Defer = 0 Fail = 120	'Exclude' displayed	Exclude	pass
Validation				
11	Pass = a	'Integer required' displayed	Integer required	pass
12	Pass = 5	'Out of range' displayed	Out of range	pass
13	Pass = 100 Defer = 40 Fail = 0	'Total incorrect' displayed	Total incorrect	pass

Displaying Histogram				
14	Program loops	Predicts multiple progression outcomes	Displayed Predicts multiple progression outcomes	pass
15	Enter 'q' to quit	Exits loop	Display menu	pass
16	Exit loop	Progress 1 : * Trailer 2 : ** Retriever 4 : **** Excluded 1 : *  8 outcomes in total.	Displayed	pass

TEST PLAN for Part 2, 3 and 4			Actual Result (or state 'not attempted')	Pass/Fail
17	Vertical Histogram	Progress 1   Trailer 2   Retriever 4   Exclude 1 *        *        *        * *        * * *  8 outcomes in total.	Displayed	pass
18	Solution uses list, tuple or dictionary	Output uses data stored to and retrieved from list, tuple or dictionary	Stored and retrieved to use	pass
19	Solution uses text file	Output uses data stored to and retrieved from text file	Stored to text file	pass