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

Student Name/ID: Ahamed Nimas Nimshi / W1871024

Seminar Day/Time: Module Tutor: Saman Hettiarachchi

Student Name:			Student ID:	
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	Please enter your credits at pass: 120 Please enter your credits at Defer: 0 Please enter your credits at fail: 0 Progress	**PASS**
2	Pass = 100 Defer = 20 Fail = 0	'Progress (module trailer)' displayed	Please enter your credits at pass: 100 Please enter your credits at Defer: 20 Please enter your credits at fail: 0 Progress(module trailer)	**PASS**
3	Pass = 100 Defer = 0 Fail = 20	'Progress (module trailer)' displayed	Please enter your credits at pass: 100 Please enter your credits at Defer: 0 Please enter your credits at fail: 20 Progress(module trailer)	**PASS**
4	Pass = 80 Defer = 20 Fail = 20	'Module retriever' is displayed	Please enter your credits at pass: 80 Please enter your credits at Defer: 20 Please enter your credits at fail: 20 Module retriever	**PASS**
5	Pass = 60 Defer = 40 Fail = 20	'Module retriever' is displayed	Please enter your credits at pass: 60 Please enter your credits at Defer: 40 Please enter your credits at fail: 20 Module retriever	**PASS**
6	Pass = 40 Defer = 40 Fail = 40	'Module retriever' is displayed	Please enter your credits at pass: 40 Please enter your credits at Defer: 40 Please enter your credits at fail: 40 Module retriever	**PASS**
7	Pass = 20 Defer = 40 Fail = 60	'Module retriever' is displayed	Please enter your credits at pass: 20 Please enter your credits at Defer: 40 Please enter your credits at fail: 60 Module retriever	**PASS**

#	Input	Expected	Output	Result
8	Pass = 20 Defer = 20 Fail = 80	'Exclude' displayed	Please enter your credits at pass: 20 Please enter your credits at Defer: 20 Please enter your credits at fail: 80 Exclude	**PASS**
9	Pass = 20 Defer = 0 Fail = 100	'Exclude' displayed	Please enter your credits at pass: 20 Please enter your credits at Defer: 0 Please enter your credits at fail: 100 Exclude	**PASS**
10	Pass = 0 Defer = 0 Fail = 120	'Exclude' displayed	Please enter your credits at pass: 0 Please enter your credits at Defer: 0 Please enter your credits at fail: 120 Exclude	**PASS**
Validation				
11	Pass = a	'Integer required' displayed	Please enter your credits at pass: a Integer required.	**PASS**
12	Pass = 5	'Out of range' displayed	Please enter your credits at pass: 5 Out of range.	**PASS**
13	Pass = 100 Defer = 40 Fail = 0	'Total incorrect' displayed	Please enter your credits at pass: 100 Please enter your credits at Defer: 40 Please enter your credits at fail: 0 Total incorrect	**PASS**
Displaying Histogram				
14	Program loops	Predicts multiple progression outcomes		**PASS**
15	Enter 'q' to quit	Exits loop	Exits loop	**PASS**
16	Exit loop	Progress 1 : * Trailer 2 : ** Retriever 4 : **** Excluded 3 : *** 10 outcomes in total.	Progress 1 : * Trailer 2 : ** Retriever 4 : **** Exclude 3 : *** 10 outcomes in total	**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
		  * * * *
		       * * *
		            * *
		            *
			`Progress Trailing Retriever  Excluded`
			`   *        *        *          *`
			`            *        *          *`
			`                     *          *`
			`                                *`
				PASS

18	Solution uses list, tuple or dictionary	Output uses data stored to and retrieved from list, tuple or dictionary	`Progress - 120,0,0`
			`Progress(module trailer) - 100,20,0`
			`Progress(module trailer) - 100,0,20`
			`Module retriever - 80,20,20`
			`Module retriever - 60,40,20`
			`Module retriever - 40,40,40`
			`Module retriever - 20,40,60`
			`Exclude - 20,20,80`
			`Exclude - 20,0,100`
			`Exclude - 0,0,120`
				PASS

19	Solution uses text file	Output uses data stored to and retrieved from text file	`Progress - 120,0,0`
			`Progress(module trailer) - 100,20,0`
			`Progress(module trailer) - 100,0,20`
			`Module retriever - 80,20,20`
			`Module retriever - 60,40,20`
			`Module retriever - 40,40,40`
			`Module retriever - 20,40,60`
			`Exclude - 20,20,80`
			`Exclude - 20,0,100`
			`Exclude - 0,0,120`
				PASS