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| **4COSC006C: Software Development I - APPENDIX 1 – TEST PLANS**  Student Name/ID: ***Gevin karunarathne 20210900***  Seminar Day/Time: Module Tutor:***Mr.Torin*** |

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| **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 | ***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 | ***Do not progress – module retriever*** | ***Pass*** |
| 5 | Pass = 60  Defer = 40  Fail = 20 | ‘Module retriever’ is displayed | ***Do not progress – module retriever*** | ***Pass*** |
| 6 | Pass = 40  Defer = 40  Fail = 40 | ‘Module retriever’ is displayed | ***Do not progress – module retriever*** | ***Pass*** |
| 7 | Pass = 20  Defer = 40  Fail = 60 | ‘Module retriever’ is displayed | ***Do not progress – module retriever*** | ***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 | ***enter an integer*** | ***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 | ***yes*** | ***Pass*** |
| 15 | Enter ‘q’ to quit | Exits loop | ***yes*** | ***Pass*** |
| 16 | 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*** |

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| **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. | ***progress Trailer 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]*** | ***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]*** | ***Pass*** |