## APPENDIX 1 – TEST PLAN for Part 1 & 2

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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’) |
| 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, and then it loops till a valid input is detected | Pass |
| 12 | Pass = 5 | ‘Out of range’ displayed | ‘Out of range’ displayed, and then it loops till a valid input is detected | Pass |
| 13 | Pass = 100  Defer = 40  Fail = 0 | ‘Total incorrect’ displayed | ‘Total incorrect’ displayed, and then it loops till all three valid inputs equal 120 | Pass |

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

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| TEST PLAN for Part 3  Submit this completed test plan with your solution code | | | | |
| Test  No. | Test Input | Expected Result | Actual Result  (or ‘not attempted’) | Pass/Fail |
| 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 |
| 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 | | | Pass |
| 25 | Enter ‘q’ to quit / Exit loop | Expected result | Actual Result | Pass |
| Progress 1 | Trailer 2 | Retriever 4 | Exclude 1  \* \* \* \*  \* \*  \*  \*  8 outcomes in total | Progress 1 | Trailer 2 | Retriever 4 | Exclude 1  \* \* \* \*  \* \*  \*  \*  8 outcomes in total | |

APPENDIX 3 – TEST PLAN for Part 5

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| 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 |