TEST PLAN for Part 2 - Assignment (Progress Outcomes)

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| Submit this completed test plan with your solution code and flow chart | | | | | |
| Student Name: **M.R.T.T Bandara** | |  |  | Student ID: **17612988/1,** **2019356** |  |
| Test No. | Test Input | | Expected Result | Actual Result (State if not attempted) | Pass/Fail |
| 1 | Pass = 120 | | ‘Progress’ is displayed | Displayed ‘Progress’ | Pass |
| 2 | Pass = 100 Defer = 20 | | ‘Progress – module trailer’ is displayed | Displayed ‘Progress – module trailer’ | Pass |
| 3 | Pass = 100 Fail = 20 | | ‘Progress – module trailer’ is displayed | Displayed ‘Progress – module trailer’ | Pass |
| 4 | Pass = 80 Defer = 20 Fail = 20 | | ‘Do not Progress – module retriever’ is displayed | Displayed ‘Do not Progress – module retriever’ | Pass |
| 5 | Pass = 60 Defer = 40 Fail = 20 | | ‘Do not Progress – module retriever’ is displayed | Displayed ‘Do not Progress – module retriever’ | Pass |
| 6 | Pass = 40  Defer = 40 Fail = 40 | | ‘Do not Progress – module retriever’ is displayed | Displayed ‘Do not Progress – module retriever’ | Pass |
| 7 | Pass = 20 Defer = 40 Fail = 60 | | ‘Do not Progress – module retriever’ is displayed | Displayed ‘Do not Progress – module retriever’ | Pass |
| 8 | Pass = 20  Defer = 20 Fail = 80 | | ‘Exclude’ is displayed | Displayed ‘Exclude’ | Pass |
| 9 | Pass = 20 Fail= 100 | | ‘Exclude’ is displayed | Displayed ‘Exclude’ | Pass |
| 10 | Fail = 120 | | ‘Exclude’ is displayed | Displayed ‘Exclude’ | Pass |
| Checking quit feature, input data type, credit range and credit total: | | | | | |
| 11 | Pass = ‘q’ | | Program will be terminated and displayed the histogram with the result as follows:    ‘Progress 0:  Trailing 0:  Retriever 0:  Excluded 0:  0 outcomes in total.’ | Program terminated and displayed the histogram with the result as follows:  ‘Progress 0:  Trailing 0:  Retriever 0:  Excluded 0:  0 outcomes in total.’ | Pass |
| 12 | 1st attempt:  Pass = 120  2nd attempt:  Pass = 120  3rd attempt:  ‘q’ | | ‘Progress 2: \*\*  Trailing 0:  Retriever 0:  Excluded 0:  2 outcomes in total.’ is displayed and program will be terminated | Displayed  ‘Progress 2: \*\*  Trailing 0:  Retriever 0:  Excluded 0:  2 outcomes in total.’  and terminated the program | Pass |
| 13 | 1st attempt:  Pass = 120  2nd attempt:  Pass = ‘q’ | | ‘Progress 1: \*  Trailing 0:  Retriever 0:  Excluded 0:  1 outcome in total.’ is displayed and program will be terminated | Displayed  ‘Progress 1: \*  Trailing 0:  Retriever 0:  Excluded 0:  1 outcome in total.’  and terminated the program | Pass |
| 14 | 1st attempt:  Pass = 100  Defer = 20  2nd attempt:  Pass = ‘q’ | | ‘Progress 0:  Trailing 1: \*  Retriever 0:  Excluded 0:  1 outcome in total.’ is displayed and program will be terminated | Displayed  ‘Progress 0:  Trailing 1: \*  Retriever 0:  Excluded 0:  1 outcome in total.’  and terminated the program | Pass |
| 15 | 1st attempt:  Pass = 80  Defer = 20  Fail = 20  2nd attempt:  Pass = 120  3rd attempt:  Pass = 100  Fail = 20  4th attempt:  Fail: 120  5th attempt:  ‘q’ | | ‘Progress 1: \*  Trailing 1: \*  Retriever 1: \*  Excluded 1: \*  4 outcomes in total.’ is displayed and program will be terminated | Displayed  ‘Progress 1: \*  Trailing 1: \*  Retriever 1: \*  Excluded 1: \*  4 outcomes in total.’  and terminated the program | Pass |
| 16 | 1st attempt:  Pass = 120  2nd attempt:  Pass = 100  Defer = 20  3rd attempt:  Pass = 40  Defer = 40  Fail = 40  4th attempt:  Fail: 120  5th attempt:  Pass = 120  6th attempt:  Pass = 20  Fail = 100  7th attempt:  Pass = ‘q’ | | ‘Progress 2: \*\*  Trailing 1: \*  Retriever 1: \*  Excluded 2: \*\*  6 outcomes in total.’ is displayed and program will be terminated | Displayed  ‘Progress 2: \*\*  Trailing 1: \*  Retriever 1: \*  Excluded 2: \*\*  6 outcomes in total.’  and terminated the program | Pass |
| 17 | 1st attempt:  Pass = 12  2nd attempt:  Pass = 100  Defer = 20  3rd attempt:  Pass = 20  Defer = 40  Fail = 40    4th attempt:  Pass = 20  Defer = ‘g’  Defer = 40  Fail = 60  5th attempt:  Pass = h  6th attempt:  Fail = 110  Fail = 120  7th attempt:  Pass = 60  Defer = 60  8th attempt:  Pass = ‘q’ | | After 1st attempt, ‘Range Error’ is displayed.  After 3rd attempt, ‘Total incorrect’ is displayed.    During the 4th attempt, after the 1st Defer, ‘Integers required’ is displayed.  After 5th attempt, ‘Integers required’ is displayed.  Finally,  ‘Progress 0:  Trailing 1: \*  Retriever 2: \*\*  Excluded 1: \*  4 outcomes in total.’ is displayed and program will be terminated. | After 1st attempt, ‘Range Error’ has been displayed.  After 3rd attempt, ‘Total incorrect’ has been displayed.    During the 4th attempt, after the 1st Defer, ‘Integers required’ has been displayed.  After 5th attempt, ‘Integers required’ has been displayed.  Finally,  ‘Progress 0:  Trailing 1: \*  Retriever 2: \*\*  Excluded 1: \*  4 outcomes in total.’ has been displayed and program has been terminated. | Pass |
| 18 | 1st attempt:  Pass = ‘a’  2nd attempt:  Pass = 35  3rd attempt:  Pass = ‘q’ | | After 1st attempt, ‘Integers required.’ is displayed.  After 2nd attempt, ‘Range Error.’ is displayed.  Finally,  ‘Progress 0:  Trailing 0:  Retriever 0:  Excluded 0:  0 outcomes in total.’ is displayed and program will be terminated. | After 1st attempt, ‘Integers required.’ has been displayed.  After 2nd attempt, ‘Range Error.’ has been displayed.  Finally,  ‘Progress 0:  Trailing 0:  Retriever 0:  Excluded 0:  0 outcomes in total.’ has been displayed and program has been terminated. | Pass |
| 19 | 1st attempt:  Pass = 21  2nd attempt:  Pass = y  3rd attempt:  Fail = 120  4th attempt:  Pass = 60  Fail = w  Fail = 70  Fail = 60  5th attempt:  Pass = 120  6th attempt:  Pass = twenty  7th attempt:  Pass = q | | After 1st attempt, ‘Range Error.’ is displayed.  After 2nd attempt, ‘Integers required.’ is displayed.  During 4th attempt, after the 1st Fail, ‘Integers required.’ is displayed. After the 2nd Fail, ‘Range Error’ is displayed.  After 6th attempt, ‘Integers required.’ is displayed.  Finally,  ‘Progress 1: \*  Trailing 0:  Retriever 1: \*  Excluded 1: \*  3 outcomes in total.’ is displayed and program will be terminated. | After 1st attempt, ‘Range Error.’ has been displayed.  After 2nd attempt, ‘Integers required.’ has been displayed.  During 4th attempt, after the 1st Fail, ‘Integers required.’ has been displayed. After the 2nd Fail, ‘Range Error’ has been displayed.  After 6th attempt, ‘Integers required.’ has been displayed.  Finally,  ‘Progress 1: \*  Trailing 0:  Retriever 1: \*  Excluded 1: \*  3 outcomes in total.’ has been displayed and program has been terminated. | Pass |
| 20 | Pass = a | | ‘Integers required’ displayed | Displayed ‘Integers required’ | Pass |
| 21 | Defer = b | | ‘Integers required’ displayed | Displayed ‘Integers required’ | Pass |
| 22 | Fail = c | | ‘Integers required’ displayed | Displayed ‘Integers required’ | Pass |
| 23 | Pass = 2 | | ‘Range error’ is displayed | Displayed ‘Range error’ | Pass |
| 24 | Defer = 5 | | ‘Range error’ is displayed | Displayed ‘Range error’ | Pass |
| 25 | Fail = 10 | | ‘Range error’ is displayed | Displayed ‘Range error’ | Pass |
| 26 | Pass = 100 Defer = 40 | | ‘Total incorrect’ is displayed | Displayed ‘Total incorrect’ | Pass |
| 27 | Pass = 60  Fail= 40 | | ‘Total incorrect’ is displayed | Displayed ‘Total incorrect’ | Pass |