**4COSC001W: Software Development I – TEST PLAN for Part 1**

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Seminar Day/Time: 31.03.2023                           Module Tutor: Mr.Nadeesh Herath

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| | **TEST PLAN for Part 1** Submit completed test plan with your code solution | | | | |
| **Test Component** | **Test No.** | **Test Input** | **A - Expected Result** | **B - Actual Result (or state 'not attempted')** | **Pass/Fail ('A' matches 'B' == Pass)** |
| Progress | 1 | Pass = 120 Defer = 0 Fail = 0 | 'Progress' displayed | "Progress" displayed | Pass |
| Progress (module trailer) | 2.1 | Pass = 100 Defer = 20 Fail = 0 | 'Progress (module trailer)' displayed | 'Progress (module trailer)' displayed | Pass |
| | 2.2 | Pass = 100 Defer = 0 Fail = 20 | 'Progress (module trailer)' displayed | 'Progress (module trailer)' displayed | Pass |
| Module retriever | 3.1 | Pass = 80 Defer = 20 Fail = 20 | 'Module retriever' is displayed | 'Module retriever' is displayed | Pass |
| | 3.2 | Pass = 60 Defer = 0 Fail = 60 | 'Module retriever' is displayed | 'Module retriever' is displayed | Pass |
| | 3.3 | Pass = 40 Defer = 80 Fail = 0 | 'Module retriever' is displayed | 'Module retriever' is displayed | Pass |
| | 3.4 | Pass = 20 Defer = 40 Fail = 60 | 'Module retriever' is displayed | 'Module retriever' is displayed | Pass |
| | 3.5 | Pass = 0 Defer = 60 Fail = 60 | 'Module retriever' is displayed | 'Module retriever' is displayed | Pass |
| Exclude | 4.1 | Pass = 40 Defer = 0 Fail = 80 | 'Exclude' displayed | 'Exclude' displayed | Pass |
| | 4.2 | Pass = 20 Defer = 0 Fail = 100 | 'Exclude' displayed | 'Exclude' displayed | Pass |
| Validation | 5.1 | Pass = a | 'Integer required' | 'Integer required' | Pass |
| | 5.2 | Pass = 5 | 'Out of range' | 'Out of range' | Pass |
| | 5.3 | Pass = 100 Defer = 40 Fail = 0 | 'Total incorrect' displayed | 'Total incorrect' displayed | Pass |
| Loops for multiple inputs | 6.1 | Program loops | Predicts multiple progression outcomes | Predicts multiple progression outcomes | Pass |
| | 6.2 | Enter 'q' | Exits loop | Exits loop | Pass |
| Histogram | 7.1 | | Progress 1 : * Trailer 2     : ** Retriever 4 : ***** Excluded 3 : ** | This expected result has an typo error. According to above entered inputs, output should be("Retriever 5 : *****, Excluded 2 : **") | Pass |

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| | | | | Hence expected output must be as below ;<br>Progress 1  : *<br>Trailer 2     : **<br>Retriever 5 : *****<br>Excluded 2 : ** | |
| | 7.2 | | 10 outcomes in total. | 10 outcomes in total | Pass |