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| **4COSC006C: Software Development I – TEST PLAN for Part 1** Student Name/ID: Sipadhipathi Senarath Upalige Sachintha Chamod Piyathunga/ w2053013  Seminar Day/Time: - Monday Module Tutor : - Mr. Lakshan Costa \ Mr. Nazhim Kalam |

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| Student Name: Sachintha Chamod Piyathunga Student ID: w2053013 | | | | |
| TEST PLAN for Part 1 : Submit completed test pla3n with your code solution | | | | |
| 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’ is displayed | ‘Progress’ **is** 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 | Press ‘Q’ to quit the program, click to close the histogram, press enter to exit the program | Window pops up and renders graph. Includes values for Progress, Trailer, Retriever and Excluded | Window pops up and renders graph. Includes values for Progress, Trailer, Retriever and Excluded | Pass |
| 7.2 | Values, ‘Q’, ‘Y’, click, enter | Shows outcomes in total | 7 outcomes  5.1, 5.2, 5.3, 7.1 | Pass |