

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

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Seminar Day/Time:

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|---|----------|--------------------------------------|--|--|-------------------------------------|
| <b>TEST PLAN for Part 1</b><br>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<br>Defer = 0<br>Fail = 0  | 'Progress' displayed   | 'Progress' displayed   | pass                                |
| Progress (module trailer)   | 2.1      | Pass = 100<br>Defer = 20<br>Fail = 0 | 'Progress (module trailer)' displayed                                      | 'Progress (module trailer)' displayed                                      | pass                                |
|   | 2.2      | Pass = 100<br>Defer = 0<br>Fail = 20 | 'Progress (module trailer)' displayed                                      | 'Progress (module trailer)' displayed                                      | pass                                |
| Module retriever  | 3.1      | Pass = 80<br>Defer = 20<br>Fail = 20 | 'Module retriever' is displayed  | 'Module retriever' is displayed  | pass                                |
|   | 3.2      | Pass = 60<br>Defer = 0<br>Fail = 60  | 'Module retriever' is displayed  | 'Module retriever' is displayed  | pass                                |
|   | 3.3      | Pass = 40<br>Defer = 80<br>Fail = 0  | 'Module retriever' is displayed  | 'Module retriever' is displayed  | pass                                |
|   | 3.4      | Pass = 20<br>Defer = 40<br>Fail = 60 | 'Module retriever' is displayed  | 'Module retriever' is displayed  | pass                                |
|   | 3.5      | Pass = 0<br>Defer = 60<br>Fail = 60  | 'Module retriever' is displayed  | 'Module retriever' is displayed  | pass                                |
| Exclude   | 4.1      | Pass = 40<br>Defer = 0<br>Fail = 80  | 'Exclude' displayed  | 'Exclude' displayed  | pass                                |
|   | 4.2      | Pass = 20<br>Defer = 0<br>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<br>Defer = 40<br>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   | Exit loop  | pass                                |
| Histogram   | 7.1      |                                      | Progress 1 : *<br>Trailer 2 : **<br>Retriever 4 : *****<br>Excluded 3 : ** | Progress 1 : *<br>Trailer 2 : **<br>Retriever 4 : *****<br>Excluded 3 : ** | pass                                |
|   | 7.2      |                                      | 10 outcomes in total.  | 10 outcomes in total.  | pass                                |