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| **4COSC001W: Software Development I – TEST PLAN for Part 1** Student Name/ID: B.Y.Karunarathna  Seminar Day/Time: 16.12.2022 Module Tutor: Mr.Ryan |

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|  | Student Name: B.Y.Karunarathna Student ID: w1957468 | | | | |
|  | 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 | Enter your credits at pass: 120  Enter your credits at defer: 0  Enter your credits at fail: 0  Progress | Pass |
| Progress (module trailer) | 2.1 | Pass = 100  Defer = 20  Fail = 0 | ‘Progress (module trailer)’ displayed | Enter your credits at pass: 100  Enter your credits at defer: 20  Enter your credits at fail: 0  Progress(Module trailer) | Pass |
| 2.2 | Pass = 100  Defer = 0  Fail = 20 | ‘Progress (module trailer)’ displayed | Enter your credits at pass: 100  Enter your credits at defer: 0  Enter your credits at fail: 20  Progress(Module trailer) | Pass |
| Module retriever | 3.1 | Pass = 80  Defer = 20  Fail = 20 | ‘Module retriever’ is displayed | Enter your credits at pass: 80  Enter your credits at defer: 20  Enter your credits at fail: 20  Module retriever | Pass |
| 3.2 | Pass = 60  Defer = 0  Fail = 60 | ‘Module retriever’ is displayed | Enter your credits at pass: 60  Enter your credits at defer: 0  Enter your credits at fail: 60  Module retriever | Pass |
| 3.3 | Pass = 40  Defer = 80  Fail = 0 | ‘Module retriever’ is displayed | Enter your credits at pass: 40  Enter your credits at defer: 80  Enter your credits at fail: 0  Module retriever | Pass |
| 3.4 | Pass = 20  Defer = 40  Fail = 60 | ‘Module retriever’ is displayed | Enter your credits at pass: 20  Enter your credits at defer: 40  Enter your credits at fail: 60  Module retriever | Pass |
| 3.5 | Pass = 0  Defer = 60  Fail = 60 | ‘Module retriever’ is displayed | Enter your credits at pass: 0  Enter your credits at defer: 60  Enter your credits at fail: 60  Module retriever | Pass |
| Exclude | 4.1 | Pass = 40  Defer = 0  Fail = 80 | ‘Exclude’ displayed | Enter your credits at pass: 40  Enter your credits at defer: 0  Enter your credits at fail: 80  Exclude | Pass |
| 4.2 | Pass = 20  Defer = 0  Fail = 100 | ‘Exclude’ displayed | Enter your credits at pass: 20  Enter your credits at defer: 0  Enter your credits at fail: 100  Exclude | Pass |
| Validation | 5.1 | Pass = a | ‘Integer required’ | Enter your credits at pass: a  Integer required | Pass |
| 5.2 | Pass = 5 | ‘Out of range’ | Enter your credits at pass: 5  Out of range | Pass |
| 5.3 | Pass = 100  Defer = 40  Fail = 0 | ‘Total incorrect’ displayed | Enter your credits at pass: 100  Enter your credits at defer: 40  Enter your credits at fail: 0  Total Incorrect | Pass |
| Loops for multiple inputs | 6.1 | Program loops | Predicts multiple progression outcomes | Enter your credits at pass: 120  Enter your credits at defer: 0  Enter your credits at fail: 0  Progress  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 100  Enter your credits at defer: 0  Enter your credits at fail: 20  Progress(Module trailer)  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 100  Enter your credits at defer: 20  Enter your credits at fail: 0  Progress(Module trailer)  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 40  Enter your credits at defer: 40  Enter your credits at fail: 40  Module retriever  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 80  Enter your credits at defer: 40  Enter your credits at fail: 0  Module retriever  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 80  Enter your credits at defer: 20  Enter your credits at fail: 20  Module retriever  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 60  Enter your credits at defer: 60  Enter your credits at fail: 0  Module retriever  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 0  Enter your credits at defer: 0  Enter your credits at fail: 120  Exclude  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 0  Enter your credits at defer: 20  Enter your credits at fail: 100  Exclude  Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: y  Enter your credits at pass: 0  Enter your credits at defer: 40  Enter your credits at fail: 80  Exclude | Pass |
| 6.2 | Enter ‘q’ | Exits loop | Would you like to enter another set of data?  Enter "y" for yes or "q" to quit and view results: q  ---------------------------------------------------------------------------------------------------------------- | Pass |
| Histogram | 7.1 |  | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\*  Excluded 3 : \*\*\* | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\*  Exclude 3 : \*\*\* | Pass |
| 7.2 |  | 10 outcomes in total. | 10 outcomes in total | Pass |