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MODULE: 4COSC006C

Software Development - 1

Coursework - 1

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Student ID : 20210425

Student UoW ID : 18671441

Gratitude

First, I would like to thank the module leader of the 4COSC006C – Software Development – 1 , Mr. Saman Hettiarachchi for his guidance and providing me with the knowledge to make this CW a success. Next a special gratitude to my tutorial lecturers of the module 4COSC006C – Software Development – 1 , Mr. Lakshan Costa and Mr. Shivaraam Raghu for their guidance and support and providing feedback and clarifying doubts to help make this CW possible.

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| **4COSC006C: Software Development I - APPENDIX 1 – TEST PLANS** Student Name/ID : 18671441 - Rashmi Karunarathne  Seminar Day/Time :  Module Tutor : Mr. Lakshan costa / Mr. Shivaraam Raghu |

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| --- | --- | --- | --- | --- |
| Student Name : K.A. Rashmi Sewmini Karunarathne  Student ID : 18671441 | | | | |
|  | | | | |
| TEST PLAN for Part 1  Submit completed test plan with your code solution | | | | |
| Test  No. | Test Input | Expected Result | Actual Result  (or state ‘not attempted’) | Pass / Fail  (‘Actual Result’ matches ‘Expected Result = Pass’) |
|  |  |  |  |  |
| 1 | Pass = 120  Defer = 0  Fail = 0 | ‘Progress’ is displayed | Progress | Pass |
| 2 | Pass = 100  Defer = 20  Fail = 0 | ‘Progress (module trailer)’ displayed | Progress (module trailer) | Pass |
| 3 | Pass = 100  Defer = 0  Fail = 20 | ‘Progress (module trailer)’ displayed | Progress (module trailer) | Pass |
| 4 | Pass = 80  Defer = 20  Fail = 20 | ‘Module retriever’ is displayed | Do not progress (module retriever) | Pass |
| 5 | Pass = 60  Defer = 40  Fail = 20 | ‘Module retriever’ is displayed | Do not progress (module retriever) | Pass |
| 6 | Pass = 40  Defer = 40  Fail = 40 | ‘Module retriever’ is displayed | Do not progress (module retriever) | Pass |
| 7 | Pass = 20  Defer = 40  Fail = 60 | ‘Module retriever’ is displayed | Do not progress (module retriever) | Pass |
| 8 | Pass = 20  Defer = 20  Fail = 80 | ‘Exclude’ displayed | Exclude | Pass |
| 9 | Pass = 20  Defer = 0  Fail = 100 | ‘Exclude’ displayed | Exclude | Pass |
| 10 | Pass = 0  Defer = 0  Fail = 120 | ‘Exclude’ displayed | Exclude | Pass |
| Validation | | | | |
| 11 | Pass = a | ‘Integer required’ displayed | Integer Required | Pass |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 12 | Pass = 5 | ‘Out of range’ displayed | Out of Range | Pass |
| 13 | Pass = 100  Defer = 40  Fail = 0 | ‘Total incorrect’ displayed | Total Incorrect | Pass |
| Displaying Histogram | | | | |
| 14 | Program loops | Predicts multiple progression outcomes |  | Pass |
| 15 | Enter ‘q’ to quit | Exits loop |  | Pass |
| 16 | Exit loop | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\*  Excluded 1 : \*  8 outcomes in total. |  | Pass |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TEST PLAN for Part 2, 3 and 4 | | | Actual Result  (or state ‘not attempted’) | Pass/Fail |
| 17 | Vertical Histogram | Progress 1 | Trailer 2 | Retriever 4 | Exclude 1  \* \* \* \*  \* \*  \*  \*  8 outcomes in total. |  | Pass |
| 18 | Solution uses list, tuple or dictionary | Output uses data stored to and retrieved from list, tuple or dictionary | Text  Description automatically generated | Pass |
| 19 | Solution uses text file | Output uses data stored to and retrieved from text file | Not attempt | Fail |

Reference:

W3schools:

<https://www.w3schools.com/python/python_functions.asp>

stackoverflow:

<https://stackoverflow.com/questions/tagged/python>

datacamp:

<https://www.datacamp.com/community/tutorials/reading-writing-files-python>