PROJECT: (WK-04) Understanding Conditions

Test plan written by Darren Halpin

ASSUMPTIONS: a = 5, b = 4, c = 3

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|  | **INPUT VALUE(S)** | **REASON FOR TEST** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** |
| **TEST-A** | (a < b) | Check that a (5) is less than b (4). | **FALSE** – 5 is not less than 4. | **FALSE** |
| **TEST-B** | (a != b) | Check that a (5) is not equal to b (4). | **TRUE** – 5 is not equal to 4. | **TRUE** |
| **TEST-C** | (a > b) and (a < c) | Check that a (5) is greater than b (4) AND a (5) is less than c (3). | **FALSE** – both conditions are not true. | **FALSE** |
| **TEST-D** | (a > b) or (a < c) | Check that a (5) is greater that b (4) OR a (5) is less than c (3). | **TRUE** – One condition is true, 5 is greater than 4. | **TRUE** |
| **TEST-E** | (a – 1 == b) | Check that a (5) minus 1 (4) is equal to b (4). | **TRUE -** 5 – 1 (4) is equal to 4. | **TRUE** |
| **TEST-F** | not(b > c) | Check that the result is not equal to: ( b (4) is greater than c (3) ). | **FALSE** – 4 is greater than 3, inner condition true. | **FALSE** |