**---------TEST LOG---------**

**Validating Data Software**

**Date of Software Test: Dec 21 2022**

**Name of Software Tester: Mohammad Anwar**

| **STAGE 1**  The user must enter a String that is greater than 6 characters long. | | | |
| --- | --- | --- | --- |
| **INPUT DATA** | **EXPECTED OUTPUT** | **GENERATED OUTPUT** | **REQUIRED FIXES MADE** |
| hi | Program loops, remains in stage 1 | Program did not loop, and stopped | While loop added |
| 17645 | Program loops, remains in stage 1 | Program loops, remains in stage 1 |  |
| Really Cool | Program progresses to stage 2 | Program progressed to stage 2, but had faulty output | Fixed faulty system.out.println |
| -653 | Program loops, remains in stage 1 | Program looped |  |
| 96.76 | Program loops, remains in stage 1 | Program looped |  |
| 1054.2 | Program loops, remains in stage 1 | Program looped |  |
| 6987.325 | Program progresses to stage 2 | Program progressed to stage 2 |  |
| **STAGE 2**  The user must enter a String that contains at least one lowercase “a”. | | | |
| **INPUT DATA** | **EXPECTED OUTPUT** | **GENERATED OUTPUT** | **REQUIRED FIXES MADE** |
| apple | Program progresses to stage 3 | Program progresses to stage 3 |  |
| 54356 | Program loops, remains in stage 2 | Program returned to stage one | Replaced all if’s with while and stopped re-using one input variable (instead there is one input variable per stage |
| BANANA | Program loops, remains in stage 2 | Program looped |  |
| a | Program progresses to stage 3 | Program progressed |  |
| cucumber | Program loops, remains in stage 2 | Program looped |  |
| 412.645a23 | Program progresses to stage 3 | Program progressed |  |
| -34.32 | Program loops, remains in stage 2 | Program looped |  |
| **STAGE 3**  The user must enter a String that is between 5 and 15 characters long, and does not contain the letter “z”. | | | |
| **INPUT DATA** | **EXPECTED OUTPUT** | **GENERATED OUTPUT** | **REQUIRED FIXES MADE** |
| computer | Program progresses to stage 4 | Program progressed |  |
| zoo | Program loops, remains in stage 3 | Program looped |  |
| 1234z6789123456 | Program loops, remains in stage 3 | Program looped |  |
| 123456789123456 | Program progresses to stage 4 | Program progressed |  |
| -94861.87233198 | Program progresses to stage 4 | Program progressed |  |
| -94861.8723z1987 | Program loops, remains in stage 3 | Program looped |  |
| **STAGE 4**  The user must enter an integer between 5 and 500. | | | |
| **INPUT DATA** | **EXPECTED OUTPUT** | **GENERATED OUTPUT** | **REQUIRED FIXES MADE** |
| 5 | Program progresses to stage 5 | Program progressed |  |
| 501 | Program loops, remains in stage 4 | Program looped |  |
| 500 | Program progresses to stage 5 | Program progressed |  |
| 65A | Program loops, remains in stage 4 | Program broke | Switched all integer inputs to be strings that are parsed with Integer.parseInt() in a try catch |
| -500 | Program loops, remains in stage 4 | Program looped |  |
| 5.232 | Program loops, remains in stage 4 | Program looped |  |
| **STAGE 5**  The user must enter a negative integer. | | | |
| **INPUT DATA** | **EXPECTED OUTPUT** | **GENERATED OUTPUT** | **REQUIRED FIXES MADE** |
| 3.124 | Program loops, remains in stage 5 | Program broke | Stopped reusing initial (String) inputs, each while loop has its own unique input variables |
| -65.25 | Program loops, remains in stage 5 | Program looped |  |
| -98 | Program progresses to stage 6 | Program progressed |  |
| 698 | Program loops, remains in stage 5 | Program looped |  |
| -85247 | Program progresses to stage 6 | Program progressed |  |
| negative six | Program loops, remains in stage 5 | Program looped |  |
| -54g40 | Program loops, remains in stage 5 | Program looped |  |
| **STAGE 6**  The user must enter a positive, odd integer. | | | |
| **INPUT DATA** | **EXPECTED OUTPUT** | **GENERATED OUTPUT** | **REQUIRED FIXES MADE** |
| -34 | Program loops, remains in stage 6 | Program looped |  |
| SEVEN | Program loops, remains in stage 6 | Program looped |  |
| 4 | Program loops, remains in stage 6 | Program progressed | Fixed modulus operator (now checks if input modulus 2 is equal to 1) |
| 7 | Program outputs a congratulatory message and terminates | Program progressed |  |
| -9 | Program loops, remains in stage 6 | Program looped |  |
| 6325.1 | Program loops, remains in stage 6 | Program looped |  |
| 678943 | Program outputs a congratulatory message and terminates | Program progressed |  |

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