

**CS 1632 Software Quality Assurance**

**Exercise 1**

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1. **Introduction**
   1. **One Base Case**

Provide the IDENTIFIER of a base case that you tested. Explain why this is a base case.

* 1. **One Edge Case**

Provide the IDENTIFIER of an edge case that you tested. Explain why this is an edge case.

* 1. **One Corner Case**

Provide the IDENTIFIER of a corner case that you tested. Explain why this is a corner case.

1. **Traceability Matrix**

Complete the traceability matrix below. An “X” mark in a cell means that the test on the row verifies the requirement on the column. Note that “TEST-CASE-1” and “TEST-CASE-2” are just example test case identifiers. Please replace with your own test cases.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | FUN-ARGS-NUMBER | FUN-ARGS-INVALID | FUN-DISPLAY-RESULTS | FUN-DISPLAY-ITERATIONS | FUN-SMALL-NUM |
| TEST-CASE-1 |  |  | X | X |  |
| TEST-CASE-2 |  | X |  |  |  |
| … |  |  |  |  |  |

1. **Test Cases**

Write your test cases here.

IDENTIFIER: TEST-FUN-SMALL-NUM-10

TEST CASE: Using number smaller than 100 as the “number of times” argument to the application will result in a warning and ask the user if they want to continue.

PRECONDITIONS:

1. Make sure the **GoatGoatCar.jar** file is in the current directory.
2. Java version is JRE version 11.

EXECUTION STEPS: On the command line: “java -jar good bad 10 4”

POSTCONDITIONS:

1. **Link to GitHub issues**

Please paste here the URL to your GitHub classroom repository issues page where I can find the three closed issues.