# Test Case Metrics Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Phase I:  Plotting Line Graph | Phase II:  Random Walks | Phase III:  Rolling Dice | Total |
| Number of test cases planned: | 3 |  |  |  |
| Test Cases Executed: | 3 |  |  |  |
| Test Cases Passed: | 3 |  |  |  |
| Test Cases Failed: | 0 |  |  |  |

# Unit Test Cases

## Phase I: Plotting Line Graph

|  |  |  |  |
| --- | --- | --- | --- |
| Software Requirement Negative Number | | | |
| Related Code | | Related Output/Image | |
|  | |  | |
| Unit Test | | | |
| Description: This test is to see how the chart handles the negative numbers as an input. Here we enter negative x as the input, and for the y values since it’s squared they’re all positive. | | | |
| Recommendations: | | | |
| Passed? | Yes | **Comments:** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Software Requirement Large Number | | | |
| Related Code | | Related Output/Image | |
|  | |  | |
| Unit Test | | | |
| Description: In this test we are testing making a graph with extremely large numbers. For this we use a range of 50000, and when they start to get squared they end up really big. | | | |
| Recommendations: Don’t use numbers this large. | | | |
| Passed? | Yes | **Comments:** | **Computer was struggleing when handling these numbers. Resizing the window was jittery.** |

|  |  |  |  |
| --- | --- | --- | --- |
| Software Requirement Crossing Zero | | | |
| Related Code | | Related Output/Image | |
|  | |  | |
| Unit Test | | | |
| Description: This is a test to see how the graph handles crossing 0. In this test we are using a color map that fades out while it approaches 0. | | | |
| Recommendations: Don’t use the colormap so we can keep a solid color going throughout the entire graph for readability. | | | |
| Passed? | Yes | **Comments:** |  |

## Phase II: Random Walk

|  |  |  |  |
| --- | --- | --- | --- |
| Software Requirement <#> | | | |
| Related Code | | Related Output/Image | |
|  | |  | |
| Unit Test | | | |
| Description: | | | |
| Recommendations: | | | |
| Passed? |  | **Comments:** |  |

## Phase III: Dice Roll

|  |  |  |  |
| --- | --- | --- | --- |
| Software Requirement <#> | | | |
| Related Code | | Related Output/Image | |
|  | |  | |
| Unit Test | | | |
| Description: | | | |
| Recommendations: | | | |
| Passed? |  | **Comments:** |  |

# Overall Software Test Recommendations & Conclusions