**Test Plan 1:**

Testing for long, short, or invalid motions

**Summary:**

This test is responsible for looking at long, short, and invalid motions. Identifying if a motion is long, short, or invalid is very important and determines if the correct letters and words are produced based off the Morse code Table. A long motion is one that runs for 7 seconds or more and a short motion is one that runs for less than that. An invalid motion, however, is one that runs for less than 0 seconds.

This test is implemented using the Mocha & Chai framework. To run this test, one would need to key in mocha (test file) in the command prompt.

**Test:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Inputs | Expected Result | Actual Result | Pass |
| Short Motion | Motion of length 3 seconds | “S” | “S” | Yes |
| Long Motion | Motion of length 8 seconds | “L” | “L” | Yes |
| Invalid Motion | Motion of length -1 seconds | “Invalid” | “Invalid” | Yes |