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| **Project Name: Aegis Project 1: Voting System Team#7** | |
| **Test Stage: Unit X System \_** | **Test Date:** 3/27/21 |
| **Test Case ID#:** Helper\_2 | **Name(s) of Testers:** Michael/Donald/Lucky/Grant |
| **Test Description:**  Tests that the string input taken for  an IRballot returns the correct index  if it’s supposed to. |  |
| **Automated: yes X no \_\_\_** | **Indicate where you are storing the tests (what file) and the name of the method/functions being used.**  Stored in file:  Method names:   * IRBallotToIndex() |
| **Results: Pass \_\_\_\_\_** Fail **\_\_\_X\_\_\_\_\_** |  |
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| **Preconditions for Test:**  The strings used for the tests have been set up correctly. | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Test for random string | std::string garbage = "fjdkasl;"; | 0 | 0 |  |
| 2 | Test for empty string | std::string empty = ""; | 0 | 0 |  |
| 3 | Test for string with no zeroes | std::string no\_ones = ",,,,"; | 0 | 4 |  |
| 4 | Test for a 1 in the first position | ;std::string first\_pos = "1,,,,"; | 0 | 0 |  |
| 5 | Test for a 1 in the third position | std::string third\_pos\_only\_one = ",,1,,"; | 2 | 2 |  |
| 6 | Test for a 1 in the third position with a string full of numbers | std::string third\_pos\_full = “2,3,1,4,5”; | 2 | 2 |  |

**Post condition(s) for Test:** 

The value returned should be the correct int when the string is a valid string.