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| **Project Name: Project 1: Voting System Team#08** | |
| **Test Stage: Unit \_x\_ System \_\_** | **Test Date: 3/20/2023** |
| **Test Case ID#: Party\_04** | **Name(s) of Testers: Claire Maurus** |
| **Test Description:** Testing the getCadidateNum() function in the Party.cpp/.h class using Party.Test.cpp file that uses Google Testing framework. This test lets us test that the function correctly returns the number of candidates in the string that was passed into the constructor.  All Files when running tests are in the same working directory. |  |
| **Automated: yes\_\_x\_ no \_\_\_ using Google Test** |  |
| **Results: Pass \_\_\_x\_\_ Fail\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  Instantiation of two Party objects testing1 and testing2 with the following information passed into the constructor for each object:  (1) "Candidate A, Candidate B, Candidate C", "Party A"  (2) "A, B, C, D, E, G", "Testing" | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Called getCadidateNum() on testing1 object | Based on data passed into constructor for cadidateInfo: “Candidate A, Candidate B, Candidate C", | Integer value of 3 | Integer value of 3 | Returned what was expected and was verified with google test. |
| 2 | called getCadidateNum() on testing2 object | Based on data passed into constructor for cadidateInfo: “A, B, C, D, E, G “ | Integer return value of 6 | Integer return value of 6 | Returned what was expected and was verified with google test. |

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

The getter works as expected and the two Party object correctly can provide how many candidates they have based on the information passed when it was created.