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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\_03** | **Name(s) of Testers: Claire Maurus** |
| **Test Description:** Using google test in PartyTest.cpp to test the returned string of getCadidateName(int index) from the Party.cpp/.h class files.  When running this test all files are in the same working directory. |  |
| **Automated: yes\_\_x\_ no \_\_\_ Using Google Test** |  |
| **Results: Pass \_\_\_\_\_ Fail\_\_\_\_x\_\_\_\_** | Failed in that the expected return strings of index >0 have an space that I did not expect to be there. |
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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 |  |  |  |  |  |
| 2 | For testing1 object ran getCadidateName() three times to check each name in the candidate list | Passed in 0,1,2 to getCadidateName() | From input of 0:”Candidate A”  From input of 1:”Candidate B”  From input of 2:”Candidate C” | From input of 0:”Candidate A”  From input of 1:” Candidate B”  From input of 2:” Candidate C” | There was a space before Candidate B and Candidate C that was not in the expected Results. This equality check was done through the use of google test |
| 3 | For testing2 object ran getCadidateName() 6 times to check each name in the candidate list | Passed in 0 through 5 to getCadidateName() | From input of 0:”A”  From input of 1:”B”  From input of 2:”C”  From input of 3:”D”  From input of 4:”E”  From input of 5:”G” | From input of 0:”A”  From input of 1:” B”  From input of 2:” C”  From input of 3:” D”  From input of 4:” E”  From input of 5:” G” | There was a space before the letters B,C,D,E and G in the returned strings, checked automatically by google test. |
| 4 | Check out of Bounds index ranges on testing1 | Passed -1, -7 and 3 to getCadidateName() separately | From input -1: "Out of Candidates"  From input -7: "Out of Candidates"  From input: 3: "Out of Candidates" | From input -1: "Out of Candidates"  From input -7: "Out of Candidates"  From input: 3: "Out of Candidates" | Actual Results Match the expected |

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

The two Party Objects have candidate names saved that can be accessed but after the first name there is an additional space before the name returned when getCadidateName() is called.