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| **Project Name: Project 1: Voting System** | **Team#** 4 |
| **Test Stage: Unit** x **System** __ | **Test Date:** 3/24/22 |
| **Test Case ID#:** Party_getNumVotes_1 | **Name(s) of Testers:** Charlie Nazarian, Haneesha Kella |
| **Test Description:**<br>Testing the getNumVotes() function from the Party class. Incrementing the candidate's numVotes before they are added to the party | |
| **Automated: yes** x **no** ___ | **Indicate where are you storing the tests (what file) and the name of the method/functions being used.**<br>Tests are stored in PartyTest.cpp. Function being tested is getNumVotes() |
| **Results: Pass** x **Fail**_____ | |
| | |
| **Preconditions for Test:** Party.h and Candidate.h are included in the file | |

| Step # | Test Step Description | Test Data | Expected Result | Actual Result | Notes |
|---|---|---|---|---|---|
| 1 | Create Party Object with Candidate vector and string input | Party Democrat(democrats, "Democratic") | – | – | Let the vector "democrats" contain Candidate objects "Obama" and "Biden", each with numVotes = 2 |
| 2 | Compare actual numVotes with expected numVotes | Democrat.getNumVotes() | Expected numVotes: 4 | Actual numVotes: 4 | |
| 3 | | | | | |
| 4 | | | | | |
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**Post condition(s) for Test:**

The numVotes of the Party object is equal to the sum of the numVotes of all the candidates

Project Name: **The project #, name of your system, and the team#**
Test Stage: **Indicate whether it is a unit test or a system test.**
Test Date: **The date the test was performed.**
Test Case ID#: **A unique ID is required. Decide on a naming convention and use numbering. Example: Ballot_Shuffle_1**
Name(s) of Testers: **List the names of anyone involved in running this test case.**
Test Description: **Describe briefly the test objective.**
Automated: **Indicate if the test is completely automated or being checked manually. (If you have methods running the tests and checking results, select "yes". If you are manually checking results, indicate manual by selecting the "no.")**
**Results:** Indicate if the test passed or failed.
**Step #:** You will be listing the test steps in order. This number is the step number in the process.
**Test Step Description:** Details of the test step.
**Test Data:** What the test data will be for this step. Be clear on what the input data will be. If using a specific file, be clear on the name.
**Expected Result:** What result are you expecting from the program component or system.
**Actual Result:** What result were returned based on the test.
**Post condition for Test:** What will be true after the test has been run? Has the state of the system changed in any way?
**Notes:** Comments and notes for you and your team members.