| Project Name: Project 1: Voting System | Team#4 |
|---|---|
| Test Stage: Unit _X_ System __ | Test Date: 3/23/2022 |
| Test Case ID#: Party_addCandidate_1 | Name(s) of Testers: Charlie Nazarian, Haneesha Kella |
| **Test Description:** Testing the addCandidate method in the Party class | |
| **Automated: yes___ no _X_** | **Indicate where are you storing the tests (what file) and the name of the method/functions being used.** Tests are stored in PartyTest.cpp. The function being tested is addCandidate(Candidate c) |
| **Results: Pass ___X___ Fail_____** | |
| | |
| **Preconditions for Test:** Party.h and Candidate.h are included. The input parameter is of type Candidate | |

| Step # | Test Step Description | Test Data | Expected Result | Actual Result | Notes |
|---|---|---|---|---|---|
| 1 | Create Party Object with empty Candidate vector | Party Democratic("Democratic") | -- | -- | |
| 2 | Create Candidate Object "Obama" | Candidate Obama("Obama") | -- | -- | |
| 3 | Add candidate Obama to the Democratic party | Democratic.addCandidate(Obama) | Democratic candidates vector contains Obama Candidate | Democratic candidates vector contains Obama Candidate | |
| 4 | Check to see if the candidate vector size is correct | Democratic.getCandidates().size() | Expected size = 1 | Actual size = 1 | |
| | | | | | |
| | | | | | |

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

The desired candidate to be added gets added to the party's candidate vector

*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.*