Project Name: Project 1: Voting System	**Team#4**
Test Stage: Unit x **System** __	**Test Date: 3/23/2022**
Test Case ID#: Election_addWinner_1	**Name(s) of Testers:** Charlie Nazarian, Haneesha Kella
Test Description: Testing addWinner method in the Election class	
Automated: yes x **no** ___	**Indicate where are you storing the tests (what file) and the name of the method/functions being used.** Tests are stored in ElectionTest.cpp. The function being tested is addWinner(Candidate c).
Results: Pass x **Fail**_____	
Preconditions for Test: Election.h and Candidate.h are included. A legitimate input file is provided. The parameter passed to addWinner() is of type Candidate.	

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1	Create Election Object with an input file	Election test("sampleFile.txt")	–	–	Let "sampleFile.txt" be a legitimate file
2	Create Candidates to add to the queue	Candidate Obama("Obama") Candidate Biden("Biden")	–	–	
3	Call addWinner()	test.addWinner(Obama) test.addWinner(Biden)	–	–	
4	Check that the length is as expected	EXPECT_EQ(test.getWinners().size(),2);	True	True	

Post condition(s) for Test:

The winners queue in the election object is updated to include the added candidate

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.