Project Name: Project 1: Voting System **Team# 25**

Test Stage: Unit _x_ System __ **Test Date: 3/25**

Test Case ID#: IRTest.countVote5
Test Description: test for count vote for IR
Can be stored using >> ../testing/ testinglog.txt or will be terminal output

Name(s) of Testers: Josh, Mo, Caden, Roman

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: yes_x__ no ___

Results: Pass __x___ Fail_____

Preconditions for Test: New Object(s)

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1	Init IR and candidates	n.a	n.a	n.a	n.a
2	Set number of ballots	10	Void	Void	Sets number of ballots for elec
3	Set number of candidates	4	Void	Void	Sets number of candidates for elec
4	Set votes case	"1,2,3,4", "1,3,2,", "1,,,2", "1,,2,", ",,1,2", "2,,,1", ",1,,2", ",1,,2", "2,,1,", ",2,,1"	Void	Void	Sets the vote cases for elec
5	Loop through and set Candidates	n.a	Each candidate gets added to elec	Each candidate gets added to elec	The first for loop is to get and set the Candidate to elec
6	Loop through vote cases and create ballots	Votes_case1[i]	Filled ballots	Filled ballots	Creates and fills ballots based on input from votes case
7	Set expected vote counts 1	{{4,2,2,2},{4,0,2,4},{5,0,0,5}}	Void	Void	Sets the expected vote count based on votes case
8	Set expected vote counts 2	{{4,2,2,2},{5,2,0,3},{5,0,0,5}}	Void	Void	Sets the expected vote count based on votes case
9	Set expected vote counts 3	{{4,2,2,2},{5,3,2,0},{6,3,0,0}}	Void	void	Sets the expected vote count based on votes case

10	Set actual vote counts	getTransferVotes()	Count of votes_case[]	Count of votes_case[]	Sets the number of votes existing in elec
11	Expect EQ1	Actual, Expected1	True	True	True if passes
12	Expect EQ2	Actual, Expected2	True	True	True if passes
13	Expect EQ3	Actual, Expected3	True	True	True if passes
14	Expect EQ4	(ir->getWinner(),ir->getCandidateList()[0])	True	True	True if passes
15	Expect EQ5	(ir->getWinner(),ir->getCandidateList()[3])	True	True	True if passes
	Delete election	Ir	Delete ir	Delete ir	Deletes the election once done

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Post condition(s) for Test:

None

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.