Project Name:	Project 1:	Voting System	
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Test Date: 3/26

Test Case ID#: IR_run

Name(s) of Testers: Theodore + Phuong

Test Description:

Run the IR file from Election.java(main) and be able to produce an audit file (audit)

Test Stage: Unit System X

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

Team# 3

Election.java

IR.java

 $IR_Ballot.java$

IR_Candidate.java

IR_Audit_File.java
IR_ElectionTest.java

IRtest.csv

Automated: yes no X

Results: Pass X Fail

Preconditions for Test:

the IRtest.csv should contain information for IR election.

Step	Test Step	Test	Expected	Actual	
#	Description	Data	Result	Result	Notes
1					
2	Run the Election.java	n/a	ask user prompt in file path	ask user prompt in the file path	
3	prompt in file path	n/a	run the program and output audit file	run the program and output audit file	
	Alternative: if no file detected, prompt the user to enter the file again. Or type in "Exist" to exist the program.		successfully produced an audit file.	successfully produced an audit file	
	F				

An audit file will be produce contain all information for IR election.

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: testInitialData Test Description:	Name(s) of Testers: Theodore + Phuong
test the initial data is used in the constructor to see if it initial the data correctly	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used.
	IR.java IR Candidate.java
	IR_Ballot.java
	IRtest.csv
	IR_ElectionTest.java
Automated: yes X no	
Results: Pass X Fail	

Preconditions for Test:	
obtain the IRtest.csv and path to the file	

Step # 1	Test Step Description	Test Data	1	Actual Result	Notes
1 2	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path			success on obtain the file path and put into path.	Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: testpopulateData Test Description:	Name(s) of Testers: Theodore + Phuong
test the populate data is used in the constructor to see if it populated the data correctly	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java
Automated: yes X no	
Results: Pass X Fail	
Preconditions for Test:	

Step # 1	Test Step Description	Test Data	_ <u> </u>	Actual Result	Notes
2	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path				Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

obtain the IRtest.csv and path to the file

Date: 3/26
e(s) of Testers: Theodore + Phuong
cate where are you storing the tests (what file) and the e of the method/functions being used. a andidate.java allot.java .csv ectionTest.java

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
2	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path				Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Post condition(s) for Test:

Preconditions for Test:

obtain the IRtest.csv and path to the file

The test should pass.

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: tesgetNumCandidates Test Description:	Name(s) of Testers: Theodore + Phuong
test the numCandidate data to see if it populated the data correctly	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used.
	IR.java IR Candidate.java
	IR_Ballot.java
	IRtest.csv IR_ElectionTest.java
Automated: yes X no	
Results: Pass X Fail	

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
ויי	check to see if IRtest.csv is available			,	different path name as user choose where to store the file
3	put the path into string path		•		Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Preconditions for Test:

obtain the IRtest.csv and path to the file

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: testgetNumBallots Test Description:	Name(s) of Testers: Theodore + Phuong
test the ballots data is used in the constructor to see if it populated the data correctly	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java

Automated: yes_X_ no
Results: Pass X Fail
Preconditions for Test:
obtain the IRtest.csv and path to the file

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
2	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path				Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: testUpdateCurrentVote Test Description:	Name(s) of Testers: Theodore + Phuong
test the currentVote data is used to see if it populated the data correctly	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java
Automated: yes X no	
Results: Pass X Fail	

Preconditions for Test:		
obtain the IRtest.csv and path to the file		

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
2	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path				Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: makeTestFile Test Description:	Name(s) of Testers: Theodore + Phuong
test to see if it can generate the ballots test file.	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java IR_Make_Test_File.java
Automated: yes_X no	
Results: Pass X Fail	

Step # 1	Test Step Description	Test Data	I	Actual Result	Notes
2	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path				Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Preconditions for Test:

obtain the IRtest.csv and path to the file

Project Name:	Project 1:	Voting System	Tear	m# 3

Test Stage: Unit _X_ System __ Test Date: 3/26

Test Case ID#: testSetElectionStatus Name(s) of Testers: Theodore + Phuong Test Description:

test to see if it can generate and set the correct winning candidate.

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

IR.java
IR_Candidate.java
IR_Ballot.java
IRtest.csv
IR_ElectionTest.java

Automated:	yes_X	no	
Results: Pas	ss X	Fail	

Preconditions for Test:
obtain the IRtest.csv and path to the file

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1 7	check to see if IRtest.csv is available				different path name as user choose where to store the file
3	put the path into string path				Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Post condition(s) for Test:

The test should pass.

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: testmakeLoser Test Description:	Name(s) of Testers: Theodore + Phuong
test to see if we can correctly making a loser for each round of election.	`the
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java
Automated: yes X no	
Results: Pass X Fail	

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
2	check to see if IRtest.csv is available	1	l .		different path name as user choose where to store the file
3	put the path into string path		l		Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Post condition(s) for Test:

Preconditions for Test:

obtain the IRtest.csv and path to the file

The test should pass.

Project Name: Project 1: Voting System	Team# 3
Test Stage: Unit _X_ System	Test Date: 3/26
Test Case ID#: testCoinToss Test Description:	Name(s) of Testers: Theodore + Phuong
test the winning candidate is randomly picked when there is a tie in the election using coinToss().	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java
Automated: yes X no	
Results: Pass X (half of the time) Fail	

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
2	check to see if IRtest.csv is available	1	IRtest.csv should be in the same directory as IR files.		different path name as user choose where to store the file
3	put the path into string path		l		Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Preconditions for Test:

obtain the IRtest.csv and path to the file

Post condition(s) for Test:
The test should pass half of the time as it is 50/50.

Project Name: Project 1: Voting System	Team# 3		
Test Stage: Unit _X_ System	Test Date: 3/26		
Test Case ID#: testPoolSelect Test Description:	Name(s) of Testers: Theodore + Phuong		
test the winning candidate is randomly picked when there is a tie in the election using poolSelection().			
	Indicate where are you storing the tests (what file) and the name of the method/functions being used. IR.java IR_Candidate.java IR_Ballot.java IRtest.csv IR_ElectionTest.java		
Automated: yes_Xno			
Results: Pass X (third of the time) Fail			
Preconditions for Test:			

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
ויי	check to see if IRtest.csv is available			,	different path name as user choose where to store the file
3	put the path into string path		•		Should be at the beginning of the ElectionTestIR.java
4	run the test		pass	pass	

Post condition(s) for Test:

obtain the IRtest.csv and path to the file

The test should pass third of the time as there is at least 3 candidates in tie.