

Project Name: Project 2: Voting System

Test Date: 4/30/2023

Test Stage: Unit X

System_

Tester Name(s): Nabeel Azam

Test Case ID# 01

Test Description:

Tests for IRAudit

Test location(Indicate where you are storing test files):

IRAuditTest.java

Automated: Yes

Results: Pass

Preconditions for Test:

IR Election is ran

Step#	Test Step Description	Expected Result	Actual Result	Notes
1	testProduceAuditCPL()	String expectedContent	String actualContent	Strings are equal
2	testProduceMediaCPL()	String expectedContent	String actualContent	Strings are equal
3	testWriteBallotsToFile()	String expectedContent	String actualContent	Strings are equal

Project Name: Project 2: Voting System

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Tester Name(s): Nabeel Azam

Test Case ID# 02

Test Description:

Tests for IRElection

Test location(Indicate where you are storing test files):

IRElectionTest.java

Automated: Yes

Results: Pass

Preconditions for Test:

IR Election is selected

Step#	Test Step Description	Expected Result	Actual Result	Notes
1	testElectionIR()	Alice	Alice	Strings are equal
2	testTieBreaker()	Jill or Jack	Jill or Jack	Strings are equal
3	testCreateCandidateBallots()	Int expected	Int result	Ints are equal
4	testSetVotes()	votes.get(i)	candidate.getRanks()	Results are equal
5	testVoteCounter()	Int expected	Int result	Ints are equal

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Tester Name(s): Nabeel Azam

Test Case ID# 03

Test Description:

Tests for CPL Audit

Test location(Indicate where you are storing test files):

CPLAuditTest.java

Automated: Yes

Results: Pass

Preconditions for Test:

CPL Election is ran

Step#	Test Step Description	Expected Result	Actual Result	Notes
1	testProduceAuditIR()	String expectedContent	String actualContent	Strings are equal
2	testProduceMediaCPL()	String expectedContent	String actualContent	Strings are equal

Project Name: Project 2: Voting System

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Tester Name(s): Nabeel Azam

Test Case ID# 04

Test Description:

Tests for CPL Election

Test location(Indicate where you are storing test files):

CPLElectionTest.java

Automated: Yes

Results: Pass

Preconditions for Test:

CPL Election is chosen

Step#	Test Step Description	Expected Result	Actual Result	Notes
1	testTotalSeats()	20	20	Ints are equal
2	testWinner()	Independent	Independent	Strings are equal
3	testPartyVotes()	Party Votes	Test results	Results are equal
4	testPartySeats()	Party Seats	Test results	Results are equal
5	testPartyRemainders()	Remainders	Test results	Results are equal
6	testQuota()	32	32	Ints are equal
7	testTotalVotes()	647	647	Ints are equal
8	testWinnerTieDecider()	1	1	Ints are equal

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Tester Name(s): Nabeel Azam

Test Case ID# 05

Test Description:

Tests for POElection

Test location(Indicate where you are storing test files):

POElectionTest.java

Automated: Yes

Results: Pass

Preconditions for Test:

PO Election is chosen

Step#	Test Step Description	Expected Result	Actual Result	Notes
1	testElectionPO()	Expected1, expected 2, expected 3	Actual 1, actual 2, actual 3	All are equal
2	testCreateCandidateBallots()	Expected Ballots	Actual Ballots	Ballots are equal
3	testVoteCounter()	1	votes	Counts are equal