

Test 1: PBI 9, OPL Election Bug Checking (Manual Tests)
Team Member Responsible: Samuel Wong
Inputs: OPLTest4.csv, this makes two parties tie
Tests: Test for inputs where the input file makes two parties tie, but there isn't enough seats to be distributed for both of them
Outputs: After multiple runs with the same test file, the output should show that around half the time party D wins 2 seats and R 1 and half the time party R wins 2 seats and D 1
Passed
4/25/2021

Test 2: PBI 9, OPL Election Bug Checking (Manual Tests)
Team Member Responsible: Samuel Wong
Inputs: OPLTest3.csv
Tests: Test for inputs where the input file makes a party win more seats than candidates they have to fill them
Outputs: Audit file showing party D won 2 seats and party R won 2 seats
Passed
4/25/2021

Test 3: PBI 8, Loading in PO Ballots  testPOConstructor() in PO_Ballot_Test.java
Team Member Responsible: Sree Pemma
Inputs: New candidate object with name "Test"
Tests: Tests the PO_Ballot constructor by passing in the candidate object that was created and an ID number of 1.

Outputs: No output, just assertTrue statements
Passed
4/27/2021

<p>Test 4: PBI 8, Loading in PO Ballots</p> <p>testGetSetCandidate() in PO_Ballot_Test.java</p>
Team Member Responsible: Sree Pemma
Inputs: Two new candidate objects with names "Test" and "Test2"
<p>Tests:</p> <p>Tests the PO_Ballot get and set candidate methods by passing in a new candidate object and calling on getter method to test it. Also calls on the setter method with the second candidate method to test it.</p>
Outputs: No output, just assertEquals statements
Passed
4/27/2021

<p>Test 5: PBI 8, Loading in PO Ballots</p> <p>testPOElectionConstructor() in PO_Ballots_Load_Test.java</p>
Team Member Responsible: Sree Pemma
Inputs: POTest1.csv
<p>Tests:</p> <p>Tests the PO_Election constructor method</p>
<p>Outputs: No output, just assertTrue statements when successful in reading the input file. Failure in reading the input file throws IO Exception.</p>
Passed
4/27/2021

Test 6: PBI 8, Loading in PO Ballots testRunElectionOPLValid() in PO_Ballots_Load_Test.java
Team Member Responsible: Sree Pemma
Inputs: PCTest1.csv
Tests: Tests the run Election function which doesn't actually run the election but handles calling the processBallots() function which in turn calls the readCandidates() function. These two functions populate the Candidate and Parties array lists and the Ballot array list.
Outputs: No output, just assertEquals statements when successful in reading the input file. Failure in reading the input file throws IO Exception.
Passed
4/27/2021

Test 7: PBI 4, Invalidation of IR ballots (IR_Election_Test.java) Function: testRunElectionIRInvalidationTestInput()
Team Member Responsible: Andy Chen
Inputs: IRTTestInv1.csv
Tests: Tests for running an IR Election where there are ballots where less than half the candidates are ranked.
Outputs: No output, just assertEquals statements when successful in running the election with the proper expected output, the winning candidate.
Passed
4/28/2021

Test 8: PBI 1, Testing for Multiple CSV files for IR Election(System testing as well for multiple files since we are running the entire program)  File: mainClassTest.java Function: testMultipleCSVIR()
Team Member Responsible: Sai Tallapragada
Inputs: IRTTest100.csv, IRTTest2.csv

Tests: Tests whether or not our program is able to take in multiple csv files for the IR election and is able to run the IR election.
Outputs: It checks for the correct output of whether Rosen(D) has won the election or not.
Passed
4/28/2021

Test 9: PBI 1, Testing for Multiple CSV files for OPL Election(System testing as well for multiple files since we are running the entire program)  File: mainClassTest.java Function: testMultipleCSVOPL()
Team Member Responsible: Sai Tallapragada
Inputs: OPLTest3.csv, OPLTest5.csv
Tests: Tests whether or not our program is able to take in multiple csv files for the OPL election and is able to run the IR election.
Outputs: It checks for whether the right number of ballots were counted when we enter multiple csv files for the OPL election. The correct number is 16.
Passed
4/28/2021

Test 10: PBI 1, Testing for Multiple CSV files for PO Election(System testing as well for multiple files since we are running the entire program)  File: mainClassTest.java Function: testMultipleCSVPO()
Team Member Responsible: Sai Tallapragada
Inputs: POTest1.csv, POTest2a.csv

Tests:

Tests whether or not our program is able to take in multiple csv files for the PO election and is able to run the PO election.

Outputs: It checks for whether the right number of ballots were counted when we enter multiple csv files for the PO election. The correct number is 18.

Passed

4/28/2021