

Handling of Multiple Files

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Handling Multiple Files - As an election official I want to be able to handle ballots from different locations so that all the ballots are counted properly. Refactor the program to be able to take in multiple files Test_01Code1
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. A string representing file names.that are separated by a vertical bar
Tests:	1. Manual test to check that the system can be built and run without any errors
Outputs:	System will run normally or will throw an error message "Election file not found" indicating system cannot find at least one file.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Handling Multiple Files - As an election official I want to be able to handle ballots from different locations so that all the ballots are counted properly. Change the audit and media files to work with multiple files Test_01Code2
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. A string representing file names.that are separated by a vertical bar
Tests:	1. Manual test to check that the audit and media files are output correctly by running the program with multiple files.
Outputs:	Audit TXT file and media report TXT file.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Handling Multiple Files - As an election official I want to be able to handle ballots from different locations so that all the ballots are counted properly. Changing of the UI to handle multiple files Test_01Code3
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. A string representing file names.that are separated by a vertical bar
Tests:	1. Manual test to check that the user interface appears as desired.
Outputs:	Text printed to the screen.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Handling Multiple Files - As an election official I want to be able to handle ballots from different locations so that all the ballots are counted properly. Unit Testing Test_01Unit
Team Member(s) Responsible:	Roshina, Linh
Inputs:	1. A string representing file names.that are separated by a vertical bar
Tests:	1. Unit test to check if system can break down into an array of filenames - SystemTest.testMultipleElection().
Outputs:	Test passes or will throw an error message "Election file not found" in case the election file does not exist.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	<p>Handling Multiple Files - As an election official I want to be able to handle ballots from different locations so that all the ballots are counted properly.</p> <p>System Testing</p> <p>Test_01Sys</p>
Team Member(s) Responsible:	Roshina, Linh
Inputs:	<ol style="list-style-type: none"> 1. An array of strings representing file names. 2. A boolean value representing the testing mode for deciding whether the tests should invalidate the ballots.
Tests:	<ol style="list-style-type: none"> 1. System test if the system can handle 2 Instant Runoff election test files - SystemTest.test2IRFiles(). 2. System test if the system can handle 2 Open Party List election test files - SystemTest.test2OPLFiles(). 3. System test if the system can handle 1 Instant Runoff election and 1 Open Party List test files - SystemTest.test2IR_OPLFiles(). 4. System test if the system can handle 3 election test files - SystemTest.test3Files(). 5. System test if the system can handle 3 election test files with invalid ballots mode - SystemTest.test3FilesWithInvalidateBallots().
Outputs:	"Test passed" or "AssertionFailedError" (indicating the output information about voting method, winner(s) of the election, number of ballot cast) didn't match with the expected result.
Passed or Failed	Passed
Date	05/01/2021

Invalidation of Ballots

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Invalidation of Ballots - As an election official, I want to invalidate the ballots in IRV. So that I can ensure the precision, fairness, and security of the elections. Determine which ballots are to be invalidated. Test_02Code1
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. Ballots from an instant runoff election
Tests:	1. Unit test to check if a ballot can be invalidated - BallotTest.testGetterSetterValid(). 2. Unit test to check if the number of invalid ballots is correct for an election with 1 invalid ballot - InstantRunoffTest.testUpdateBallotValidity(). 3. Unit test to check if the number of invalid ballots is correct for an election with no invalid ballots - InstantRunoffTest.testUpdateBallotValidityNone().
Outputs:	Tests pass or will throw an AssertionError in case the test has failed.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	<p>Invalidation of Ballots - As an election official, I want to invalidate the ballots in IRV. So that I can ensure the precision, fairness, and security of the elections.</p> <p>Remove invalid ballots from the election</p> <p>Test_02Code2</p>
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	<p>For system tests:</p> <ol style="list-style-type: none"> 1. A string representing a file name 2. A Boolean value representing the testing mode for deciding whether the tests should invalidate the ballots.
Tests:	<ol style="list-style-type: none"> 1. Unit test to check if a ballot can be invalidated - BallotTest.testGetterSetterValid(). 2. Unit test to check if 2/4 and 3/4 ranked candidates are calculated correctly - BallotTest.testGetNumRankedCandidates(). 3. Unit test to check if the number of invalid ballots is correct for an election with 1 invalid ballot - InstantRunoffTest.testUpdateBallotValidity(). 4. Unit test to check if the number of invalid ballots is correct for an election with no invalid ballots - InstantRunoffTest.testUpdateBallotValidityNone(). 5. System test to check if the software invalidates ballots to get the correct winner - SystemTest.testIR_invalidballots(). 6. System test if the system can handle 3 election test files with invalid ballots mode - SystemTest.test3FilesWithInvalidateBallots().
Outputs:	Tests pass or will throw an AssertionError in case the test has failed.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Invalidation of Ballots - As an election official, I want to invalidate the ballots in IRV. So that I can ensure the precision, fairness, and security of the elections. Unit Testing Test_02Unit
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. Ballots from an instant runoff election
Tests:	1. Unit test to check if a ballot can be invalidated - BallotTest.testGetterSetterValid(). 2. Unit test to check if 2/4 and 3/4 ranked candidates are calculated correctly - BallotTest.testGetNumRankedCandidates(). 3. Unit test to check if the number of invalid ballots is correct for an election with 1 invalid ballot - InstantRunoffTest.testUpdateBallotValidity(). 4. Unit test to check if the number of invalid ballots is correct for an election with no invalid ballots - InstantRunoffTest.testUpdateBallotValidityNone().
Outputs:	Tests pass or will throw an AssertionError in case the test has failed.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Invalidation of Ballots - As an election official, I want to invalidate the ballots in IRV. So that I can ensure the precision, fairness, and security of the elections. System Testing Test_02Sys
Team Member(s) Responsible:	Roshina, Linh
Inputs:	1.A string representing a file name 2. A Boolean value representing the testing method to decide if the tests should be considered as valid or invalid.
Tests:	1. System test to test if the system works with invalidated ballots - SystemTest.testIR_invalidballots().
Outputs:	Tests pass or will throw an AssertionError in case the test has failed.
Passed or Failed	Passed
Date	05/01/2021

Process Popularity Only File

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Process Popularity Only File - As an election official, I want to be able to process the PO election ballot so that we can see the results after the election. Handling of CSV file with popularity only election information Test_03Code1
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. A file name for a PO CSV election file.
Tests:	1. Unit test to prepare and take in the ballots from the CSV election file - PopularityOnlyTest.testPrepareData(). 2. Unit test to run the election and ensure no candidates get removed from the election - PopularityOnlyTest.testRunElection().
Outputs:	Popularity only election information will be displayed on the screen.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Process Popularity Only File - As an election official, I want to be able to process the PO election ballot so that we can see the results after the election. Display popularity only results on screen. Test_03Code2
Team Member(s) Responsible:	Roshina, Linh, Thomas
Inputs:	1. A file name for a PO CSV election file.
Tests:	1. A manual test will be done by running the software on a PO CSV election file.
Outputs:	Popularity only election information will be displayed on the screen.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Process Popularity Only File - As an election official, I want to be able to process the PO election ballot so that we can see the results after the election. Unit Testing Test_03Unit
Team Member(s) Responsible:	Roshina, Linh
Inputs:	1. A file name for a PO CSV election file.
Tests:	1. Unit test to prepare and take in the ballots from the CSV election file - PopularityOnlyTest.testPrepareData(). 2. Unit test to run the election and ensure no candidates get removed from the election - PopularityOnlyTest.testRunElection(). 3. Unit test for getting the number of invalid ballots, which should always be 0 - PopularityOnlyTest.testGetNumInvalidBallots(). 4. Unit test to ensure the list of candidates is correct - PopularityOnlyTest.testGetCandidateList().
Outputs:	Tests pass or will throw an AssertionError in case the test has failed.
Passed or Failed	Passed
Date	05/01/2021

The PBI, the Task Description(from Sprint Log) with Unique Testing Number:	Process Popularity only file - As an election official, I want to be able to process the PO election ballot So that we can see the results after the election. System Testing Test_03Sys
Team Member(s) Responsible:	Roshina, Linh
Inputs:	1. A file name for a PO CSV election file
Tests:	1. A system test to test if it is able to display the correct information from the file that was processed
Outputs:	Tests pass or will throw an AssertionError in case the test has failed.
Passed or Failed	Passed
Date	05/01/2021