The PBI: **Bring in multiple election files** Task description: **Create Unit Tests for confirmation of function** Unique testing number: **001**
Team Member(s) Responsible: Hady Kotifani
Inputs: filename.txt
Tests: that multiple files can be properly brought in
Outputs: filename.txt
Passed or Failed
Date: 04/17/2023

The PBI: **Bring in multiple election files** Task description: **Create Unit Tests for confirmation of function** Unique testing number: **002**
Team Member(s) Responsible: Hady Kotifani
Inputs: filename1.txt filename2.txt
Tests: that multiple files can be properly brought in
Outputs:
Passed or Failed
Date: 04/17/2023

The PBI: **Bring in multiple election files** Task description: **Create Unit Tests for confirmation of function** Unique testing number: **003**
Team Member(s) Responsible: Hady Kotifani
Inputs: filename1.txt filename2.txt filename3.txt
Tests: that multiple files can be properly brought in
Outputs: filename1.txt filename2.txt filename3.txt
Passed or Failed

Date: 04/17/2023

The PBI: **Process In Multiple CPL Headers Correctly**
Task description: **Modify Election class to hold an array of Scanner objects**
Unique testing number: **004**

Team Member(s) Responsible: Evan Bagwell

Inputs:
      CPL_Standard.csv
      CPL_Standrad.csv CPL_Standard2.csv

Tests:
      Check that the appropriate Scanner objects are initialized and are pointing to their respective CPL_Election files
      Check getters and setters
      Bounds check on Scanner array

Outputs:
      True if tests pass, false otherwise

Passed or Failed

Date: 04/18/2023

The PBI: **Process In Multiple CPL Headers Correctly**
Task description: **Read header information from one CPL_Election file**
Unique testing number: **005**

Team Member(s) Responsible: Evan Bagwell

Inputs:
      CPL_Standard.csv
      CPL_Standrad.csv CPL_Standard2.csv

Tests:
      Test that the correct header information is produced in the audit file

Outputs:
      Header information is displayed on the audit file

Passed or Failed

Date: 04/18/2023

The PBI: **Process ballots from multiple CPL_Election files** Task description: **Create an array of Scanner objects in Main.java for CPL_Election** Unique testing number: **006**
Team Member(s) Responsible: Evan Bagwell

Inputs:
      CPL_Standard.csv
      CPL_Standrad.csv CPL_Standard2.csv

Tests: Test that the Scanner objects have been created successfully and point to their respective files when passed to CPL_Election
Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/18/2023

The PBI: **Process ballots from multiple CPL_Election files** Task description: **Iterate through multiple CPL_Election files to read in ballots** Unique testing number: **007**
Team Member(s) Responsible: Evan Bagwell

Inputs:
      CPL_Standard.csv
      CPL_Standrad.csv CPL_Standard2.csv

Tests:
      Check that the total ballots is correct
      Check that the total ballots in each file is correct
      Check that all ballots have been properly initialized in the initial ballots array

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/18/2023

The PBI: **Process ballots from multiple IR_Election files** Task description: **Iterate through multiple IR_Election files to read in ballots** Unique testing number: **008**
Team Member(s) Responsible: Tyler Grimm, Hady Kotifani

Inputs:
      IR_multiFile_header1.csv
      IR_multiFile_header2.csv

Tests:
      Check that the total ballots is correct
      Check that header info, election type, candidate and party names correct
      Check that the total ballots in each file is correct
      Check that all ballots have been properly initialized in the initial ballots array

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/23/2023

The PBI: **Process ballots from multiple IR_Election files** Task description: **Iterate through multiple IR_Election files to read in ballots** Unique testing number: **009**
Team Member(s) Responsible: Tyler Grimm, Hady Kotifani

Inputs:
      DoubleDigitCandidates.csv
      DoubleDigitCandidates.csv

Tests:
      Check that the total ballots is correct
      Check that the total ballots in each file is correct
      Check that all ballots have been properly initialized in the initial ballots array

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/23/2023

The PBI: **Create a Table displaying progression of IR_Election** Task description: **Be able to get and set internal IR_Table attributes** Unique testing number: **010**
Team Member(s) Responsible: Evan Bagwell
Inputs: None

Tests:
      Check that setters work properly
      Check that getters work properly

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/25/2023

The PBI: **Create a Table displaying progression of IR_Election** Task description: **Table initializes with correct format and data** Unique testing number: **011**
Team Member(s) Responsible: Evan Bagwell
Inputs: None

Tests:
      Check that an IR_Table generates
      Check that Candidate, Party, Exhausted, Total headers generate properly
      Check that Candidates and Parties are listed

Outputs: GUI table that is manually checked for accuracy
Passed or Failed
Date: 04/25/2023

The PBI: **Create a Table displaying progression of IR_Election** Task description: **IR_Election round is properly added to the table** Unique testing number: **012**
Team Member(s) Responsible: Evan Bagwell

Inputs: 　　　None
Tests: 　　　Check that an IR_Table generates 　　　Check that Candidate, Party, Exhausted, Total headers generate properly 　　　Check that Candidates and Parties are listed 　　　Check that vote counts are added for the first round of an IR_Election 　　　Check that the total votes are added to the table
Outputs: 　　　GUI table that is manually checked for accuracy
Passed or Failed
Date: 04/25/2023

The PBI: **Process a PO Election File Header** Task description: **Create Parser for Election File Header** Unique testing number: **013**
Team Member(s) Responsible: Andrew Guerra
Inputs: 　　　None
Tests: 　　　Check that a PO_Election file exists 　　　Check that the number of ballots in a PO_Election file is correct
Outputs: 　　　True if tests pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Process Multiple PO Election File Headers** Task description: **Read One Header From a Set of Files** Unique testing number: **014**
Team Member(s) Responsible: Andrew Guerra
Inputs: 　　　None
Tests:

Check that a PO_Election file exists Check that the number of ballots in a PO_Election file is correct indicating the first file from a list of files selected
Outputs: True if tests pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Run a PO Election** Task description: **System tests for integration** Unique testing number: **015**
Team Member(s) Responsible: Andrew Guerra

Inputs:
      small-PO.csv
      large-PO.csv

Tests:
 	
      Checks for correct output for single and multi-file elections
      Checks handling of a large PO file

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Display stats of a PO Election** Task description: **Display election percentages to terminal** Unique testing number: **015**
Team Member(s) Responsible: Andrew Guerra
Inputs: small-CPL.csv
Tests: Checks that election output matches expected output

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Process Multiple IR_Election Headers Correctly** Task description: **Read One Header From Set of Files** Unique testing number: **017**
Team Member(s) Responsible: Andrew Guerra

Inputs:
      IR_multiFile_header1.csv
      IR_multiFile_header2.csv
      DoubleDigitCandidates.csv

Tests:
 	
      Checks that files exist and are able to be brought into an CPL_Election
      Checks that header information is read in correctly
      Checks that only one file is used to check for election information

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Process ballots from multiple IR_Election files** Task description: **Integrate With Rest of Election System** Unique testing number: **018**
Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani

Inputs:
      small-IR.csv
      small-IR.csv

Tests: Checks if audit file was created successfully

Checks that files exist and are able to be brought into an IR_Election Checks that header information is read in correctly Check that the total ballots in each file is correct
Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Process ballots from multiple CPL_Election files** Task description: **Integrate With Rest of Election System** Unique testing number: **019**
Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani

Inputs:
    small-CPL.csv
    small-CPL.csv

Tests:
 	
    Checks if audit file was created successfully
    Checks that files exist and are able to be brought into an CPL_Election
    Checks that header information is read in correctly
    Check that the total ballots in each file is correct

Outputs: True if test pass, false otherwise
Passed or Failed
Date: 04/28/2023

The PBI: **Process PO Ballot Election Header** Task description: **Ensure The header of the election is processed properly** Unique testing number: **020**
Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani
Inputs: small-PO.csv

Tests:
Manual check to see if the candidate names and party are extracted given the PO election csv format

Outputs:
Proper names and corresponding party printed to screen

Passed or Failed

Date: 04/28/2023

The PBI: **Process PO Ballot Election Ballots** Task description: **Ensure The Ballots of the election is processed properly** Unique testing number: **021**

Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani

Inputs:
small-PO.csv

Tests:
Manual check to see if the corresponding percentage of ballots go to their corresponding candidate

Outputs:
Proper percentages are printed to screen

Passed or Failed

Date: 04/28/2023

The PBI: **Process PO Ballot Election Header for more than one file** Task description: **Ensure The header of the election is processed properly** Unique testing number: **022**

Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani

Inputs:
small-PO.csv   small-PO.csv

Tests:
Manual check to see if the candidate names and party are extracted given the PO

election csv format and two of them
Outputs: Proper names and corresponding party printed to screen
Passed or Failed
Date: 04/28/2023

The PBI: **Process PO Ballot Election Ballots** Task description: **Ensure The Ballots of the election is processed properly** Unique testing number: **023**
Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani

Inputs:
      small-PO.csv
      small-PO.csv

Tests: Manual check to see if the corresponding percentage of ballots go to their corresponding candidate
Outputs: Proper percentages are printed to screen given more than one file indicating the candidates got their proper number of votes
Passed or Failed
Date: 04/28/2023

The PBI: **Process PO Ballot Election Ballots** Task description: **Ensure The Ballots of the election is processed properly** Unique testing number: **023**
Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani

Inputs:
      small-PO.csv
      small-PO.csv

Tests: Manual check to see if the corresponding percentage of ballots go to their corresponding candidate
Outputs:

Proper percentages are printed to screen given more than one file indicating the candidates got their proper number of votes
Passed or Failed
Date: 04/28/2023

The PBI: **Determine PO Election Winner Upon Tie Via Coin Toss** Task description: **Create Unit Test** Unique testing number: **024**
Team Member(s) Responsible: Andrew Guerra, Evan Bagwell, Hady Kotifani
Inputs: tie-PO.csv
Tests: Manual check to see if the winner is different and properly distributed for each run of the election in the event of a tie
Outputs: The winner of the election
Passed or Failed
Date: 04/30/2023