

The PBI, access PO ballot data, Task Description: Process data and store data Unique Testing Number: #POT001
Team Member Responsible: Moyan Zhou
Inputs: <ul style="list-style-type: none"> - Create ballots and store in the String array - Create individual candidate with their parties and store into the String array - Store the ballots and individual array in the PO object class - Add entire election file step by step then pass the execute_po()
Test: <ul style="list-style-type: none"> - Test PO data whether or not store into the PO object class - Test the getter, setter function whether or not work - Test the PO file data whether or not match/accuracy - Test target string passed by execute_po() whether or not match
Output: <ul style="list-style-type: none"> - Election type is PO, there are 6 candidates and 9 ballots in this test case - Target string has been stored! Successful access PO ballot data
Passed or Failed: <ul style="list-style-type: none"> - Pass
Date: 04/30/2021

The PBI, handling multiple files in the election, Task Description: ask user for multiple files and handle multiple files one after another Unique Testing Number: #MFS001
Team Member(s) Responsible: Akar Htut Kaung
Inputs: <ol style="list-style-type: none"> 1. Ballot file name 2. Indication of whether would like to add more file or not
Tests: <ol style="list-style-type: none"> 1. Test for handling multiple valid files 2. Test for handling multiple valid files along with invalid files 3. Test for handling multiple files where user change decision (i.e. user indicate to add more files but decided not to add additional files)
Outputs: The amount of times the given files were executed along with its voting algorithms.

Passed or Failed:

- Pass

Date: 4/28/2021

The PBI, remove Invalid Ballots for IRV,

Task Description: Remove invalid ballot to have more accuracy election results.

Unique Testing Number: RIB001

Team Member Responsible: Hao Wu

Inputs:

- Array of ballots which includes both of valid and invalid (length = 7) one invalid ballot
- the number of candidates is odd (length = 3)
- Array of ballots which includes both of valid and invalid (length = 7), two invalid ballots
- the number of candidates is odd (length = 4)

Test:

- test if the only one invalid ballot will be removed when number of candidates is odd if succeed, the number of ballots will be 6
- test if the only one invalid ballot will be removed when number of candidates is odd if succeed, the number of ballots will be 5

Output:

- The length of the ballot is 6.
The invalid ballot is removed successfully.
- The length of the ballot array is 5.
The two invalid ballots were removed successfully.

Passed or Failed:

- Pass

Date: 04/27/2021