

<u>PBI, Task Description with Unique Testing Number:</u> #1 Fix file parsing to allow multiple winners/ensure that file parsing works properly for IRV
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1. A csv or text file with ballots
<u>Tests:</u> 1) Testing for file being read correctly 2) Testing for file stating IRV election in first line 3) Testing for creation of audit.txt 4) Testing for creation of report.txt
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Passed
<u>Date:</u> 4/25/2022

<u>PBI, Task Description with Unique Testing Number:</u> #1 Fix calcResults() function to allow multiple winners for IRV
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1. A string representing a candidate 2. A string representing a ballot
<u>Tests:</u> 1) Tests for adding candidates to the election 2) Tests for adding ballots to the election 3) Tests for assigning unassigned ballots 4) Testing for correct calculations of election results
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Passed
<u>Date:</u> 4/25/22

<u>PBI, Task Description with Unique Testing Number:</u> #1 Ensure that correct winners can be retrieved by user for IRV
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) A string representing a candidate 2) A string representing a ballot 3) .csv or txt file
<u>Tests:</u> 1) Tests for adding candidates to the election 2) Tests for adding ballots to the election 3) Tests for assigning unassigned ballots 4) Testing for correct calculations of election results 5) Testing for display of winner from IRV election
<u>Outputs:</u> OK and all tests pass (JUnit) or error message indicating incorrect inputs
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/25/22

<u>PBI, Task Description with Unique Testing Number:</u> #1 bonus: split calcResults() into readInput() and calcResults() (low priority) for IRV
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) A string that represents the election type as IRV 2) An arraylist of unassigned ballots 3) A csv or txt file
<u>Tests:</u> 1) Testing for correct calculations of election results 2) Testing for file being read in properly 3) Tests for adding candidates to the election 4) Tests for adding ballots to the election 5) Tests for assigning unassigned ballots
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/25/22

<u>PBI, Task Description with Unique Testing Number:</u> #2 Ensure that file parsing works properly for OPL
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1. A csv or text file with ballots
<u>Tests:</u> 1) Testing for file being read correctly 2) Testing for file stating OPL election in first line 3) Testing for creation of audit.txt 4) Testing for creation of report.txt
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/26/22

<u>PBI, Task Description with Unique Testing Number:</u> #2 Fix calcResults() function to calculate the winners correctly for OPL
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1. A string representing a candidate 2. A string representing a ballot
<u>Tests:</u> 1) Tests for adding candidates to the election 2) Tests for adding ballots to the election 3) Tests for assigning unassigned ballots 4) Testing for correct calculations of election results
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Passed
<u>Date:</u> 4/26/22

<u>PBI, Task Description with Unique Testing Number:</u> #2 Ensure that correct winners can be retrieved by user for OPL
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) A string representing a candidate 2) A string representing a ballot 3) .csv or txt file
<u>Tests:</u> 1) Tests for adding candidates to the election 2) Tests for adding ballots to the election 3) Tests for assigning unassigned ballots 4) Testing for correct calculations of election results 5) Testing for display of winner from OPL election
<u>Outputs:</u> OK and all tests pass (JUnit) or error message indicating incorrect inputs
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/26/22

<u>PBI, Task Description with Unique Testing Number:</u> #2 bonus: split calcResults() into readInput() and calcResults() (low priority) for OPL
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) A string that represents the election type as IRV 2) An arraylist of unassigned ballots 3) A csv or txt file
<u>Tests:</u> 1) Testing for correct calculations of election results 2) Testing for file being read in properly 3) Tests for adding candidates to the election 4) Tests for adding ballots to the election 5) Tests for assigning unassigned ballots
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/26/22

<u>PBI, Task Description with Unique Testing Number:</u> #7 Change input loop so that "filename" always adds the given filename to a list of files, rather than overwriting previous filenames
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) a .csv or txt file 2) a string representing the file name
<u>Tests:</u> 1) Testing for filename being added to list of files 2) Testing for filename being parsed in correctly
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #7 give the filehandler a list of filenames rather than just one filename
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) a .csv or txt file 2) a string representing the file name
<u>Tests:</u> 1) Testing for filename being added to list of files 2) Testing for filename being parsed in correctly
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #7 replace FileHandler.setInputFile() with something like FileHandler.addInputFile(), this new method should behave similarly to setInputFile but should add valid files to the list of filenames rather than just overwriting the previous filename
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) a .csv or txt file 2) a string representing the file name
<u>Tests:</u> 1) Testing for filename being added to list of files 2) Testing for filename being parsed in correctly
<u>Outputs:</u> OK and all tests pass (JUnit)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #7 possibly change from creating a FileHandler when the first file is passed in, to creating one when the program starts?
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> A .csv or text file
<u>Tests:</u> N/A (placement of the filehandler call)
<u>Outputs:</u> N/A (placement of the filehandler call)
<u>Passed or Failed:</u> Pass (filehandler works)
<u>Date:</u> 4/29/22

PBI, Task Description with Unique Testing Number: #7 create a getter for FileHandler.filename.size (probably useful for adding multiple file support to electionOPL/electionIRV)

Team Member(s) Responsible: Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton

Inputs: 1) a .csv or txt file
2) a string representing the file name

Tests: 1) Testing for filename being added to list of files
2) Testing for returning number of files in list

Outputs: OK and all tests pass (JUnit)

Passed or Failed: Pass

Date: 4/29/22

PBI, Task Description with Unique Testing Number: #7 update electionOPL to support reading input from multiple files

Team Member(s) Responsible: Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton

Inputs: 1) A .csv or txt file

Tests: N/A

Outputs: N/A

Passed or Failed: Pass (electionOPL runs)

Date: 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #7 update electionIRV to support reading input from multiple files
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> Multiple CSV files, irvm1, irvm2, irvm3.csv
<u>Tests:</u> Test to compare the correct winner from multiple CSV files versus expected
<u>Outputs:</u> All tests OK
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/28/22

<u>PBI, Task Description with Unique Testing Number:</u> #9 change the code which reads the ballots in so that it checks each ballot for if it is valid. Invalid ballots will be disregarded/added to audit file
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> A ballot file which has 6 ballots, 1 of which does not have half the candidates ranked
<u>Tests:</u> A test to parse the file and then compare the number of ballots that are active and valid
<u>Outputs:</u> All tests passed, OK
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/28/22

<u>PBI, Task Description with Unique Testing Number:</u> #9 update FileHandler to support this new audit file (add a function)
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> a .csv or txt file
<u>Tests:</u> N/A (no unit testing for testing an update to filehandler)
<u>Outputs:</u> N/A (no unit testing for testing an update to filehandler)
<u>Passed or Failed:</u> Pass (FileHandler supports the new audit file)
<u>Date:</u> 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #4 create ElectionPO class
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> 1) Filehandler that has a .csv or txt file loaded in 2) A string representing candidates
<u>Tests:</u> 1) Testing for ElectionPO to run without errors
<u>Outputs:</u> OK. Class runs.
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #4 write ElectionPO.readInputs() which reads all supplied files for inputs.
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> a csv file containing ballots
<u>Tests:</u> Testing for a successful parsing of a file
<u>Outputs:</u> True, all tests OK
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/29/22

<u>PBI, Task Description with Unique Testing Number:</u> #4 If the default Candidate class is not enough to complete this, then write a CandidatePO class
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> N/A (Candidate class is enough to complete this)
<u>Tests:</u> N/A (Candidate class is enough to complete this)
<u>Outputs:</u> N/A (Candidate class is enough to complete this)
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/29/22

PBI, Task Description with Unique Testing Number: #3 create ElectionPO.calcResults() which behaves similarly to ElectionIRV.calcResults() and ElectionOPL.calcResults()

Team Member(s) Responsible: Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton

Inputs: A CSV file with ballots, testPO.csv

Tests: test that the calcResults() function correctly assesses a winner via PO

Outputs: True, All tests OK

Passed or Failed: Pass

Date: 4/30/22

PBI, Task Description with Unique Testing Number: #3 ensure that correct winner can be retrieved by user

Team Member(s) Responsible: Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton

Inputs: CSV File containing ballots according to PO

Tests: CalcResults() correctly working and main() able to retrieve winner

Outputs: Accurate winner

Passed or Failed: Pass

Date: 4/30/22

<u>PBI, Task Description with Unique Testing Number:</u> #3 create input command to request PO election
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> runpo input command
<u>Tests:</u> N/A (is built into GUI)
<u>Outputs:</u> N/A
<u>Passed or Failed:</u> Pass
<u>Date:</u> 4/30/22

<u>PBI, Task Description with Unique Testing Number:</u> #3 write a fair random coin flip (possibly use the one which was already written)
<u>Team Member(s) Responsible:</u> Ann Huynh, Sean Beaulieu, Jasper Rutherford, Shey Pemberton
<u>Inputs:</u> N/A (uses the one that was already written)
<u>Tests:</u> N/A (uses the one that was already written)
<u>Outputs:</u> N/A (uses the one that was already written)
<u>Passed or Failed:</u> Pass (coin flip works)
<u>Date:</u> 4/30/22