

Product Backlog Items				
User Story	Acceptance Criteria	Definition of Done	Effort	PBI Authors
As an election official, I want another type of election called Popularity Only (PO) So that more states and official governments can use the system instead only the those with IRV and OPL voting system.	The software should support Popularity Only Voting. When inputting a PO election file, the software should determine the single winner receiving the most ballots. The software should do a fair coin toss if there is a tie between candidates.	Unit tests pass, System tests pass, Code has been refactored	Large	Linh Duong
As an election official, I want the PO stats to be displayed to the screen at the end of the election So that I know who won and who lost.	Upon finishing the running of the election, the results should be displayed to the screen. This should include the number/percentage of votes each candidate received, the number of ballots cast, and the winner.	Unit tests pass, System tests pass, Code has been refactored	Small	Thomas Hauptert
As an election official, I want to be able to handle ballots from different locations So that all the ballots are counted properly.	The software must be able to handle multiple files. When separating the file names with a special character, the software will then be run with each file processed seperately.	Unit tests pass, System tests pass, Code has been refactored	Small	Roshina Mohamed Rafee
As an election official, I want to input the file by typing a filename or looking for it in a small window So that I can find the file easily in a pool of many other important files.	The software should have a window appeared when prompting for a filename. The software should be able to locate the input file when a filename is typed in or when a mouse is used to to navigate the file.	Unit tests pass, System tests pass, Code has been refactored	Small	Linh Duong
As an election official, I want to keep track of invalidated ballots So that I can keep track of all ballots for auditing purposes.	The system should create a file which stores invalid ballots. The name of the created file should follow the naming convention of "invalidate_dateofelection.xxx"	Unit tests pass, System tests pass, Code has been refactored	Medium	Linh Duong
As an election official, I want a table to be printed at the end showing each round of the IRV and the number of votes each candidate added or subtracted So that I have a visible form of the election process.	The table is displayed to screen and contains columns for candidate, their party affiliation, the initial votes, and a column for each round of IRV showing the votes added/subtracted for each candidate. There are additional rows for write-ins, exhausted pile, and totals.	Unit tests pass, System tests pass, Code has been refactored	Medium	Henry Huynh

As an election official, I want an additional printable short report that only contains pertinent information So that I may give it to election certification officials.	A short report should be created at the end of an election that contains date, type of election, IR or OPL, the candidates, the number of seats, and the winner(s) of the election.	Unit tests pass, System tests pass, Code has been refactored	Small	Henry Huynh
Completed Backlog Items				
User Story	Acceptance Criteria	Definition of Done	Effort	PBI Authors
As the product owner, I want the Open Party List (OPL) voting system to work fully So that we can use this software in open party list elections.	The software should support Open Party List Voting. When inputting an OPL election file, the software should find a winner for each seat up for election. If at any point there is a tie, a coin toss will determine the winner.	Unit tests pass, System tests pass, Code has been refactored	Large	Thomas Hauptert
As the product owner, I want the Instant Runoff Voting (IRV) system to work fully So that we can use this software in instant runoff elections.	The software should support Instant Runoff Voting. When inputting an IR election file, the software should determine the winner of the election by progressively removing candidates with the least number of votes until one remains. If at any point there is a tie, a coin toss will determine the winner.	Unit tests pass, System tests pass, Code has been refactored	Large	Thomas Hauptert
As an election official I want there to be an audit generated at the end of the election that shows every step of the election process So that I can ensure that we follow applicable security regulations.	The software should create an audit TXT file that is viewable any time after the election. This file should contain the candidate every ballot went to as well as all the calculations involved in finding the winner(s) of the election. This file should have enough detail to be able to recreate an election using only this file.	Unit tests pass, System tests pass, Code has been refactored	Medium	Thomas Hauptert
As election official I want there to be a media report generated with basic information about the election So that we can send the final election results to the press.	The software should create a media report TXT file that is viewable any time after the election. This file should contain the winner of the election as well as how many votes each candidate got.	Unit tests pass, System tests pass, Code has been refactored	Medium	Thomas Hauptert

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.	When the software is run with a that CSV file begins with "PO", it will process information about the candidates and the number of ballots that is contained in the file.	Unit tests pass, System tests pass, Code has been refactored	Small	Roshina Mohamed Rafee
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.	The system should validate each ballot by checking whether at least half of candidates are ranked or not. Otherwise, it will be considered invalid.	Unit tests pass, System tests pass, Code has been refactored	Medium	Linh Duong