

User Story	Acceptance Criteria	Definition of Done	Effort	PBI Authors
As the product owner, I want IRV and Open Party List voting systems to work fully So that we can use this software in those kinds of elections.	The software should support Instant Runoff Voting and Open Party List Voting as described in project 1.	Unit tests pass, System tests pass, Code has been refactored	Extra Large	Thomas Hauptert
As an election official, I want another type of voting algorithm 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. 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 to be able to process the PO election ballot So that we can see the results after the election.	The preferred file format is .csv for the election to be run.	Unit tests pass, System tests pass, Code has been refactored	Small	Roshina Mohamed Rafee
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.	The percentage of votes each candidate received should be shown.	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.	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 invalidate the ballots in IRV So that I can check to ensure the precision, fairness, and security of the elections.	The system should validate the ballot by checking whether at least half of candidates is ranked or not. 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.	The short report 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