

PRODUCT BACKLOG					
ID	As a...	I want to be able to...	So that...	Acceptance Criteria	Definition of Done
1	Election Official	Determine a number of winners via IRV	I don't have to calculate the winners myself	The user can submit a file for input, run a command to calculate the correct IRV election results, and can receive the results of that election	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)
2	Election Official	Determine a number of winners via OPL	I don't have to calculate the winners myself	The user can submit a file for input, run a command to calculate the correct OPL election results, and can receive the results of that election	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)
3	Election Official	determine a single winner via PO (the candidate who received the most ballots)	I don't have to count the votes myself	The user can run a command to calculate the correct PO election results, and can receive the results of that election	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)
4	Election Official	bring in PO election ballots via a .csv file	I don't have to input the individual ballots manually	User can submit a CSV file for input. All candidates/votes will then be read and scanned into the system.	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)
					Sean, Jasper
					Ann, Jasper

5	Election Official	display information to the screen after a PO election	I can see the winner of the election and other relevant information	After each PO election, statistics are generated (Who won/lost and the percentage of total votes that each candidate received) and displayed to the screen.	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)	Small	Ann, Jasper
6	Constituent	know the percentage of votes each candidate received	I can know how by how much a candidate has won by	Percentage of votes each candidates receive is recorded and displayed after the election is run.	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)	Small	
7	Election Official	Bring in multiple files instead of a single file	I can bring in different files from different balloting locations	Users can input multiple files for input. System reads all ballots from all files and generates correct election results accordingly. This should work for all election types.	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)	Large	Sean, Jasper
8	Election Official	have a GUI window	I can select ballot files for processing from a directory	User can enter a command to bring up a window. This window allows the user to navigate directories and select CSV files to be used as input for the system. Supports multiple files.	1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build 3) Code written in pairs/ viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual , exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)	Medium	Sean, Jasper

9	Election Official	Automatically filter out the ballots which have less than half the candidates ranked in an IRV election	I don't have to filter them out myself	Invalid ballots automatically logged into the audit file and then discarded, not to be counted for candidates.	<p>1) All previous regression tests pass</p> <p>2) Regression tests for new functionality run automatically every build</p> <p>3) Code written in pairs/ viewed by other members</p> <p>4) Duplicate code is removed through refactoring</p> <p>5) Messy code cleaned up through refactoring</p> <p>6) manual , exploratory testing has been conducted</p> <p>7) Checkout and build fully reproducible (1-2 commands)</p>	Small	Sean, Jasper
10	Election Official	See a table of information after each IRV election	I can see what happened at each round of the IRV	Details including candidates, parties, and percentage of votes for each round of the IRV are tracked during each IRV election and then displayed after the IRV election completes.	<p>1) All previous regression tests pass</p> <p>2) Regression tests for new functionality run automatically every build</p> <p>3) Code written in pairs/ viewed by other members</p> <p>4) Duplicate code is removed through refactoring</p> <p>5) Messy code cleaned up through refactoring</p> <p>6) manual , exploratory testing has been conducted</p> <p>7) Checkout and build fully reproducible (1-2 commands)</p>	Small	Shey, Jasper