

Product Backlog	Not Started	In Progress	Completed
<p>As the product owner, I want both plurality and STV to work properly. So that election results can be calculated.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Plurality works properly</li><li>STV works properly</li><li>Thorough testing is required</li></ul> <p>Effort: Small</p>			<p>Write unit tests for plurality</p> <p>Write unit tests for STV</p> <p>Create several cases for different type cases</p>
		<p>Code the plurality algorithm</p>	<p>Code the STV algorithm</p> <p>Create javadoc</p>
		<p>Write unit tests for determine shuffle option and shuffling buttons</p>	<p>Code the inputting shuffle option part</p>
<p>As the developer of the voting system, I want to be able to determine shuffle option. So that I can use for testing and make sure the election is fair</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Check if Commandline contains a third argument for shuffle option</li><li>The default shuffle option is turned on</li><li>Be able to let the developers to pass in shuffle after the file name to indicate the shuffle option</li><li>Thorough testing is required</li></ul> <p>Effort: Small</p>			
<p>As the user of the voting system, I want to input a CSV file. So that the system is prompted.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Be able to prompt user to input file name</li><li>Be able to parse the file</li><li>File has to have less than 10000</li><li>Each line represents one type of info</li><li>Thorough testing is required</li></ul> <p>Effort: Small</p>			<p>Write unit tests for parsing the</p> <p>Modify codes for prompting the user for the file name</p> <p>Create a sample csv file for testing</p> <p>Codes to parse the file and find required information properly</p>
<p>As the user of the voting system, I want to run the voting system by passing in commandline with the file name. So that the system can be run with just a command line argument.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Be able to handle command line argument</li><li>Be able to parse the file</li><li>File has to be less than 10000</li><li>Each line represents one type of info</li><li>Thorough testing is required</li></ul> <p>Effort: Small</p>			<p>Write unit tests for parsing the name and open file</p> <p>Coding to prompt user the file name</p>
<p>As the election official, I want to have a short report in addition to an audit report. So that the short report can be printed and given to the election certification officials.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Include date, type of election, the candidates if any and the winner of the election</li><li>Be shown for is included in the short report</li><li>Thorough testing is required</li></ul> <p>Effort: Small</p>	<p>Conduct testing and update unit test</p> <p>Codes to generate the short report with required information</p>		<p>Unit tests for generating the short report</p>
<p>As the election official, I want to make sure to only count for ballots that have at least half of the candidates marked. So that ballots that do not meet this standard are determined to be invalid after the election run.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Be able to catch invalidated ballots during the process of running the voting system</li><li>Be able to calculate the ratio between the number and the number of candidate for each ballot during each vote distribution</li><li>Thorough testing is required</li></ul> <p>Effort: Medium</p>	<p>Code to identify the exact number of valid votes for a ballot.</p>		
<p>As the election official, I want to have the voting system designed in graphical user interface. So that I don't need to use terminal to run the election.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Show everything shown on the console</li><li>Show the result in the graphical interface</li><li>Thorough testing is required</li></ul> <p>Effort: Medium</p>	<p>Design a GUI to input ballots on screen</p>		
<p>As the election official, I want to have the ballots input on screen directly. So that I can manually add new ballots.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Show ballots to be input instead of using csv</li><li>Show the input ballot and able to enter system</li><li>Thorough testing is required</li></ul> <p>Effort: Small</p>	<p>Design how to input ballots using GUI</p>		
<p>As the election official, I want to be able to use the progress of the election. So that information is updated for each page.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"><li>Print out a line with candidates and their updated # votes each time</li><li>Print out a line with the updated elected candidates and their # votes each time</li><li>Print out a line with the updated non elected candidates and their # votes each time</li><li>Print out the updated list of invalidated ballots</li><li>Thorough testing is required</li></ul> <p>Effort: Medium</p>			