

## Sprint Backlog

Product Backlog	To Do	In-progress	Done
<p>As a project owner, I want votes to be calculated for the OPL voting system, so that OPL election input files can be analyzed.</p> <p>Acceptance criteria: The OPL algorithm must produce accurate data. The OPL algorithm must be thoroughly tested and function as intended.</p> <p>Definition of Done: The result must be accepted by the product owner. The result must be accepted by the team. The result must pass automated and manual tests.</p> <p>Level: Medium</p>	<p>Michael Ung: Take a look at the Display function to get GUI functional again.</p>	<p>Michael Ung: Test all functions related to calculate winners.</p> <p>Michael Ung: Document the added code.</p> <p>Michael Ung: Refactor existing code for good style.</p>	<p>Michael Ung: Code function to calculate winners for OPL.</p> <p>Michael Ung: Code function to break ties for OPL.</p> <p>Michael Ung: Code helper functions for the algorithm.</p>
<p>As a developer, I want to complete the CPL voting algorithms, so that we can properly calculate the winner for CPL.</p> <p>Acceptance criteria: The CPL voting algorithm must</p>			<p>Zhuoran Bi: Create function to calculate winners for CPL.</p> <p>Zhuoran Bi: Code helper functions for the algorithm.</p>

<p>correctly determine the winner. The CPL voting algorithm must be efficient.</p> <p>Definition of Done: The result must be accepted by the team. The result must be accepted by the product owner. The result must pass all tests and inspection.</p> <p>Level: Medium</p>			<p>Zhuoran Bi: Test the calculated winners functions.</p> <p>Zhuoran Bi: Implement a function to break ties.</p> <p>Zhuoran Bi: Refactor existing code for good style.</p> <p>Zhuoran Bi: Document the added code.</p>
<p>As a developer, I want my display function to be able to display the winner so that users can see who is the winner for both CPL and OPL voting types.</p> <p>Acceptance criteria: A winner with its number of votes can be properly displayed. Display must pass tests or manual inspection.</p> <p>Definition of Done: The result must be accepted by the product owner. The tests must pass or be inspected and accepted.</p>			<p>Jing Wu: Implement the display function.</p> <p>Jing Wu: Test the display function.</p> <p>Jing Wu: Document the added code.</p>

Level: Medium			
<p>As a product owner, I want to save the audit file in .txt format to any path I want with any, so that the audit file could be checked easily.</p> <p>Acceptance criteria: The audit file has the format specified in the specification document. The audit file must be generated correctly. The information displayed on the screen is exported into a .txt file The audit file must be able to be saved in designated directory</p> <p>Definition of Done: The result must be accepted by the team and product owner. The file must pass manual inspection or tests..</p> <p>Level: Medium</p>	<p>JiYong: Design user interface for this functionality.</p> <p>Zhuoran Bi: Connect this functionality to the user interface.</p> <p>Zhuoran Bi: Documented the added code.</p>	<p>Jing Wu: Test the create_txt_file() function.</p>	<p>Jing Wu: Implement the create_txt_file() function</p>
<p>As an Election Official, I want to be able to search for an input file using a GUI, so that I will be able to run the program without having the file be in the same directory as the program.</p>		<p>JiYong: Documented the added code.</p>	<p>JiYong: Create a GUI that has the function button to open the file.</p> <p>JiYong: Test the searching file function.</p>

<p>Acceptance criteria: The GUI must be easy to read. The GUI must be easy to use. The GUI must be able to find a file that the user wants.</p> <p>Definition of Done: The GUI must be accepted by the product owner. The GUI must be accepted by the team. The GUI must be completely functional and pass manual inspection and/or tests.</p> <p>Level: Large</p>			<p>JiYong: Make the interface look better</p> <p>JiYong: Test the interface</p>
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