Sprint Backlog

Product Backlog	To Do	In-progress	Done
As a project owner, I want votes to be calculated for the OPL voting system, so that OPL election input files can be analyzed. Acceptance criteria: The OPL algorithm must produce accurate data. The OPL algorithm must be thoroughly tested and function as intended. 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. Level: Medium	Michael Ung: Refactor existing code for good style.	Michael Ung: Test all functions related to calculate winners. Michael Ung: Document the added code.	Michael Ung: Code function to calculate winners for OPL. Michael Ung: Code function to break ties for OPL. Michael Ung: Code helper functions for the algorithm.
As a developer, I want to complete the CPL voting algorithms, so that we can properly calculate the winner for CPL. Acceptance criteria: The CPL voting algorithm must	Zhuoran Bi: Document the added code. Zhuoran Bi: Refactor existing code for good style.	Zhuoran Bi: Test the calculated winners functions. Zhuoran Bi: Implement a function to break ties.	Zhuoran Bi: Create function to calculate winners for CPL. Zhuoran Bi: Code helper functions for the algorithm.

correctly determine the winner. The CPL voting algorithm must be efficient. Definition of Done: The result must be accepted by the team. The result must accepted by the product owner. The result must pass all tests and inspection. Level: Medium			
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. Acceptance criteria: A winner with its number of votes can be properly displayed. Display must pass tests or manual inspection. Definition of Done: The result must be accepted by the product owner. The tests must pass or be inspected and accepted. Level: Medium	Jing Wu: Test the display function. Jing Wu: Document the added code.	Jing Wu: Create the GUI for the display function.	Jing Wu: Implement the display function.

As a product owner, I want to save the results in .txt format to the disk, so that the results can be shared easily. Acceptance criteria: Only basic information such as winners, parties, percentage of votes, and possibly total number of votes. The system must run to generate correct results. The information displayed on the screen is exported into a .txt file Definition of Done: The result must be accepted by the product owner. The result must be accepted by the team. The result must pass inspection or tests. Level: Medium	JiYong: Design user interface for this functionality. Zhuoran Bi: Connect this functionality to the user interface. Zhuoran Bi: Documented the added code.	Jing Wu: Implement the create_txt_file() function Jing Wu: Test the create_txt_file() function.	
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. Acceptance criteria: The GUI must be	JiYong: Documented the added code.	JiYong: Create a function for searching the file with the name given. JiYong: Test the searching file function.	JiYong: Create a GUI that has the function button to open the file. JiYong: Test the searching file function.

easy to read. The GUI must be easy to use. The GUI must be able to find a file that the user wants. 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. Level: Large			