PBI	Not started	In-progress	Complete				
Tie-breaker for CPL As an election official I want to use a tie-breaker to choose a candidate to allocate remainder votes to in CPL So that there will always be only one candidate chosen fairly Acceptance Criteria: A candidate is chosen out of a number that has the same remaining votes. Definition of Done: When reallocating votes based on remainder votes in CPL, the algorithm picks a candidate from a pool of candidates with the same remainder of votes via a tiebreaker. Effort: Small			- Code **Liam** - Integrate **Liam** - Test **Liam**				
Add date to audit file As an election official I want to add a date of an election to an audit file So that I know when the ballots were counted for a particular election Acceptance Criteria: Save a date of an election to an audit file Definition of Done: Successfully adds a date of an election to an audit file Effort: Small	- integrate - test	Code: Soorya					
Input multiple files As an election official I want to be able to process multiple files So that I can combine voting ballots from multiple election sites Acceptance Criteria: The program will include ballots from all files given to the program as well as header information all files share. Definition of Done: Before parsing any files and counting ballots, the program must parse header information from a singular file to represent the election being simulated, then all files will be processed sequentially and the ballots will be collected from each and stored together. Effort: Medium		- testing: **Bilal**	-Header Parsing: Bilal -multiple file parsing: Bilal -PO integration: Bilal -CPL integration: Bilal -IRV integration: Bilal -inputting multiple ballots from files : Bilal				
Display IR table of election results As an election official I want to be able to see IRV table of election results in a window So that I can see how election is simulated and calculated in an ordered format Acceptance Criteria: A table displays all of the election rounds and allocations as well as candidate rankings per round on the screen through a table.	- integrate with system - test	- determine when/where data is gathered **Liam** - code **Liam** - test **Liam**					

Definition of Done: The class is able to contain all election information done through simulation loop or rounds and is able to present that data as a table which is shown on the GUI. Effort: Large							
Remove invalid ballots As an election official I want to have remove ballots with less than half of the candidates ranked in Instant Runoff Voting (IR) So that I can run an election with only valid ballots Acceptance Criteria: Ballots that do not have half of the candidates ranked at least are not counted and the invalid ballots are shown in audit file. Definition of Done: Collects ballots that are not valid by counting if less than half of the candidates are ranked. The invalid ballots will be saves in a data structure later put into the audit file. Effort: Low			- new method for finding invalid ballots:Bilal -test:Bilal				
PO voting algorithm As an election official I want Popularity Only (PO) voting algorithm So that I can select a winning candidate with the most votes Acceptance Criteria: The election simulation is able to gather all ballots and display the winner of the election based on popularity. Definition of Done: Select a winner based on the candidate receiving the most ballot by counting up ballots per candidate. Effort: Medium			Code : Hyehwan, Test: Hyehwan, Integrate with FileParser: Hyehwan, UML design: Hyehwan				
Tie-breaker for PO As an election official I want an unbiased system to break ties in Popularity Only Voting (PO) So that I can select a winning candidate in a fair trial Acceptance Criteria: One candidate out of a couple with the same rating will be randomly chosen. Definition of Done: The method is able to return a random candidate name from a list of candidates. Effort: Small			Code: Hyehwan, Soorya, Test: Hyehwan, Soorya, Integrate with PO algorithm: Hyehwan				
Run program through GUI As an election official I want a GUI window So that I can be able to start the election process	- code GUI design - code functionality - integrate with GUI - unit test - system test						

Acceptance Criteria: There is a GUI that the user can see and click on to start election simulation. Definition of Done: The GUI is displayed on the screen with the necessary prompts and the user is able to run the main function in the FileParser class.. Effort: Large							
GUI for PO results As an election official I want to be able to see PO election results in a window So that I can see how election is simulated and calculated Acceptance Criteria: The GUI shows election results and calculations on the screen. Definition of Done: The class is able to contain all election information done through algorithms of PO and display it on the screen. Effort: Medium	- code GUI design - code functionality - integrate functionality with GUI - unit test						
GUI for CPL results As an election official I want to be able to see CPL election results in a window So that I can see how election is simulated and calculated Acceptance Criteria: The GUI shows election results and calculations/allocations of ballots on the screen. Definition of Done: The class is able to contain all election information done through algorithms of CPL and display it on the screen. Effort: Medium	- code GUI design - code functionality - integrate with CPL results functionality - unit test						
GUI for file selection As an election official I want a GUI window So that I can select ballot files for processing from a directory Acceptance Criteria: The screen will allow the user to click on files from computer and/or type in filenames Definition of Done: The GUI is able to input file names from local directories and from text input Effort: Medium	- code GUI design - code functionality - integrate with multiple file input functions - unit test						
GUI prompts for date of election As an election official I want to be able to set the date of the election So that I can store information about when the election was conducted for future reference	- code GUI design - code functionality - integrate with date selection functions - unit test						

Acceptance Criteria: The GUI asks for the date of an election			
Definition of Done: GUI asks for the date of an election			
Effort: Low			
Add PO election progress to an audit file			Code: Hyehwan, Integrate with current audit functions: Hyehwan, test: Hyehwan
As an election official I want to store the election result in an audit file So that I have proper documentation of election information			
Acceptance Criteria: Write correct results of an election for PO to an audit file and return the correct audit file			
Definition of Done: The election information gathered from the PO election simulation will be written onto the audit file which has been already created.			
Effort: Small			