SELECTED BACKLOG ITEMS	DEV NAME	TASKS NOT STARTED	TASKS IN PROGRESS	TASKS COMPLETED
As an election official	Amelia Lunning			Fix bug where running STV with 1-2 seats results in an OutOfMemory error
I want to be able to process an STV-style election correctly So that when the Secretary of State announces an election of that type, winners can be	Amelia Lunning			Add additional unit and system tests for STV
determined.	Amelia Lunning		Adjust unit and system tests for Main accordingly	
Acceptance Criteria:	Baanee Singh		Adjust documentation as necessary	
- STV can handle any number of seats and candidates where the number of seats is less	Amelia Lunning			Refactor genAudit() and displayResults()
than or equal to the number of candidates, but greater than zero. - Ballot shuffling is toggleable and functions correctly	Arricia Editing			Trefactor genradiit() and display/results()
- STV accurately produces the winners and losers of the election				
Definition of Done:				
- Code refactoring				
- Exceptions are handled gracefully - In-line documentation is undated				
Exceptions are handled gracefully In-line documentation is updated Unit and integration tests are written and pass				
Effort:				
- Small				
- 2-3 Hours				
PBI Author(s):				
- Baanee Singh, Josh Subhan				
As an election official	Baanee Singh			Edit methods that will parse all info from the headers.
I want to be able to run elections without having to manually input any parameters into the	Baanee Singh			Documentation in-line
system except for the election csv file So that erroneous or fraudulent information is not given, and elections are secure.	Baanee Singh		Create new unit and system tests (Scanner object as a parameter)	
Acceptance Criteria:	Baanee Singh			Implement new main() logic
System should successfully parse the following from the file:				
- Election type	Baanee Singh			Documentation javadocs
- Number of seats - Number of candidates	Josh Subhan			Refactoring Main
- Number of ballots				
Candidate names CSV file cannot be modified				
- CSV file cannot undergo any preprocessing				
Definition of Done:				
Documentation (JavaDocs, In-line comments) Code refactoring				
- Code refactoring - Unit and integration tests are written and pass				
Unit and integration tests are written and pass All exceptions are handled gracefully				
Effort:				
- Medium				
- 3-4 hours				
PBI Author(s): Josh Subhan				
	Zach Larsen			Create MV class
	Zach Larsen			Create MV testing class
	Zach Larsen			Code MV constructor, setDeterministic, startElection methods
	Zach Larsen			Code tabulateVotes() method
As an election official	Zach Larsen			Code determine_Winner_Loser() method
I want to be able to process ballots that are designed for a municipal voting style election So that when the Secretary of State announces an election of that type, ballots can be appropriately counted and winners determined	Zach Larsen			Code settleTies() method
	Zach Larsen			Unit test tabulateVotes()
Acceptance Criteria:	Zach Larsen			Unit test determine_Winner_Loser()
- Election winners are properly determined				Unit test settleTies()
Accurately count ballots where a voter has only voted for one candidate	Zach Larsen			
- Accurately count ballots where a voter has voted for more than one candidate	Zach Larsen			
				Refactor JavaDocs for DirectSelection class
Accurately count ballots were a voter has voted for all candidates Settle a tie between candidates with a fair coin toss mechanism	Zach Larsen			Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class
	Zach Larsen Zach Larsen			Refactor JavaDocs for DirectSelection class
Definition of Done: - Documentation (JavaDocs. In-line comments).				Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class
Definition of Done: - Documentation (JavaDocs. In-line comments).	Zach Larsen Zach Larsen		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully	Zach Larsen Zach Larsen Baanee Singh		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large - 3-6 hours	Zach Larsen Zach Larsen Baanee Singh Zach Larsen		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large - 3-6 hours	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan		Write out logs for tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan		Write out logs for tests Create unit and integration tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official Lawart to be able to brine in multiple files from different hallotine locations for both STV and	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan			Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official Lawart to be able to brine in multiple files from different hallotine locations for both STV and	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Baanee Singh		Create unit and integration tests Documentation in-line	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to bring in multiple files from different balloting locations for both STV and Plurality voting So that the election data can be processed and managed efficiently from different locations.	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh		Create unit and integration tests	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to bring in multiple files from different balloting locations for both STV and Plurality voting. So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan		Create unit and integration tests Documentation in-line	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to bring in multiple files from different balloting locations for both STV and Plantily voting State the development of the processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple gy files when STV or PV are selected as the	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to bring in multiple files from different balloting locations for both STV and Plantily voting State the development of the processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple gy files when STV or PV are selected as the	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan		Create unit and integration tests Documentation in-line	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs
Definition of Done: Decumentation (JavaDocs, In-line comments) Decumentation (JavaDocs, In-line comments) Decumentation (JavaDocs, In-line comments) All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official Lwant to be able to bring in multiple files from different balloting locations for both STV and Plurality voting So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple syr files when STV or PV are selected as the election type of the selection type of	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to being in multiple files from different balloting locations for both STV and Plurality oving So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple eyr files when STV or PV are selected as the election type System must be able to stop accepting files when prompted by the user System must be able to stop accepting files when prompted by the user System properly collects all the information from ballots in each eyr file Defilition of Docs:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: 1. Large 5-6 hours PBI Author(s): Josh Subhan As an election official 1. want to be able to bring in multiple files from different balloting locations for both STV and Plurality oving So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple cay files when STV or PV are selected as the election type of the prompted by the user System must be able to accept multiple cay files when STV or PV are selected as the election of Done: Reflection; Reflection: Reflection:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: 1. Large 5-6 hours PBI Author(s): Josh Subhan As an election official 1. want to be able to bring in multiple files from different balloting locations for both STV and Plurality oving So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple cay files when STV or PV are selected as the election type of the prompted by the user System must be able to accept multiple cay files when STV or PV are selected as the election of Done: Reflection; Reflection: Reflection:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Documentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to bring in multiple files from different balloting locations for both STV and Plurality oving So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple eav files when STV or PV are selected as the election type System must be able to stop accepting files when prompted by the user System properly collects all the information from ballots in each eav file Definition of Done: Reflectoring. Unit and integration tests are written and pass All exceptions are handled gracefully Documentation (FavDos.), in-line comments)	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subban As an election official Liwant to be able to bring in multiple files from different balloting locations for both STV and Plurality oving So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple eav files when STV or PV are selected as the election dynama and the substance of	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Decumentation (JavaDoes, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subhan As an election official I want to be able to bring in multiple files from different balloting locations for both STV and Plurality voting. So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple cay files when STV or PV are selected as the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple cay files when STV or PV are selected as the election data can be supposed by the user System must be able to stop accepting files when prompted by the user System properly collects all the information from ballots in each cay file Definition of Done: Reflectories are handled gracefully Decumentation (JavaDocs, In-line comments) Effort:	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting
Definition of Done: Decumentation (JavaDocs, In-line comments). Unit and integration tests are written and pass All exceptions are handled gracefully Effort: Large 5-6 hours PBI Author(s): Josh Subban As an election official Liwant to be able to bring in multiple files from different balloting locations for both STV and Plurality oving So that the election data can be processed and managed efficiently from different locations. Acceptance Criteria: System must be able to accept multiple eav files when STV or PV are selected as the election dynama and the substance of	Zach Larsen Zach Larsen Baanee Singh Zach Larsen Josh Subhan Josh Subhan Josh Subhan Baanee Singh Baanee Singh Josh Subhan Josh Subhan		Create unit and integration tests Documentation in-line Documentation javadocs	Refactor JavaDocs for DirectSelection class Create JavaDocs for MV testing class Create in-line comments for MV class Create system tests for MV class Refactor plurality and MV inheritance structure Refactor abstract Election class Create new DirectSelection abstract class Create a function to handle multiple file inputs Create logic to continue to prompt the user for more files or to stop prompting