	Due Date	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/22/2022	4/22/2022	4/22/2022	4/22/2022	4/22/2022	4/22/2022	4/22/2022	4/22/2022		
	Definition of Done	is regression tests pass new functionality run autometically arist viewed by other members are remore through refactioning amed up through refactioning amed up through refactioning ony testing has been conducted fully reproducible (1-2 commands) rew functionality run automatically arist viewed by other members arist viewed by other me									7) Checkout and build fully reproducible (1-2 commands)	1) All previous regression tests pass 2) Regression tests for new functionality run automatically 3) Code written in pairs' viewed by other members 4) Duglace code is armored through relationing 5) Messy code cleaned up through relationing 6) Messy code cleaned up through relationing 7) Checkout and build fully reproducible (1-2 commands)									
Sprint Backlog 4/25/2022	Acceptance Criteria Definition of Done	The user can submit a file for input	command can be run to calculate correct IRV election results	receives correct results of the election	all tests pass and system is able to test runtime of 100000 ballots	Functionality of calcResults is maintained, but all functionality that involves reading from files is moved to readinput()	The user can submit a file for input	command can be run to calculate correct OPL election results	receives correct results of the election	all tests pass and system is able to test runtime of 100000 ballots	Functionality of calcResults is maintained, but all functionality that involves reading from files is moved to readinput()	"flename" command does not cause previous input flesnames to be overwritten, and instead adds the supplied flename to a list of flenames	FileHandler no longer keeps track of a single filename. Instead, FileHandler maintains a list of filenames.	Flehander.setinputile() no briger exists, and Flehander.setinputile() is created with full functionality. New function checks the supplied flehander of it flexists. If it exists, then it is added to the list of flehandes. Otherwise it is grored.	System creates a Fletander object when the program starts up, this object is cosed when the program is chosed when the program is chosed with the "exit" command. The "System to Chorge creates a Fletander object when the first vidil flename is passed in vield flename is	FileHandler has a getter function which returns the FileHandler's list of files.	an OPL election can be ran which draws its inputs from more than one input file	an IRV election can be ran which draws its inputs from more than one input file	the user can remove a filename from the list of filenames via a command.		
	Who's working on it		Ann, Sean		L			Ann, Sean		Shey, Jasper	Shey, Jasper	nedset, MedS	Pack Valle	Shey, Jasper	Shey, Jasper	Shey, Jasper	Shey, Jasper				
	Status	Done 0.5	Done 0.5	0.5 Done	Started 2	Done 0.5	0.5 Done	Done 1.5	0.5 Done	Started 3	Done 0.5	Done	Done 25	Done	Done	Done 25	Done 0.5	Done 0.5	Done 0.5		
	Est Time (hours)	0	0	0		Ö	Ö	-	Ö		Ö	0.25	0.25		0.25	0.25	Ó	0	Ö		
	Tasks	Fix file parsing to allow multiple winners/ensure that file parsing works properly	Fix calcResults() function to allow multiple winners	Ensure that correct winners can be retrieved by user	Unit testing	bonus: split calcResults() into readinput() and calcResults() (low priority)	Ensure that file parsing works properly	Fix calcResults() function to calculate the winners correctly	Ensure that correct winners can be retrieved by user	Unit Testing	bonus: split calcResults() into readinput() and calcResults() (low priority)	Change input loop so that "flename" always adds the given filename to a list of files, rather than overwriting previous flenames	give the filehandler a list of filenames rather than just one filename	replace Flerlander.sethputFle() with something like Flerlander. addition_fle(), this new method should be have similarly to sethputFle turn stould add valid files to the last of filenames rather the bust overwriting the previous filename.	possibly change from creating a Filehander when the first file is passed in, to creating one when the protram starts?	create a getter for FlleHandler. filenames size (probably useful for adding multiple file support to electionOPL/electionIRV)	update electionOPL to support reading input from multiple fles	update electionIRV to support reading input from multiple fles	possibly create function which makes it possible to remove files from the list of input files (low priority)		
	Owner	n official I. I as be to war as a set of the control of the contro										Becton Officia									
	User Story										,	As an election official. I want to be able to bring in multiple files inspect of a single file									
	PBIID	## ##										L			2.4						

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4/22/2022	4/25/2022	4/25/2022	4/25/2022		4/27/2022	4/27/2022	4/27/2022	4/27/2022		4/27/2022	4/27/2022	4/27/2022	4/27/2022	4/27/2022
	1) All previous regression lests pass 2) Regression lests for new functionality run automatically	3) Code written in pairs' viewed by other members 4) Duplicate code is removed through refactoring 5) Messy code elsemed up through refactoring 6) manual. exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands).				1) All previous regression tests pass 2) Regression tests for new functionality run automatically every build	J) Loude without in private through reflectoring 5) Mosey once elements 5) Mosey cone cleaned up through reflectoring 6) manual , exploratory testing has been conducted (7) Checkout and build fully reproducible (1-2 commands)	1) All previous regression tests pass 2) Regression tests for new functionality run automatically 3) Code written in pairs viewed by other members 4) Dudicates code is removed through reflacting 5) Messy code cleaned up through reflacting 6) Messy code deaned up through reflacting 7) Checkout and builk fully reproducible (1-2 commands)						
All unit tests for each of the tasks for this PBI pass, along with all previous unit tests.	An IRV election can be fed invalid ballots via input file(s) and the election will automatically ignore and mark the invalid ballots in the relevant audit file	Can log a string to the audit file via some FileHandler method. This method takes a string and logs that string to the audit file.	all tests pass and system is able to test runtime of 100000 ballots		ElectionPO class exists and extends the Election class	ElectionPO readInputs() exists and can read all candidates/votes in from all supplied input files.	CandidatePO class exists and has all needed functionality which the Candidate class did not have.	all tests pass and system is able to test runtime of 100000 ballots		command can be run to calculate correct PO election results	receives correct results of the election	existing input command can read a PO election option	all tests pass and system is able to test runtime of 100000 ballots	Coin filp in case of tie is fair and randomized
Ann, Sean	Shey, Jasper	Shey, Jasper	Ann, Sean		Shey, Jasper	Shey, Jasper	Shey, Jasper	Ann, Sean		Shey, Jasper	Shey, Jasper	Shey, Jasper	Shey, Jasper	Ann, Sean
Started	Started	Started	Started		Started	Started	Started	Started		Started	tarted	Started	Started	Started
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Unit testing	change the code which reads the ballots in so that it checks each ballot for if it is valid. Invalid aballots will be disregarded/added to audit file.	update FileHandler to support this new audit file (add a function)	uncuon) Unit testing		create ElectionPO class	write ElectionPO.readInputs() which reads all supplied files for inputs.	If the default Candidate class is not enough to complete this, then write a CandidatePO class	unit testing		create ElectionPO.calcResults() which behaves similarly to ElectionIRV.calcResults() and ElectionOPL.calcResults()	ensure that correct winners can be retrieved by user	create input command to request PO election	unit testing	write a fair random coin flip (possibly use the one which was already written)
	As an election official, I	want to be able to automatically filter out the ballots which have less than half the candidates ranked in an IRV election				As an election official, I want to be able to bring in PO election ballots via a.		As an election official, i went to be able to determine a single winner via PO (the candidate who received the most ballots)						
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