	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			
Sprint Backlog 4/22/2022	Definition of Done	1) All previous regression tests pass 2) Regression tests for new functionality run automatically 3) Code written in pairs/ viewed by other members 4) Dublicate code is removed trught reflactioning 5) Messy code cleaned up through reflactioning 6) manual a optionatory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands) 1) All previous regression lessis pass 2) Regression tests for new functionality run automatically 2) Regression tests for new functionality run automatically									7) Checkout and build fully reproducible (1-2 commands)	1) All previous regression tests pass 2) Regression stasts for war functionality run automatically 3) Code written in paint's viewed by other members 4) Duplicate code is removed trapple refactiving 5) Messy code cleared up through refactioning 6) Messy code cleared up through refactioning 7) Checkout and build fully reproducible (1-2 commands)										
	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		ts of	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.	FileHandler.setinputfile() no broger exists, and FileHandler.addiputfile() is created with full functionality. New function checks the supplied filenam for if tessis. If it exists, then it is added to the list of filenames. Otherwise it is gnored.	System creates a Fletander object when the program stats up, this object is costed when the program is closed when the program is closed via the "exif" command. The System no bugger creates a Fletander object when the first viald flename is passed in, valid 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	Ann, Sean		Shev, Jasper	Shey, Jasper	Shev, Jasper	Shev Jasoer	Shey, Jasper	Shev, Jasper	Shey, Jasper	Shey, Jasper			
	Status	Done 5	Done 5	5 Done	Started 2	Done	Done	Done 5	0.5 Started	Started 3	Done	Done	Done	Done	Done	Done 5	Done 5	Done 5	Started 5			
	Est Time (hours)	0.5	0.5	0.5		0.5	0.5	.1.	Ö		0.5	0.25	0.25		0.25	0.25	0.5	0.5	0.5			
		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() (tow 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 selhputFle to the solid selhputFle to the solid fleas to the last of fleamers rather the bust to verwrifing the previous fleamane.	possibly change from creating a FileHandler when the first file is speach it, to creating one when the prooram starts?	create a getter for FileHandler. filenames size (probably useful for adding multiple file support to electionOPL/electionIRV)	update electionOPL to support reading input from multiple files	update electionIRV to support reading input from multiple files	possibly create function which makes it possible to remove files from the list of input files (low priority)			
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	User Story (,		As an election official I want to be able to bring in multiple files instead of a single file									
	PBIID	# 2#													14.							

2022		2022	2022	2022	2022	2022	2022	2022		2022	2022	2022	2022	2022		
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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		
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Ann, Sean																
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		which reads: t checks eac lid. Invalid egarded/add	er to support (add a		dass	readInputs() pplied files f	didate class i nplete this, th PO class) calcResults milarly to esults() and Results()	st winners ca	nand to requ		n coin flip one which w		
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)	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)		
C		chan ballo ballo ballo	update F this new function)	Unit	creat	write El which r inputs.	If the not e write	unit t	orea which which which which which will be reported by the report of the							
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		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 determine a single winner via PO (the candidate who received it most bellots)									
		As an elect	want to automaticali ballots whi than half th ranked in a			As an election official, I want to be able to bring in PO election ballots via a .	csv file, so that I don't have to input the individual ballots manually		As an elec want to I determine a via PO (th who receiv who receiv							
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