	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 4/19/2022	Definition of Done		All previous regression tests pass Regression tests for new functionality run automatically	every build 3) Code written in pairs/ viewed by other members	4) Duplicate code is removed through refactoring 5) Messy code cleaned up through refactoring 6) manual, exploratory testing has been conducted 7) Code and Lind All.	7) Virectous and Duta Tuny reproductive (1-2 Colliniarius)	2) Regression tests pass 3) Code written in early build 3) Code written in parts' viewed by other members 4) Duildace code is removed through reflectioning 5) Messy code cleaned up through reflectioning 6) menual. exploratory testing has been conducted 7) Checkout and build fully reproducible (1-2 commands)					1) All previous regression tests pass from the functionality un automatically 3) Code written in pairs, viewed by other members 4) Duplicate code is removed through refactoring 5) manual. «Aplicatory esting has been conducted 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	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.	FileHandler.setinputfile() no longer exists, and FileHandler.addinputfile() is created with full functionality, New function checks the supplied filename for if texists, If it axists, then it is added to the list of filenames. Otherwise it is ginored.	System creates a Flethander object when the program starts up, this object is chosed when the program is chosed with the exit" command. The "sxit" command. The "sxit" command a Flethander object when the first valid filename is passed in.	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	sean,jasper	sean, Jasper	sean, ann	sean, jasper, ann	sean, ann	Shey, ann	Shey, jasper	Shey, Jasper	Shey, Jasper, ann	Shey, ann										
	Status	Started	Started	Not Started	Not Started	Not Started	Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Slarted	Not Started	Not Started	Not Started	Not Started	Not Started		
	Est Time (hours)	0.5	0.5	0.5		. 8.0	0.5		0.5	- e	0.5				1 0.28				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() (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 Halename 'always adds the given filename to a list of files, rather than overwiting previous	give the filehandler a list of filenames rather than just one filename	replace File-Handler-sethputFile() with something like File-Handler, addinputFile(), this new method should behave similarly to sethputFile but should add valid files to the list of filenames rather filename	possibly change from creating a Flehander when the first file is speased in, to creating one when the program starts?	create a getter for FlleHandler filenames (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 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 insped of a single file									
	PBIID			#						#5		L			2.44						

2022	2022	2022	4/25/2022		4/27/2022	2022	2022	4/27/2022		4/27/2022	2022	2022	2022	2022		
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each of s PBI h all sts.	+	_	nd system untime of allots		ss exists e Election		exists he not	nd system untime of allots		be run to rect PO ssults		command Selection		e of tie is lomized		
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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	change the code which reads the ballots in so that it checks each ballots in so that it shecks each ballot for if it is valid. Invalid ballots will be disregarded/added to audit file.	update FileHandler to support this new audit file (add a function)			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.			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		write a fair random coin flip (possibly use the one which was already written)		
Unit testing	change the ballots in so ballot for if it ballots will to to audit file	update File this new au function)	Unit testing		create Elec	write Electi which read inputs.	If the defau not enough write a Can	unit testing		create Elec which beha ElectionIR\ ElectionOP	ensure that correct w be retrieved by user	create input PO election	unit testing	write a fair rand (possibly use th already written)		
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	As an election official,	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.	csv file, so that I don't have to input the individual ballots manually			As an election official, i want to be able to determine a single winner via PO (the candidate who reseived the most ballots)						
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