

Sprint Backlog 4/19/2022

PBI ID	User Story	Owner	Tasks	Est Time (hours)	Status	Who's working on it	Acceptance Criteria	Definition of Done	Due Date
#1	As an election official I want to be able to deliver winners via IRV so that I don't have to calculate the winners myself	Election Official	Fix file parsing to allow multiple winners ensure that file parsing works properly	0.5	Started	sean, jasper	The user can submit a file for input		4/20/2022
			Fix calcResults() function to allow multiple winners	0.5	Started	sean, Jasper	command can be run to calculate correct IRV election results	1) All previous regression tests pass	4/20/2022
			Ensure that correct winners can be retrieved by user	0.5	Not Started	sean, ann	receives correct results of the election	2) Regression tests for new functionality run automatically every build	4/20/2022
			Unit testing	2	Not Started	sean, jasper, ann	all tests pass and system is able to test runtime of 100000 ballots	3) Code written in pairs/ viewed by other members	4/20/2022
			bonus: split calcResults() into readInput() and calcResults() (low priority)	0.5	Not Started		Functionality of 100000 ballots	4) Duplicate code is removed through refactoring	4/20/2022
#2	As an election official I want to be able to deliver a number of winners via OPL so that I don't have to calculate the winners myself	Election Official	Ensure that file parsing works properly	0.5	Started	Shey, ann	calcResults is maintained, but all functionality that involves reading from files is moved to readInput()	5) manual, exploratory testing has been conducted	4/20/2022
			Fix calcResults() function to calculate the winners correctly	1.5	Not Started	Shey, jasper	The user can submit a file for input	6) manual, exploratory testing has been conducted	4/20/2022
			Ensure that correct winners can be retrieved by user	0.5	Not Started	Shey, Jasper	command can be run to calculate correct OPL election results	7) Checkout and built fully reproducible (1-2 commands)	4/20/2022
			Unit Testing	3	Not Started	Shey, Jasper, ann	receives correct results of the election	1) All previous regression tests pass	4/20/2022
			bonus: split calcResults() into readInput() and calcResults() (low priority)	0.5	Not Started		all tests pass and system is able to test runtime of 100000 ballots	2) Regression tests for new functionality run automatically every build	4/20/2022
#7	As an election official I want to be able to bring in multiple files instead of a single file	Election Official	Change input loop so that "filename" always adds the given filename to a list of files, rather than overwriting previous filenames	0.25	Not Started		Functionality of 100000 ballots	3) Code written in pairs/ viewed by other members	4/22/2022
			give the filehandler a list of filenames rather than just one filename	0.25	Not Started		calcResults is maintained, but all functionality that involves reading from files is moved to readInput()	4) Duplicate code is removed through refactoring	4/22/2022
			replace FileHandler.setInputFile() with something like FileHandler.addInputFile(), this new method would allow the user to start to submit files to be added to the list of files to be added to the list of filenames rather than just overwriting the previous filename	0.25	Not Started		FileHandler no longer keeps track of a single filename. Instead, FileHandler maintains a list of filenames.	5) manual, exploratory testing has been conducted	4/22/2022
			possibly change from creating a FileHandler when the first file is passed in, to creating one when the program starts?	0.25	Not Started		FileHandler.setInputFile() no longer exists, and FileHandler.addInputFile() is created with full functionality. New function checks the supplied filename to see if it exists, then it is added to the list of filenames. Otherwise it is ignored.	6) manual, exploratory testing has been conducted	4/22/2022
			create a getter for FileHandler, filenames (probably useful for adding multiple file support to electionOPL.electionIRV)	0.25	Not Started		System creates a FileHandler object when the program starts up, this object is closed when the program is closed via the "exit" command. The System no longer creates a FileHandler object when the first valid filename is passed in.	7) Checkout and built fully reproducible (1-2 commands)	4/22/2022
			update electionOPL to support reading input from multiple files	0.5	Not Started		FileHandler has a getter method which returns the FileHandler's list of files.		4/22/2022
			update electionIRV to support reading input from multiple files	0.5	Not Started		an OPL election can be ran which draws its inputs from more than one input file		4/22/2022
			possibly create function which makes it possible to remove files from the list of input files (low priority)	0.5	Not Started		an IRV election can be ran which draws its inputs from more than one input file		4/22/2022
				0.5	Not Started		the user can remove a filename from the list of filenames via a command.		4/22/2022
				0.5	Not Started				4/22/2022

