PBI	ID	User story	Tasks	Status	Estiamted Effort	Assigned To
WEEK 1						
			Loop command argument count and add each argument to an array if the file exists (use			
			exists method)	Completed		
		As an election official, I want to be able to bring in multiple	If a file does not exist, display error	Completed		
		files, so that I can bring in different files from different	Make CPL and IR take in multiple files	Completed		
Bring in multiple files into the election system	001	locations.	All testing complete	Completed	1 hour	Chiemeka
			Change IR constructor arguement to take an array of files	Completed		
			Loop n files to call initializeData and poppulateData n times	Completed		
Decree which Classes do IDV dodies are	002	As an election official, I want the IRV files to be processed,	Testing	In progress(50%	21	Division
Process multiple files into the IRV election system	002	so that the IRV election can be run.	Cl. CDI		2 hours	Phuong
			Change CPL constructor argument to take an array of files  Loop n files to call populateBallots, populateCandidates, and populateParties n times	Completed Completed		
			Adjust populateBallots to increase a total ballot count by the total ballots listed in each file	Completed		
			Change array sizes to total ballot count	Completed		
Process multiple files into the CPL election system	003	As an election official, I want the CPL files to be processed, so that the CPL election can be run.	Adjust unit testing to for changes		2 hours	Sidney
rocess muniple mes into the Cr E election system	003	so that the CTE election can be run.	Add new function to format and output table	Completed	2 Hours	Sidiley
			Add variables to track vote counts for candidates each round	Completed		
			Add tracking for exhausted ballots	Completed		
A table that shows each round of the IRV	004	As an election official, I want to see a table that shows each round of the IRV, so that the election results are understood.	Add unit testing for changes	In progress(50%	4 hours	Ted
		are me in the election results are understood.	Track each round's vote total for each candidate	Completed		
			Calculate vote differences using tracked counts	Completed		
		As an election official, I want to view what votes are added and what votes are subtracted for the IRV election, so that I	Add vote difference to table function	Completed		
View what votes are added and what votes are decreased	005	can see the election process.		-	2 hours	Ted
WEEK 2		p-0-200				
			Create population functions with array of files as input	Not Started		
			Loop n files to call population functions n times	Not Started		
		As an election official, I want the files to be processed, so	· · · · · · · · · · · · · · · · · · ·	Not Started		
Process multiple files into the PO election system	006	that the PO election can be run		Not Started	2 hours	
•			For processing each file, assign ballot correctly to candidate	Not Started		
			In IRV, if vote is not ranked for at least half the candidates, invalidate vote	Not Started		
		As an election official, I want candidates' votes to be		Not Started		
Candidate votes are accounted for	007	accounted for so that the integrity of the election holds.		Not Started	2 hours	
			Change populateData to exhaust invalid ballots	Not Started		
		As an election official. I want IRV ballots to have at least	Exhausted ballots will show -1 as their current vote	Not Started		
		half the candidates ranked for it to be valid, so that the		Not Started		
IRV ballots to have at least half the candidates ranked for it to be valid	008	election maintains its validity.		Not Started	2 hours	
			Create new function to create exhausted ballot file	Not Started		
		As an election official, I want to see a new file containing all	Loop through ballots to find any ballots with current vote of -1	Not Started		
		of the invalidated votes after an IRV election completes, so	Output exhausted ballots to the new file	Not Started		
A new file containing all of the invalidated votes	009	that even unused ballots are accounted for.		Not Started	1 hour	
			Loop through n candidates, using a find largest algorithm to keep track of the highest vote			
			count	Not Started		
			If the current vote count is equal to the highest vote count, keep track with an arraylist (number of ties unknown)	Not Started		
		As an election official, I want the PO election to determine a	If there is no tie, declare candidate with the highest vote count from the loop as winner	Not Started Not Started		
The PO election determines a single winner when there are no ties	010	single winner when there are no ties, so I can announce a	Use variable to contain the winner to use when displaying results		4 hours	
	0.17		Loop through n candidates, using a find largest algorithm to keep track of the highest vote	or ourtou		
			count	Not Started		
			If the current vote count is equal to the highest vote count, keep track with an arraylist			
			(number of ties unknown)	Not Started		
		As an election official, I want an unbiased system to break	Call separate function that determines winner using fair coin toss	Not Started		
An unbiased system to break ties for DO design	011	ties for a PO election, so that election integrity is	Fair coin toss function should generate a random number 1000 for unbiased value for each	Not Cto -t - 1	2 h	
An unbiased system to break ties for PO election	011	maintained.	tie, which ever is closest to another unbiased generated chosen number is the winner	Not Started	3 hours	
			Call display() function in Election class	Not Started		
		As an election official, I want to see the PO election winner	Write the display() function in PO class Print out statements for the election	Not Started Not Started		
The PO election winner and stats displayed on the screen	012	and stats displayed on the screen at the end of the election, so that I can see the results.	1 IIII OUI SIGIEMENS IOI IIIE EIECHOII	Not Started Not Started	1 hour	
the to election within and stats displayed on the screen	012	50 mat 1 can see the results.	Process files, assign votes to candidates	Not Started Not Started	1 HOUI	
			Call determine winner/need for a tie	Not Started Not Started		
			The previous step determines a winner tie or not	Not Started Not Started		
Run the entire PO election	013	As an election official, I want the PO election to run correctly, so that a winner can be decided	Display results	Not Started Not Started	2 hours	
Kun the Chine FO election	013	correctly, so that a willier can be decided	Google File Choosers for Java, it provides a GUI for navigating the file system	Not Started Not Started	2 HOUIS	
			Resource: https://docs.oracle.com/javase/tutorial/uiswing/components/filechooser.html	Not Started Not Started		
		As an election official, I want to use a pop-up (GUI)	resource. https://docs.oracie.com/javase/unorial/unswing/components/ffiechooser.html	Not Started Not Started		
A GUI to select files	014	window to select files for processing, so that I can choose the right file(s) for each election.			4 hours	
A GOT to select files	014	the right me(s) for each election.		110t Starteu	T HOURS	