SPRINT	ID	USER STORY	MAIN TASK	TASK DESCRIPTION	PBI	TYPE	HOURS	STATUS	CREATION	ASSIGNED TO	LATEST UPDATE	CREATED BY
Sprint 1	US_001	As an election official I want the voting system to check for ties for both IR and CPL elections so that I can determine the final rankings of each candidate.	Resolve the checking for tie error for IRV election.	- The voting system should be unbiased and not favor any candidates. - The voting system should be able to break ties for IRV election based on specifications required in the event of a tie. - The voting system should be able to analyze and determine the final rankings in IRV election.	1	Development	1.5	Done		Cedric Tan		Cedric Tan
			Resolve the checking for tie error for CPL election.	- The voting system should be unbiased and not favor any parties. - The voting system should be able to break ties for CPL election based on specifications required in the event of a tie. - The voting system should be able to analyze and determine the final rankings in CPL election.	1	Development	1.5	Done		Cedric Tan		Cedric Tan
Sprint 1	US_002	As an election official I want the voting system to count ballots for both CPL and IRV election so that I can determine the total number of ballots for each candidate.	Resolve ballot counting error on IRV election.	- There is an issue with CountBallotTest.java for IRV as it did not return the correct ballot counts as expected. - There might need a bigger array size for ballot count variable. - The voting system should be able to count all ballots from each ballot file accurately. - The voting system should be able to identify the number of ballots for each candidate.	2	Development	1.5	Done		Cedric Tan		Cedric Tan
			Resolve ballot counting error on CPL election.	- There is an issue with CountBallotTest.java for CPL as it did not return the correct ballot counts as expected. - There might need a bigger array size for ballot count variable. - The voting system should be able to count all ballots from each ballot file accurately. - The voting system should be able to identify the number of ballots for each candidate.	2	Testing	1.5	Done		Bryan Lee		Cedric Tan
Sprint 1	US_003	As an election official I want the voting system to count ballots for CPL election so that I can determine the total number of ballots for each party.	Unit Testing for countBallot() function	- The feature must be able to count all valid ballots effeciently without any syntax or runtime errors. - The feature must be able to allocate valid ballots to each party. - The feature must be integrated with the rest of the voting system and is able to work as expected. - The feature must be thoroughly tested and must pass all test cases in both Unit Testing and Integration Testing. - The feature must meet all the acceptance criterias.	3	Testing	2	Done		Bryan Lee		Bryan Lee
Sprint 1	US_004	As an election official I want the voting system to determine the rankings of each party for an CPL election so that I can determine the winner of the CPL election.	Unit Testing for checkRanking() function for CPL election	- The feature can calculate the rankings of the candidates effeciently without any syntax or runtime errors. - The feature can identify ties in the rankings and calls finalRanking.java in the event of a tie. - The feature should be integrated with the rest of the voting system and is able to generate the rankings of all candidates. - The code should be clearly documented and easy to follow. - The feature should be tested and must pass all test cases in both Unit Testing and Integration Testing. - The feature must meet all the acceptance criterias.	4	Testing	2	Done		Bryan Lee		Bryan Lee
Sprint 1	US_005	As an election official I want the voting system to determine the rankings of the candidates for an IRV election so that I can determine the winner of the IRV election.	Unit Testing for checkRanking() function for IRV election	- The feature can calculate the rankings of the candidates effeciently without any syntax or runtime errors. - The feature can identify ties in the rankings and calls finalRanking.java in the event of a tie. - The feature should be integrated with the rest of the voting system and is able to generate the rankings of all candidates. - The code should be clearly documented and easy to follow. - The feature should be tested and must pass all test cases in both Unit Testing and Integration Testing. - The feature must meet all the acceptance criterias.	5	Testing	2	Done		Sherryl Ooi		Sherryl Ooi
Sprint 1	US_006	As an election official I want to the voting system to generate an audit file with the election information at a given time so that I can download it for verification and auditing purposes.	Unit Testing for generateAuditFile() function	- The feature must generate audit files efficiently without any syntax or runtime errors. - The code must be clearly documented and easy to follow. - The contents within the generated audit file must adhere to a given format as the specifications required and must be accurate. - The feature should be integrated with the rest of the voting system and is working as expected. - The feature must be thoroughly tested and must pass all test cases in both Unit Testing and Integration Testing. - The feature must meet all the acceptance criterias.	6	Testing	2	Done		Sherryl Ooi		Sherryl Ooi
Sprint 1	US_007	As an election official I would like the voting system to be able to read mulitple files during an election so that I can bring in different files from different balloting locations.	Develop function to read Mutiple files	- Modify existing readFile() function in fileSystem.java class to take in multiple flies with the correct file format. - The voting system should be able to read multiple ballot files in the correct file format. - The voting system should ensure that all ballot files being brought into the system is not modified. - The voting system should be able to check if there are any write-in candidates in each ballot file.	7	Development	2	Done		Bryan Lee		Bryan Lee
Sprint 2	US_008	As an election official I would like the voting system to bring in the election files with the option to input the date of the election so that I can manage the election efficiently without the need for manual data entry.	Develop option to input date of election	- Implement a GUI window in fileSystem.java for users to input date of election after bringing in election files. - The voting system should be able to import the needed information to run the election. - The graphical interface of the feature should be user-friendly and easily accessible. - The voting system should be able to handle unexpected data inputs and alert users for any inconsistencies.	8	Development	2	Done		Sherryl Ooi		Sherryl Ooi

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Sprint 2	US_009	As an election official I would like the voting system to allow users to select ballot files so that I can select specific files from a directory for the voting system to process.	Develop function to select ballot files from a directory	- Implement a GUI window in fileSystem.java which allows users to select specific files from a directory for file processing. - The voting system should include a window that appears at the start of the program. - The window should allow users to type in a file name or look for file(s) on disk using their mouse or arrow keys. - The graphical interface of the feature should be user-friendly and easily accesible so that users can easily navigate through their directory.	9	Development	2	Done		Bryan Lee		Bryan Lee
Sprint 2	US_010	As an election official I would like the voting system to be able to process election information from mulitple files during an election so that I can consolidate the election data for multiple ballot files.	Modify readFile() function to process multiple ballot files	- Modify the existing readFile() function to be able to integrate election data from multiple ballot files. - The voting system should be able to integrate election data from multiple ballot files. - The voting system should be able to check if the contents within each ballot file adheres to specifications.	10	Development	2	Done		Cedric Tan		Cedric Tan
Sprint 2	US_011	As an election official I want the voting system to validate the IRV ballots based on the requirements of the state election officials so that the voting system can remove any invalidated ballots and store them in a separate file for audit purposes.	Develop function for IRV ballots validation	- Implement a function that validates IRV ballots based on the requirementss of the state election officials and store invalidated ballots in a separate file for audit purposes. - The voting system should be modified to be able to validate IRV ballots based on updated specifications. - The voting system should identify and remove any invalidated ballots to preserve the accuracy and integrity of the election results. - The voting system should then store the invalidated ballots into a separate file for audit purposes.	11	Development	2	Done		Cedric Tan		Sherryl Ooi
Sprint 2	US_012	As an election official I want the voting system to be capable of performing both IRV and CPL types of voting so that the voting system has more flexibility in conducting elections.	Develop IRV and CPL voting	- The IRV and CPL algorithms are used in the voting system to run elections separately. - The voting system should be able to handle and run both elections accurately. - The voting system should be able to differentiate between IRV and CPL types of voting when reading the ballot file.	12	Development	2	Done		Cedric Tan		Cedric Tan
			System Testing for IRV and CPL voting system	- The feature can run both election types effeciently without any syntax or runtime errors. - The feature must be integrated with the rest of the voting system and works as the specifications required. - The code should be clearly documented and easy to follow. - The feature should be thoroughly tested and must pass all test cases in both Unit Testing and Integration Testing. - The feature must meet all the acceptance criterias.	12	Testing	2	Done		Bryan Lee		Cedric Tan
Sprint 2	US_013	As an election official I want the voting system to display a table illustrating each round of the IRV election so that I can see the change in the number of votes for each round.	Develop function to display tables showing each round of IRV election	- Modify displayResults.java to ensure that it works as the updated specifications required. - The voting system should display a table illustrating the number of votes that the candidate added/ subtracted for each round. - The voting system should display the table in an easily readible format to show a round-by-round analysis of votes. - The table should accurately reflect the results of the IRV election as implemented by the voting system.	13	Development	3	Done		Sherryl Ooi		Sherryl Ooi