Committed PBIs	Not started	In progress	Completed
User story 1			- Reuse the source code from the first project
User story 2	- Erase the code related to shuffling option - Call shuffling at the beginning of the vote counting process		
User story 3	- Redesign the interface to take only a file name - Redo the parseInput to read a new format of the input file		
User story 4	- Redesign the interface to read the file name from the command line - Redo the parseInput		
User story 6	- add the new function checkBallot in the Election class to check for the validity of a ballot - Modify the format of the audit file to store a list of invalidated ballots		
User story 9	- add the new function generateReport in the Election class to generate a short report of the election - use the generateReport function appropriately in main function - generate a message of success/failure after generating a report		
User story 7	- add the new function getBallot to accept		
User story 5	- change the constant of maximum number of ballots to 100,000 - test the program with large input file (100,000 ballots)		
User story 8	- add a new function printProgress in the election class to print out the progress of counting votes. - use the printProgress function in Plurality and Droop function appropriately		

User story 1	As the product owner, I want my program to be able to run the droop and plurality algorithms to ensure the equity of the election.
Acceptance criteria	1. Accept only the CSV file generated from Linux machine 2. Validate information in the .csv file 3. Generate a message of success/failure 4. Store the result to the output file 5. Store the vote counting process to the audit file
Effort	medium

User story 2	As an election official, I do not want the program to ask about shuffle or no shuffle because the program should be able to shuffle without user having to turn on and off the shuffle
Acceptance criteria	1. Consistently give the correct result of the election 2. The program does not ask users for shuffling option 3. Program should set shuffle to default
Effort	Small

User story 3	As an officer, I want the new interface that accepts only a file name of csv file so that I don’t have to type in all information.
Acceptance criteria	1. The program ran with the correct result as the old interface 2. Validate the input file name 3. Generate a message of success/failure
Effort	small

User story 4	As an election officer, I want to have an ability to run the program using command line argument in case I don’t want to use the interface.
Acceptance criteria	1. The program ran with the correct result 2. Validate the input file name 3. Generate a success/failure message
Effort	small

User story 5	As the product owner, I want the program to be able to handle 100,000 ballots so that I can use it for a local election.
Acceptance criteria	1. Number of ballots should not exceed 100,000 2. The program gives the correct result with 100,000 ballots. 3. The program runs in acceptable amount of time.
Effort	medium

User story 6	As an election officer, I want the program to be able to process invalidated ballots so that I don’t have to do it at the time of the ballot collection.
Acceptance criteria	1. Store a list of invalidated ballots in an audit file 2. Ensure that invalidated ballots do not get distributed 3. The program does not break with invalidated ballots 4. Validate that the ballot has at least half of the candidates ranked
Effort	medium

User story 7	As an election official, I want to be able to see ballots and inputs on the screen directly into the program so that I don't have to parse the ballots.
Acceptance criteria	1. Accept ballots from Linux machines 2. Ballots are correctly printed onto the screen after reading input file 3. Generate a message of success/failure
Effort	medium

User story 8	As an election official, I want to see the progress of distributing votes on the screen as it’s running so that I will be able to know the status of each candidate as well as each ballot
Acceptance criteria	1. Votes distribution is printed on the screen 2. A list of ballots associated with each candidate is printed on the screen 3. A list of winners is printed on the screen 4. A list of losers is printed on the screen
Effort	large

User story 9	As an election official, I want the program to generate a short report which contains the date, type of election (i.e. droop or plurality), the candidates, the number of seats, and the winners of the election so that I can give it to the election certification officials
Acceptance criteria	1. Generate a message of success/failure of creating a report file 2. A report with all required information is generated at the end 3. A report has an extension of .txt
Effort	large