

Priority: High 

User stories	To do	In progress	Complete
#1: As the product owner, I want the OPL, audit process, and election results to be accurate. In other words, the current handling of the OPL needs to be fixed, so the election can operate properly.			<div>Fix Audit() OPL when tie occur, make sure Audit() are fully tested</div> <div>Update UnitTest</div> <div>Test Log for OPL</div>
#2: As the product owner, I want the CPL, audit process, and election results to be accurate. In other words, the current handling of the CPL needs to be fixed, so the election can operate properly.			<div>Fix Audit() CPL when tie occur, make sure Audit() are fully tested</div> <div>Update UnitTest</div> <div>Test Log for CPL</div>
#3: As the product owner, I want the report.ExportToAuditFile() function for OPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Fix ExportToFile() OPL, include votes a candidate or party had, order of ballot of being received</div> <div>Check Automatic & Manual Test</div>
#4: As the product owner, I want the report.ExportToAuditFile() function for CPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Fix ExportToFile() CPL, include votes a candidate or party had, order of ballot of being received</div> <div>Check Automatic & Manual Test</div>
#5: As the product owner, I want the report.Display() function for OPL to get fixed. Currently, the function is NOT displaying error and has some errors (e.g. columns not aligned, missing of information to users).			<div>Fix OPL Display</div> <div>Does Manual Test</div> <div>Change the Display Format</div>
#6: As the product owner, I want the report.Display() function for CPL to get fixed. Currently, the function is NOT displaying error and has some errors (e.g. columns not aligned, missing of information to users).			<div>Fix CPL Display</div> <div>Does Manual Test</div> <div>Change the Display Format</div>
#7: As the product owner, I want the report.ExportToAuditFile() function for OPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Adding Unit Tests Implementation</div> <div>Adding the UnitTest for party class of Adding Ballot Id</div> <div>Adding test of efficiency to opl</div> <div>Adding tiebreaker tests for candidates and parties tied at the same time for opl</div>
#8: As the product owner, I want the report.ExportToAuditFile() function for CPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Adding Unit Tests Implementation</div> <div>Adding the UnitTest for party class of Adding candidate</div> <div>Adding test of efficiency to opl</div> <div>Adding test of tiebreaker for parties</div>
#9: As the product owner, I want the report.Display() function for OPL to get fixed. Currently, the function is NOT displaying error and has some errors (e.g. columns not aligned, missing of information to users).			<div>Adding Unit Tests Inputs</div> <div>Adding System Test Inputs</div> <div>Adding tests of tiebreaker for candidates</div>
#10: As the product owner, I want the report.Display() function for CPL to get fixed. Currently, the function is NOT displaying error and has some errors (e.g. columns not aligned, missing of information to users).			<div>Documentation Doxygen</div> <div>Researching NANOGUI for our nice graphical user interface</div> <div>Error Checking if File Selected is not in Correct Format (VotingSystemController)</div>
#11: As the product owner, I want the report.ExportToAuditFile() function for OPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Adding MVC model to Voting System</div> <div>Design GUI (xml or using Graphical Library) for File Search</div> <div>Refactoring terminal UI functionalities</div>
#12: As the product owner, I want the report.ExportToAuditFile() function for CPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Implementing GUI functionalities (e.g. button.OnSelect())</div> <div>Manually testing GUI</div> <div>UnitTest and Test Logs</div>
#13: As the product owner, I want the report.ExportToAuditFile() function for OPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Design GUI (xml or using Graphical Library) for Naming File and Save File</div> <div>Error Checking if the file is existed after saving</div> <div>Implementing GUI functionalities (e.g. button.OnSelect())</div>
#14: As the product owner, I want the report.ExportToAuditFile() function for CPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Error Checking if the saving File Format is not in Correct Format (VotingSystemController)</div> <div>Manually testing GUI</div> <div>UnitTest and Test Logs</div>
#15: As the product owner, I want the report.ExportToAuditFile() function for OPL to get fixed. Currently, the function is NOT exporting information (e.g. how many votes a candidate or party had, order of ballot of being received).			<div>Refactoring terminal UI functionalities</div>
#16: Audit file includes related information	<div>Report () of candidates, number of votes and winners</div> <div>Update the Audit() that send additional information to Report</div>	<div>Update UnitTest for Audit()</div>	<div>Update UnitTest for Audit()</div>
#17: A short report is printed out and given to the election officials	<div>Adding Unit Test and Test Log</div> <div>Manually Test the Short Report</div>	<div>Implementing ExportShortReport() for OPL</div> <div>Implementing ExportShortReport() for CPL</div> <div>Documenting (Doxygen)</div>	
#18: Test time manner	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	
#19: Input Ballot in Terminal	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	
#20: Handle errors for input ballot	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	
#21: Able to stop input ballot from terminal	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	<div>Adding Unit Test and Test Log</div> <div>Adding Unit Test and Test Log</div>	