Bug #	Description of Bug (be specific about what is not working)	Location of Bug (file, class, method, etc)	Steps to Recreate Bug and/or Test Case #	Root Cause Analysis Notes
1	Runtime constraints: When running 100,000 ballots for IR, our runtime is over 4 minutes (4:30 mins to 5:30 mins)	Possible in IR_Audit_file.java and IR.java	Put the path name of IR_test.csv file. Run the program from Election.java	Most of the time is because of writing to audit file.
2	coinToss() generate to return that should pass half of the time for IR election	Possible in the IR.java where the coinToss() get called in run() and makeLoser().	Run the IR_ElectionTest.java multiple time to see the result.	Because the function is creating a 50/50 chances so half of the time it shouldn't pass the expected result.
3.	poolSelect(): same logic with coinToss() with possible chance of passing is ⅓.	Possible in the IR.java where the coinToss() get called in run() and makeLoser().	Run the IR_ElectionTest.java multiple time to see the result.	Because the function is creating a 50/50 chances so half of the time it shouldn't pass the expected result.