

Team 7: Bug List (as of 3/29)

Progress (Resolved, Unresolved)	Description of Bug (be specific about what's not working)	Location of Bug (file, class, method, etc.)	Steps to Recreate Bug and/or Test Case #	Root Cause Analysis Notes	If Resolved, How?
unresolved	readBallots reads a space in front of names	IR.cc closedpartylist.c c readBallots	Read a ballot	Ballot names are often supplied with spaces around the names, which makes readBallots also read those spaces. Currently not a large issue, just need to account for it in testing.	
resolved	CPL not correctly identifying highest remainder	Closedpartylist. cc assignSeats()	Remove party names	Party names were not being correctly set, so all were equal to nothing	Set the party names at the start of runElection
resolved	Audit file written to wrong location	makeAuditFile()	Run the program with any valid ballot file	There is changing of directories throughout the system, so when the writeToAuditF ile() function is called, it looks for the audit file but it's not there	There are many directory changes throughout the system and they now line up with the location of the audit file
resolved	Duplicate audit file	makeAuditFile() writeToAuditFile	Run the program with	Similar to the bug above,	There are many

	created	()	any valid ballot file	since the writeToAuditFile does not find an audit file after changing directories, it creates its own outside of the misc/AuditFiles folder	directory changes throughout the system and they now line up with the location of the audit file so a new audit file is not created
unresolved	Audit file writes append to existing audit files	writeToAuditFile()	Run the program with any valid ballot file	If the election system runs more than once per day, the audit file will not differentiate between the elections run. This is because the audit file is named using the type of election and the date, so if there are two elections of the same type, it will append to the existing audit file.	
resolved	CPL Random not randomizing between runs	Closedpartylist.cc breakTie()	Remove setting random seed at time(0)	Random values were being done at compile time instead of	Set a random seed at time(0) makes the runs different.
resolved	IR runElection currently has a segmentation fault	ir.cc runElection()	Run the IRTTest.cc file. The test is: IRRunElectionTest	It seems that the changing of directories in the readBallots function impacts the	

				directory that runElection runs from.	
Resolved	MakeFile not creating executable for Test files	Project1, ./testing/execut ables	Makes still run and sets the executable for start but ignores the test files	Not properly linking all the proper files	Making sure all the files that are required to run each test are properly linked in the required format
Unresolved	CPL not correctly identifying highest remainder	getHighestRem ainder() in closedpartylist.c c	Run CPLAssignS eatsTest	Something to deal with remainder calculations (10 ballots, 3 seats but only 2 seats assigned)	