

	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	“make gui” cannot be run without the package “libgtkmm-3.0-dev” installed on the system, which at time of writing, the lab machines do not have.	N/A	Run “make gui” without “libgtkmm-3.0.dev” installed.	Misunderstanding of what packages do what (The lab machines have the package to run gtkmm software, not to compile - no simple way to have known this in advance, unfortunately.
2	CPL sometimes did not assign seats to the parties with the highest votes. By the time the bug was found, CPL sometimes did not assign seats to the parties with the highest votes. Debugging was conducted, yet it is still unclear whether the bug still exists or not. However, at least for now, the bug no longer appears when testing with 9 given CPL test files.	In ‘CPL’	Run the program, choose an input file for CPL, and run through the end	Flaws in logic
3	Audit file cannot be named with slashes	Audit file, Controller class, Election class	Run the program, enter a date with slashes, and run to completion - no audit file will be generated.	Careful input parsing is not conducted; the OS will consider the slashes a file path to multiple directories rather than a name.
4	Malformed input election files are not handled and can cause segmentation fault	Audit file, Controller class, Election class	Run the program with a malformed election file (improper ascii, not correct formatting, etc.)	Careful file reading is not conducted; there was simply not enough time and program specifications did

				not make accommodations for improper election files. Lines can be expected by any number of parts of the program logic and not found.
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