

## Bug list for Voting System

### Team 1

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Bug #	Bug Description (Specifics 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	When going through UI prompts before election is processed if you press 'h' to move to the help screen then 'x' to exit out the help screen the program prompt starts at the beginning. It should bring you to where you were last.	UI.java	<ul style="list-style-type: none"><li>- Run UI.java</li><li>- Enter in 1 or 2 to select voteType</li><li>- Enter 'h' to enter help window</li><li>- Enter 'x' to exit help window</li><li>- You are now brought back to selecting voteType, should have returned you to the prompt to enter the number of seats to fill.</li></ul>	Root cause was determined to be lack of clarity in our design document. Would be a planned enhancement for next iteration.
2	An election is able to be run for 0 seats. This is not so much a bug, but a point that wasn't able to be clarified at this point for how to handle this.	UI.java	<ul style="list-style-type: none"><li>-Run UI.java</li><li>- Enter in 1 for vote type</li><li>- Enter in 0 for number of seats</li></ul>	Root cause is simply that this edge case was not discussed. It may not necessarily be a bug, but to be verbose, we are including it here. Realistically we wouldn't want to process an election with 0 seats.
3	You can enter through the files input prompt without entering any information and the program moves onto the confirm input prompt.	UI.java	<ul style="list-style-type: none"><li>-Run UI.java</li><li>- Enter in 1 for vote type</li><li>- Enter 2 for number of seats</li><li>- At the files prompt, simply press enter</li></ul>	Root cause is that the file prompt does not check to verify that the system input string isn't just an empty string.
4	The user can enter the same file multiple times while in the enter files prompt. This leads to the same ballots being counted multiple times (explicit number of times the	UI.java	<ul style="list-style-type: none"><li>-Run UI.java</li><li>-Enter in a valid vote type</li><li>-Enter in a valid number of seats to fill.</li><li>-At the files prompt enter a valid file more than once,</li></ul>	Root cause is that our design assumed perfect play between the UI and the user and that the user who would be confirming the file names

	ballot is being reused correlates to how many times the same file is entered in this prompt).		press enter and you're moved along to the confirm screen.	at the last prompt would catch this error. Our team decided this was a bug since ballots should never be counted more than once, even if the system was told the information was accurate.
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