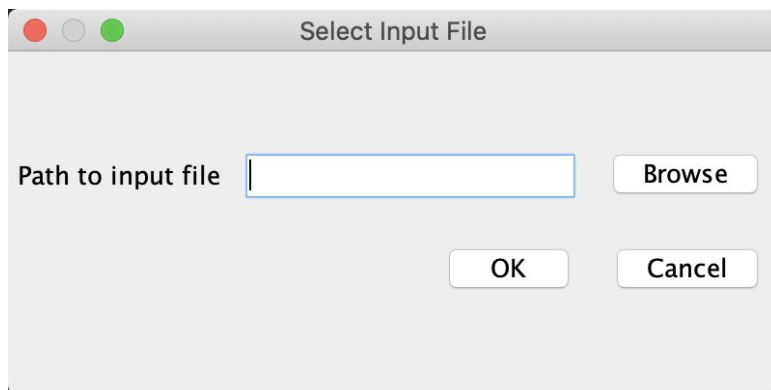
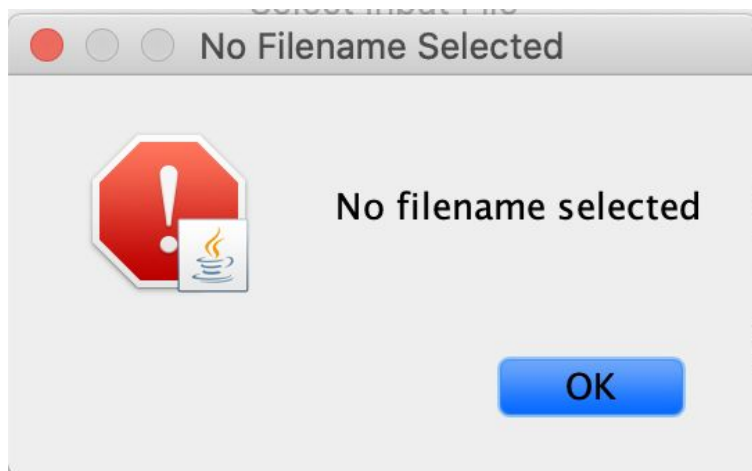


This program should be run from the executable JAR PerfectCandidate.jar. When you run the program from a Mac, you will be introduced to the following prompt:



If you click on the red button or the cancel button, then you will exit from the program. If you click on the green button, the input prompt will expand to fill the screen. If you click the OK button before entering an appropriate file, then the following message will appear:

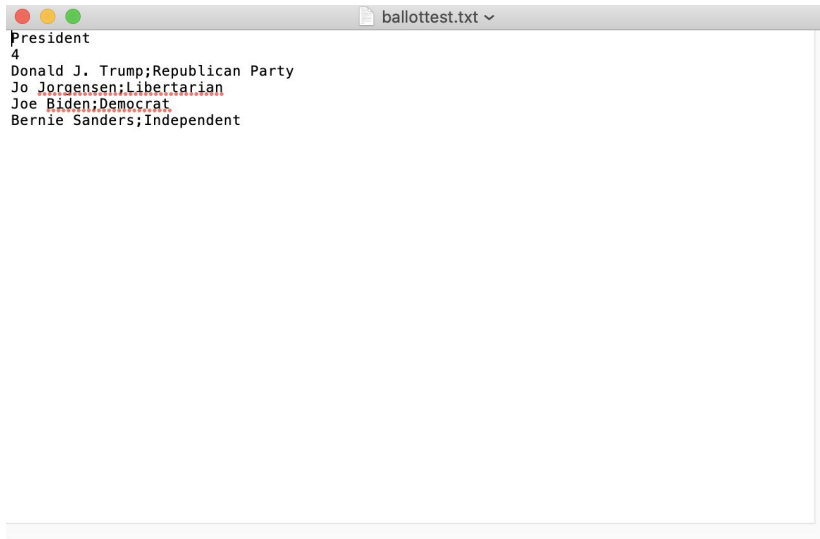


You will be able to return to the previous screen if you click on the OK button. If you click on the red circle at this point, then you will exit from the program.

You can either search for your file or input the path to the file in the search tab. If you do not input a properly formatted text file, including a non .txt file, then the following error message will appear:



You must insert a .txt file in the following format to prevent an Exception:



```
President
4
Donald J. Trump;Republican Party
Jo Jorgensen;Libertarian
Joe Biden;Democrat
Bernie Sanders;Independent
```

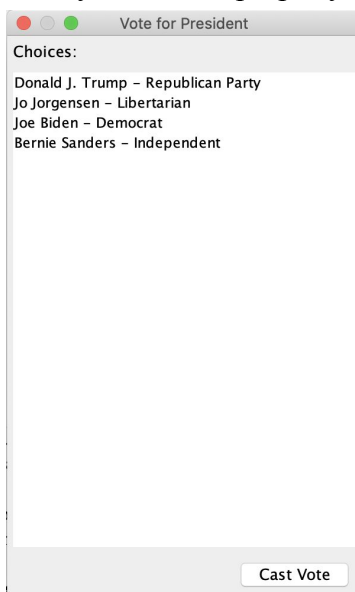
The first line of the .txt file lists the name of the office the candidates are running for.

The second line contains the number of candidates running for office.

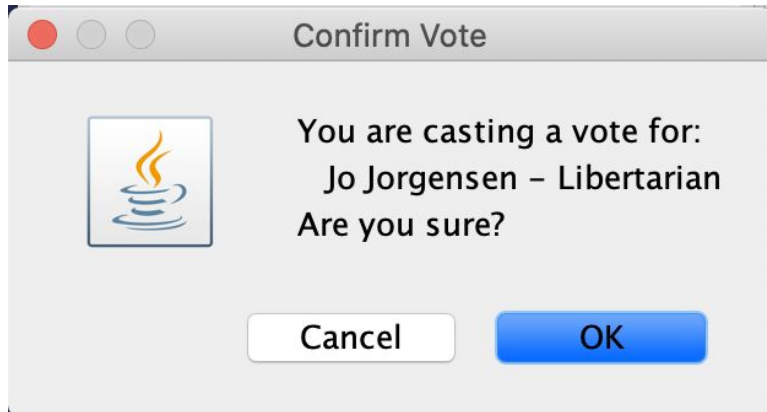
Each proceeding line contains the candidate's name and their affiliation, separated by a semicolon. It is important to note that there are no spaces separating the name and affiliation, only a semicolon.

If you do not input the .txt file in the format listed above, then the program will not run properly, and likely crash.

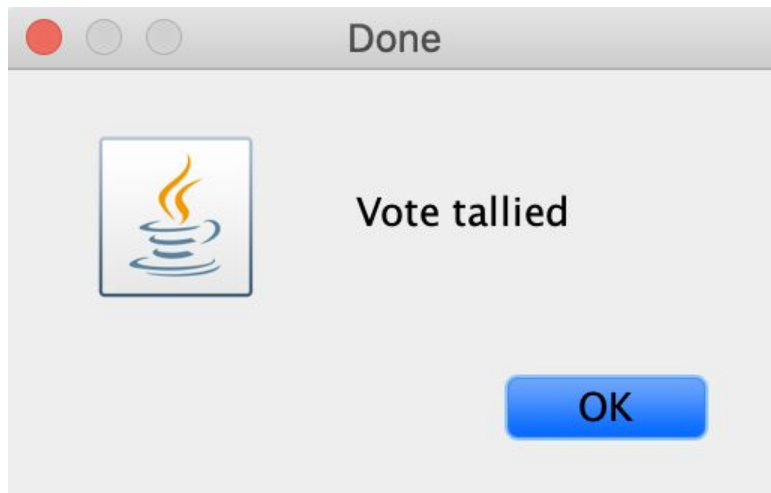
After you select a properly formatted input file, the following will appear:



Once again, you have the option to exit the program by clicking on the red button or filling the screen by clicking on the green button. Now you are ready to begin the balloting! When a user is ready to vote, all they need to do is to click on the name of the individual they want to vote for, then click on the Cast Vote button. After clicking on the Cast Vote button, the following will appear to verify the user's vote:



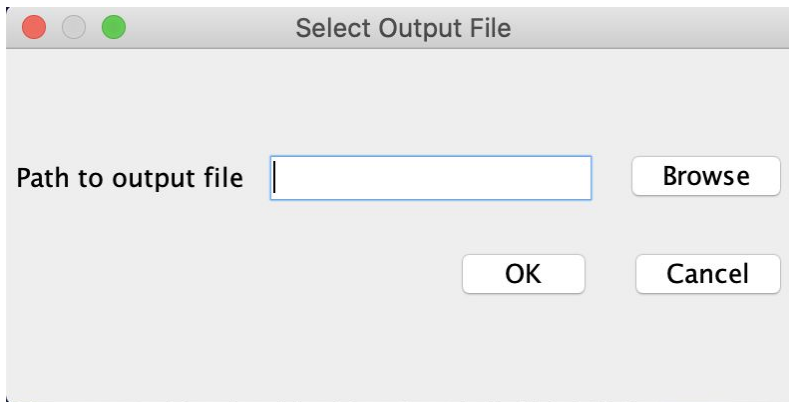
In this example, the user voted for Jo Jorgensen - Libertarian Party. If this was a mistake, then the user can return to the list of candidates and change their vote by clicking on Cancel or the red button. After the user confirms their vote by clicking the OK button, the following message will appear:



After clicking OK or the red button, your screen will return to the list of candidates for another user to vote. After the voting is concluded, then you can exit by clicking on the red button from the screen containing the list of candidates:



If you are not done balloting, then you can click on no or the red button. If you click Yes, then the following will appear to write your results to an output file:



Similarly to the input file, you can browse a path to the output file, or write the name of the output file. Once again, the green button will fill the widget to the entire screen. If you do not want to write the results to a file, then you can click on the cancel button or the red button.

It is important to note that you must write your output file to a .txt file. Otherwise, you will not be able to open the output file. After you write your output file, click OK, and find your output file, you should expect to see the output file in the following format:

RESULTS - President		RESULTS - President	
-----		-----	
Donald J. Trump - Republican Party	0	Donald J. Trump - Republican Party	1
Jo Jorgensen - Libertarian	0	Jo Jorgensen - Libertarian	1
Joe Biden - Democrat	0	Joe Biden - Democrat	1
Bernie Sanders - Independent	1	Bernie Sanders - Independent	1
WINNER: Bernie Sanders - Independent		NO WINNER	

Notice that if there is a winner, then the last line of the file will list the winner. Otherwise, if there is no winner, then the file will write "NO WINNER."