Production Backlog (Redo)

Priority	Estimate	Sprint	User Type	Story
1	Small	1	Official	I want the OPL and IRV algorithms to work fully. Acceptance Criteria: -Both OPL and IRV algorithms output the correct winner and an audit file is created showing how the election progressed. -OPL and IRV work as described in project 1 When Done?: -OPL and IRV algorithms have been fully tested for bugs -Code documented and with means to maintain it
2	Medium	1	Official	I want invalidated ballots to be removed from the IRV election when run by the software system with a file created to store invalid ballots. At least half of candidates need to be ranked for a ballot to be valid. Acceptance Criteria: -A invalid ballots file is created with all invalid ballots -Invalid ballots are successfully determined and removed from the election. When Done?: -Test to make sure file is successfully created with correct content -IRV election successfully runs with invalid ballots removed
3	Large	1	Official	I want to see a table of how the election progressed each round during an IRV election. Table will be displayed to the screen with important information Acceptance Criteria: -A table is created which shows each round of IRV with the table being displayed to the screen -Table contains correct data which accurately reflects the rounds of the IRV election When Done?: -Table is tested to make sure correct information is outputted -Agreement on what the table looks like -Table clearly displayed
4	Small	1	Official	I want to input a file as a command line argument when running election Acceptance Criteria: -Can input a file as a command line argument and election will parse it and run successfully -Election will parse the file and output correct winner When Done?: -Test to make sure input file is parsed successfully -Tested with various input files

5	Small	1	Official	I want a text prompt for input file to show if no command line arguments are given. Acceptance Criteria: -A prompt is given if no command line argument is given -Prompt will take a file and use that for the election -Successfully parses through file and output the winner When Done?: -Tested to make sure user can input a file through the text prompt -Tested to make sure election will successfully run with that file
6	Large	1/2	Official	I want a GUI to input the file. A window should appear for user to type in file. Acceptance Criteria: -A GUI pops up with a place to input a file -Algorithm will successfully take that file as input and parse it -Correct winner is outputted When Done?: -Tested and documented to make sure GUI pops up with a place to input file -Tested to make sure election runs as expected with this method
7	Small	2	Official	I want the software to handle upwards of 10000 ballots. Acceptance Criteria: -Election can handle upwards of 10000 ballots in a reasonable time with no errors When Done?: -Tested with large amounts of ballots to make sure no issues occur
8	Medium	2	Official	I want a short report file to be created that has the date, type of election the candidates, the number of seats, winners, and any other pertinent information. Acceptance Criteria: -An additional audit file is created that is a short report -Report contains date, election type, candidates, number of seats, and the winners When Done?: -Tested to make sure file is created with correct information -Creation of file is agreed upon on team

9	Large		2	Official	I want to be able to have ballot inputs on the screen directly to the program. There should be a nice GUI to input ballots with a way to tell what kind of election, number of candidates, etc. Acceptance Criteria: -A GUI is created where ballots can be inputted -GUI contains information about the election such as type, candidates, etc. -After all ballots are given, election runs normally When Done?: -Tested to make sure GUI works properly -Tested to make sure election runs as expected with this method -GUI displays correct information