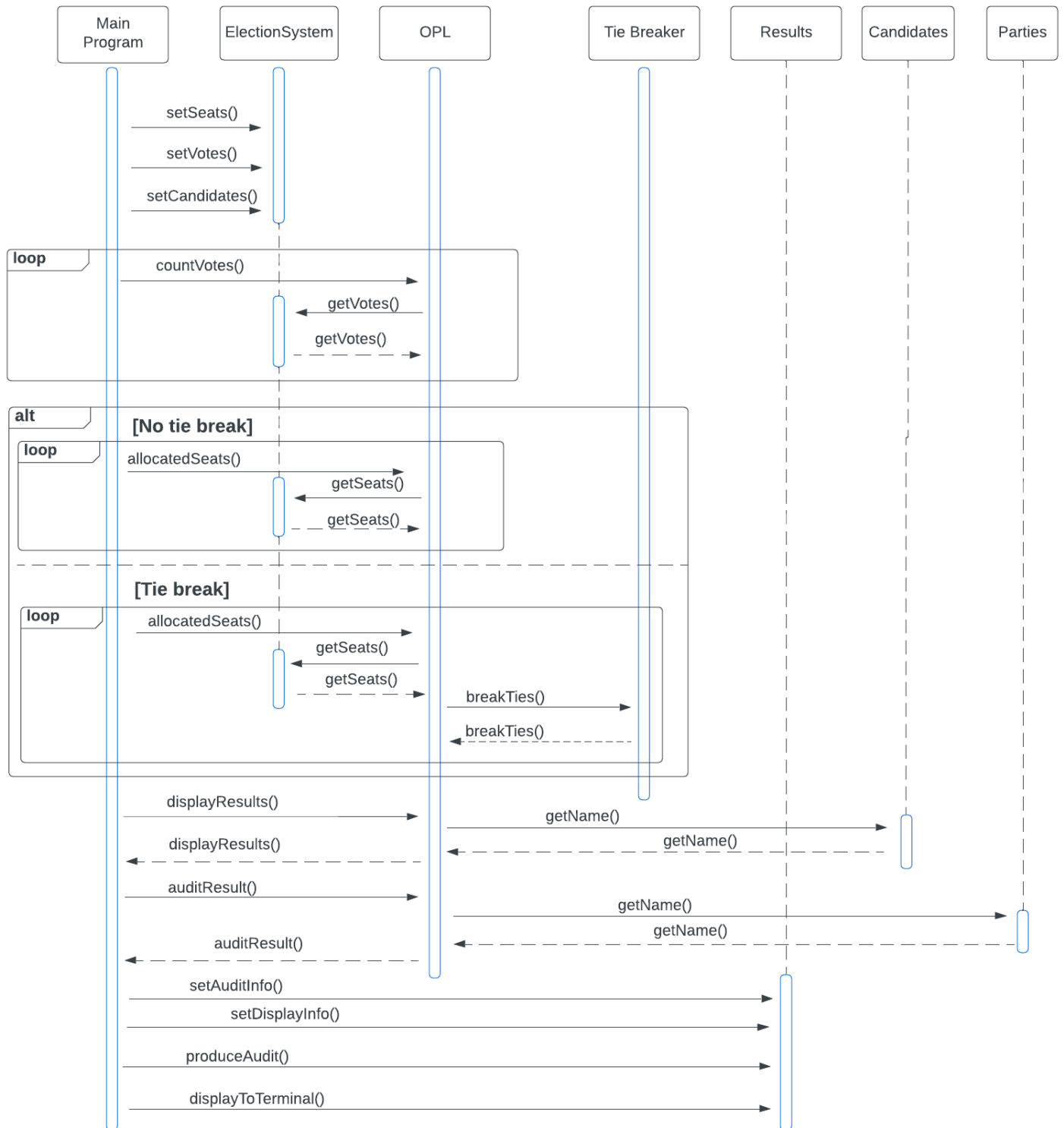


Team 7

SDD Sequence Diagram (OPL Election file in system to winner declared)



Overview:

The sequence diagram outlines the flow of operations for the OPL voting system. The main program initializes the process by setting up the ElectionSystem with the necessary parameters. The system then enters a loop where votes are counted. getVotes method is only executed once in the loop. Afterward depending on whether there is a tie the system will either directly allocate seats or enter a tie-breaking process before seat allocation occurs.

Once the seats are allocated, the results component retrieves the necessary information and prepares the display and audit information. Afterward, the results component outputs the display information to the terminal.