

4.5 Running the Closed Party Voting System

Name:	Close Party Voting System
ID	UC_005
Description	The program has finished processing ballot and determined to process it as a closed party voting system. The winning candidates, seat distribution for parties, tie breakers, and lottery will occur.
Actors	Election officials, testers, and programmers.
Organizational Benefits	Effectively conduct a process for the close party voting system in a correct manner.
Frequency of Use	<p>If no errors have occurred, it will be run multiple times during the year at normal election times and special elections. This is as often as the close party voting system is indicated.</p> <p>It will be run multiple times by testers and programmers.</p>
Triggers	The ballot use case has finished processing the ballot file and is a closed party ballot system.
Preconditions	Ballot has successfully been processed
Postconditions	The status of IR is done with seat allocation distributed to candidates among majority parties.
Main Course	<ol style="list-style-type: none">1. The system gathered ballots percentage for each party (see the processing ballots use case).2. Distribute seats to party based on the percentages of parties (EX1).3. In the case that there is an odd seat that is distributed to two party tied for the seat, tiebreaker (see the use case breaking a tie).

	<ol style="list-style-type: none"> 4. Assign the winning candidates from the assigned party to the seat from the order of candidates as listed in the ballot. 5. In the case there is a seat overflow, do a lottery for the seats (see the use case CPL Lottery). 6. Once all winner has been determined for the seats, display the results (see results screen use case). 7. Produce an audit file (see producing an audit file use case)
Alternate Course	There is no alternative course for the closed party listing.
Exceptions	<p>EX1 System gets a percentage out of range (0,100%)</p> <ol style="list-style-type: none"> 1. System notified user that an error has occurred