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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** Test\_393\_09\_01 | **Name(s) of Testers:** Aaron Kandikatla |
| **Test Description:**  Given a standard election with candidates, parties, ballots, and seats. After the initial allocation is completed, tests that allocateRemainingSeats allocates remaining seats and writes the allocation process to file properly |  |
| **Automated:** Yes | **Indicate where you are storing the tests (what file) and the name of the method/functions being used:**  Test file: Project1/src/test/org/team19/OpenPartyListSystemTest.java  Test method: testAllocateRemainingSeatsTypical  Method/constructor being tested: allocateRemainingSeats from Project1/src/main/org/team19/OpenPartyListSystem.java |
| **Results:** Pass |  |
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| **Preconditions for Test:**  There exists a file called allocate\_remaining\_seats\_typical\_audit\_expected.txt in testing/test-recources/openPartyListSystemTest/ which represents the expected output and the system is able to open and read the file. | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Tests that allocateRemainingSeats remaining seat to party D which has the highest remaining ballot count after initial allocation | 2 / 3 seats allocated  1 seat remaining  Parties - ballots:  D:  2 remaining ballots  1 seat  R:  0 remaining ballots  1 seat  I:  1 remaining ballot  0 seats  Candidates:  Foster (D)  Pike (D)  Deutsch (R)  Jones (R)  Borg (R)  Smith(I) | allocate\_remaining\_seats\_typical\_audit\_expected.txt matches the file written by allocateInitialSeats | allocate\_remaining\_seats\_typical\_audit\_expected.txt matches the file written by allocateInitialSeats | N/A |

**Post condition(s) for Test:**

N/A 