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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 03/14/2021 |
| **Test Case ID #:** Test\_397\_09\_01 | **Name(s) of Testers:** Aaron Kandikatla |
| **Test Description:**  Given a standard OPL election with candidates, parties, ballots, and seats, where the initial allocation and second allocation have occurred, tests that distributeSeatsToCandidates performs accurately |  |
| **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: testDistributeSeatsToCandidatesTypical Method/constructor being tested: distributeSeatsToCandidates from Project1/src/main/org/team19/OpenPartyListSystem.java |
| **Results:** Pass |  |
|  |  |
| **Preconditions for Test:**  There exists a file called testDistributeSeatsToCandidatesTypical.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 distributeSeatsToCandidates accurately distributes seats as shown in the expected txt file testDistributeSeatsToCandidatesTypical.txt | Parties:  D – 2 seats  R – 1 seat  I – 0 seats  Candidates:  Foster (D) – 3 ballots  Pike (D) - 2  Deutsch (R) - 0  Jones (R) - 1  Borg (R) - 2  Smith (I) - 1 | testDistributeSeatsToCandidatesTypical.txt matches the file written by distributeSeatsToCandidates | testDistributeSeatsToCandidatesTypical.txt matches the file written by distributeSeatsToCandidates | N/A |

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

 N/A