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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** Test\_391\_09\_04 | **Name(s) of Testers:** Aaron Kandikatla |
| **Test Description:**  Given a standard OPL election with candidates, parties, ballots, and seats, where a sole candidate of a party receives all the vote, allocateInitialSeats writes to file the proper  formatted string representing the initial allocation process |  |
| **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: testAllocateInitialSeatsSingleCandidateHasAllVotesOutput Method/constructor being tested: allocateInitialSeats from Project1/src/main/org/team19/OpenPartyListSystem.java |
| **Results:** Pass |  |
|  |  |
| **Preconditions for Test:**  There exists a file called allocate\_initial\_seats\_single\_candidate\_has\_all\_votes\_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 the output written by allocateInitialSeats matches the text allocate\_initial\_seats\_single\_candidate\_has\_all\_votes\_audit\_expected.txt | Parties - ballots:  D, R , I  Candidates:  Foster (D) – 0 ballots  Pike (D) – 0 ballots  Deutsch (R) – 0 ballots  Jones (R) – 0 ballots  Borg (R) – 0 ballots  Smith (I) – 100 Ballots | allocate\_initial\_seats\_single\_candidate\_has\_all\_votes\_audit\_expected.txt matches the file written by allocateInitialSeats | allocate\_initial\_seats\_single\_candidate\_has\_all\_votes\_audit\_expected.txt matches the file written by allocateInitialSeats | N/A |

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

 N/A