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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** Test\_390\_09\_03 | **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, seats are properly allocated. |  |
| **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: testAllocateInitialSeatsSingleCandidateHasAllVotes Method/constructor being tested: allocateInitialSeats from Project1/src/main/org/team19/OpenPartyListSystem.java |
| **Results:** Pass |  |
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| **Preconditions for Test:**  N/A | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Tests that Party I, which has only one candidate but all the votes, receives only 1 seat despite receiving all the votes | Parties - ballots:  D, R , I  Candidates:  Foster (D) – 0 ballots  Pike (D) – 0 ballots  Deutsch (R) – 0 ballots  Jones (R) – 0 ballots  Smith (I) – 100 Ballots | 1 | 1 | N/A |
| 2 | Tests that there are 3 seats remaining after Party I is allocated 1 seat | Parties - ballots:  D, R , I  Candidates:  Foster (D) – 0 ballots  Pike (D) – 0 ballots  Deutsch (R) – 0 ballots  Jones (R) – 0 ballots  Smith (I) – 100 Ballots | “3 seats remaining” | “3 seats remaining” | N/A |
| 3 | Tests that parties D and R are the only remaining parties since party I’s sole candidate has already been allocated a seat | Parties - ballots:  D, R , I  Candidates:  Foster (D) – 0 ballots  Pike (D) – 0 ballots  Deutsch (R) – 0 ballots  Jones (R) – 0 ballots  Smith (I) – 100 Ballots | [“D”, “R”] | [“D”, “R”] | N/A |

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

 N/A