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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** Test\_392\_09\_05 | **Name(s) of Testers:** Aaron Kandikatla |
| **Test Description:**  Given a standard OPL election with candidates, parties, ballots, and seats, where the ballots are not evenly divisible by the quota, 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: testAllocateInitialSeatsBallotsNotEvenlyDivisibleByQuota Method/constructor being tested: allocateInitialSeats from Project1/src/main/org/team19/OpenPartyListSystem.java |
| **Results:** Pass |  |
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| **Preconditions for Test:**  There exists a file called allocate\_initial\_seats\_ballots\_not\_evenly\_divisible\_by\_quota\_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 in allocate\_initial\_seats\_ballots\_not\_evenly\_divisible\_by\_quota\_audit\_expected.txt | Parties - ballots:  D, R , I  Candidates:  Foster (D) – 1 ballot  Pike (D) – 2 ballots  Deutsch (R) – 1 ballot  Jones (R) – 2 ballots  Borg (R) - 2  Smith (I) – 5 Ballots | allocate\_initial\_seats\_ballots\_not\_evenly\_divisible\_by\_quota\_audit\_expected.txt matches the file written by allocateInitialSeats | allocate\_initial\_seats\_ballots\_not\_evenly\_divisible\_by\_quota\_audit\_expected.txt matches the file written by allocateInitialSeats | N/A |

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

 N/A