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| **Project Name: Project 1: CompuVote Team#19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** test\_313\_09\_runElection\_02\_testRunElectionMoreSeatsThanCandidates | **Name(s) of Testers:** Aaron Kandikatla |
| **Test Description:**  Given a standard OPL election with candidates, parties, and ballots where there are more seats than total candidates, tests that the runElection algorithm works and outputs the expected audit file and report file  Note: If the test fails, the files generated are not deleted at the end. |  |
| **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: testRunElectionMoreSeatsThanCandidates  Method/constructor being tested: runElection from Project1/src/main/org/team19/OpenPartyListSystem.java |
| **Results:** Pass |  |
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| **Preconditions for Test:**  There exists a file called run\_election\_more\_seats\_than\_candidates\_audit\_expected.txt and another file called run\_election\_more\_seats\_than\_candidates\_report\_expected.txt in testing/test-recources/ openPartyListSystem / which represents the expected outputs and the system is able to open and read the files. | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Tests that the audit file generated by runElection() matches the expected audit file exactly | Number of seats: 14  Grouping by Party:  Party: D  Foster  Pike  Party: R  Deutsch  Jones  Borg  Party: I  Smith | run\_election\_more\_seats\_than\_candidates\_audit\_expected.txt matches the audit file generated by runElection | run\_election\_more\_seats\_than\_candidates\_audit\_expected.txt matches the audit file generated by runElection | N/A |
| 2 | Tests that the report file generated by runElection() matches the expected report file exactly | Number of seats: 14  Grouping by Party:  Party: D  Foster  Pike  Party: R  Deutsch  Jones  Borg  Party: I  Smith | run\_election\_more\_seats\_than\_candidates\_report\_expected.txt matches the report file generated by runElection | run\_election\_more\_seats\_than\_candidates\_report\_expected.txt matches the report file generated by runElection |  |

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

N/A