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| **Project Name: Project 1: CompuVote Team#19** | |
| **Test Stage:** Unit | **Test Date:** 03/14/2021 |
| **Test Case ID #:** test\_312\_09\_runElection\_01\_testRunElectionTypical | **Name(s) of Testers:** Aaron Kandikatla |
| **Test Description:**  Given a standard OPL election with candidates, parties, and ballots, 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: testRunElectionTypical  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\_typical\_audit\_expected.txt and another file called run\_election\_typical\_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: 3**  Party: D  Foster – 3 votes  Pike – 2 votes  Party: R  Borg – 2 votes  Jones – 1 vote  Deutsch – 0 votes  Party: I  Smith- 1 vote | run\_election\_typical\_audit\_expected.txt matches the audit file generated by runElection | run\_election\_typical\_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: 3**  Party: D  Foster – 3 votes  Pike – 2 votes  Party: R  Borg – 2 votes  Jones – 1 vote  Deutsch – 0 votes  Party: I  Smith- 1 vote | run\_election\_typical\_report\_expected.txt matches the report file generated by runElection | run\_election\_typical\_report\_expected.txt matches the report file generated by runElection |  |

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

N/A