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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** test\_397\_07\_eliminateLowest\_02\_testEliminateLowestOutput | **Name(s) of Testers:** Aaron Kandikatla, Jack Fornaro |
| **Test Description:**  Given a standard IR election with candidates, parties, and ballots, tests that when a candidate is eliminated the output written to file is formatted properly  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/InstantRunoffSystemTest.java  Test method: testEliminateLowestOutput  Method/constructor being tested: eliminateLowest from Project1/src/main/org/team19/InstantRunoffSystem.java |
| **Results:** Pass |  |
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| **Preconditions for Test:**  There exists a file called test\_eliminate\_lowest\_output\_expected.txt in testing/test-recources/instantRunoffSystem/ 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** |
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| 1 | Tests to check that the output written by eliminateLowest, matches test\_eliminate\_lowest\_output\_expected.txt after candidates Kleinberg, Royce, and Chou are eliminated | **Ballots:**  B1 = [Rosen, Royce, Kleinberg, Chou]  B2 = [Rosen, Chou]  B3 = [Rosen, Kleinberg, Chou]  B4 = [Chou, Kleinberg, Rosen, Royce]  B5 = [Chou, Royce]  B6 = [Royce]  **Candidates:**  Rosen (D): 3  B1, B2, B3  Kleinberg (R): 0  Chou (I): 2  B4, B5  Royce (L): 1  B6  Eliminate Kleniger  Ballot to distribute: None  Eliminate Royce  Ballot to distribute: B6  Eliminate Chou  Ballot to distribute: B4 and B5 | test\_eliminate\_lowest\_output\_expected.txt matches the file written by eliminateLowest | test\_eliminate\_lowest\_output\_expected.txt matches the file written by eliminateLowest | N/A |

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

N/A