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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** test\_416\_06\_parse\_07\_testParseFileValidIr | **Name(s) of Testers:** Nikunj Chawla |
| **Test Description:**  Tests that parse does not throw an exception for a valid IR election CSV file and that the InstantRunoffSystem produced is (for the most part) correctly populated |  |
| **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/VotingStreamParserTest.java  Test method: testParseFileValidIr  Method/constructor being tested: parse from Project1/src/main/org/team19/VotingStreamParser.java |
| **Results:** Pass |  |
|  |  |
| **Preconditions for Test:**  The test file must be able to be opened and read for the test | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Creates an input stream to correct\_ir.csv for the test and tests that parse does not throw an exception for a valid IR election CSV file | “Project1/testing/test-resources/votingStreamParserTest/correct\_ir.csv” | An exception is not thrown | An exception is not thrown |  |
| 2 | Tests that the number of candidates for the produced InstantRunoffSystem is correct | N/A | 4 | 4 |  |
|  | Tests that the candidates for the produced InstantRunoffSystem is correct | N/A | [  new Candidate(“Rosen”, “D”),  new Candidate(“Kleinberg, “R”),  new Candidate(“Chou”, “I”),  new Candidate(“Royce”, “L”)  ] | [  new Candidate(“Rosen”, “D”),  new Candidate(“Kleinberg, “R”),  new Candidate(“Chou”, “I”),  new Candidate(“Royce”, “L”)  ] |  |
|  | Tests that the number of ballots for the produced InstantRunoffSystem is correct | N/A | 6 | 6 |  |

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

N/A