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| **Project Name: Project 1: Voting System Team#19** | |
| **Test Stage: Unit X System \_\_** | **Test Date: 3/13/2021** |
| **Test Case ID#: 4** | **Name(s) of Testers: Emma Barnes** |
| **Test Description: Tests methods relating to the Candidate class**. |  |
| **Automated: yes X no \_\_\_** | **Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  Tests are in UnitTester.java. Candidate() and all of its methods are being used. |
| **Results: Pass X Fail\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  **A Candidate object must be created** | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Candidate object “candTest1”is created | name: “Joey” party:”Republican”  totalVotes: 24  rank: 3  hasSeat: false | New Candidate object “candTest1” with data  ‘name: “Joey” party:”Republican”  totalVotes: 24  rank: 3  hasSeat: false’ is created. | New Candidate object “candTest1” with data  ‘name: “Joey” party:”Republican”  totalVotes: 24  rank: 3  hasSeat: false’ is created. |  |
| 2 | The getName() method is tested | candTest1.getName() | “Joey” | “Joey” |  |
| 3 | The getParty() method is tested | candTest1.getParty() | “Republican” | “Republican” |  |
| 4 | The getRank() method is tested | candTest1.getRank() | 3 | 3 |  |
| 5 | The getTotalVotes() method is tested | candTest1.getTotalVotes() | 24 | 24 |  |
| 6 | The hasSeat() method is tested | candTest1.hasSeat() | false | false |  |
| 7 | The setRank() method is tested in conjunction with the getRank() method | candTest1.setRank(1)  candTest.getRank() | candTest1.rank = 1  1 | candTest1.rank = 1  1 |  |
| 8 | The setHasSeat() method is tested in conjunction with the hasSeat() method | candTest1.setHasSeat(true)  candTest.hasSeat() | candTest1.hasSeat = true  true | candTest1.hasSeat = true  true |  |
| 9 | The setTotalVotes() method is tested in conjunction with the getTotalVotes() method | candTest1.setTotalVotes(33)  candTest1.getTotalVotes() | candTest1.totalVotes = 33  33 | candTest1.totalVotes = 33  33 |  |

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

A Candidate object “candTest1” will have been created.

