|  |  |
| --- | --- |
| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/11/21 |
| **Test Case ID #:** test\_327\_08\_getNextCandidate\_01\_testSuccessive | **Name(s) of Testers:** Nikunj Chawla |
| **Test Description:**  Test that getNextCandidate returns the next ranked Candidate instance from the ranked candidates array and returns null when all of the Candidate instances that were ranked have been gone through |  |
| **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/BallotTest.java  Test method: testGetNextCandidate  Method/constructor being tested: getNextCandidate from Project1/src/main/org/team19/Ballot.java |
| **Results:** Pass |  |
|  |  |
| **Preconditions for Test:**  N/A | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Create a Ballot instance with two Candidate instances as the ranked Candidates and test that the return value of the first getNextCandidate call is the first element of the array | new Ballot(  23,  new Candidate[] {new Candidate("C0", "P0"), new Candidate("C1", "P1")}  ); | new Candidate("C0", "P0") | new Candidate("C0", "P0") |  |
| 2 | Test that the return value of the second getNextCandidate call is the second element of the array | See above | new Candidate("C1", "P1") | new Candidate("C1", "P1") |  |
| 3 | Test that the return value of the third getNextCandidate call is null as we have iterated through all Candidate instances | See above | null | null |  |

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

N/A