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| **Project Name: Aegis Project 1: Voting System Team#7** | |
| **Test Stage: Unit X System \_** | **Test Date:** 3/15/2021 |
| **Test Case ID#:** PartyTest\_4: getPartyMembers | **Name(s) of Testers:** Michael,Donald,Grant,Lucky |
| **Test Description:**  Verifies that getPartyMembers() is returning the appropriate vector of Candidates. |  |
| **Automated: yes X no \_\_\_** | **Indicate where you are storing the tests (what file) and the name of the method/functions being used.**  Stored in file: PartyTest.cpp  Method names:   * getPartyMembers() |
| **Results: Pass \_\_X\_\_\_** Fail **\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  Party \*D, Candidate \*Derrick, and Candidate \*Derrick2 have all been setup properly. | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Create an exact replica of *partyMembers* from Party D | Party D  D->partyMembers |  |  |  |
| 2 | Iterate through each candidate in the copy and original partyMember vector. Test whether each candidate is equal to each other. If one comparison fails, the whole test fails. |  | D->getPartyMembers() = candidates | D->getPartyMembers() = candidates | Since all candidates are the same and are in the same order, both vectors are equal. This means that getPartyMembers returns the correct vector. |

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

There have been no changes made. getPartyMembers() has been run on Party D.