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| **Project Name: Project 1: Voting System Team#25** | |
| **Test Stage: Unit √ \_\_ System \_\_** | **Test Date: Nov. 15th 2019** |
| **Test Case ID#: 001** | **Name(s) of Testers:** Zhuoran Bi |
| **Test Description:**  Test the functionality of the get\_parties() in CPL class, to see if this function can return the right parties vector for a given input file. |  |
| **Automated: yes\_√\_\_ no \_\_\_** | **Indicate where are you storing the tests (what file) and the name of the method/functions being used.** |
| **Results: Pass \_\_\_\_\_ Fail\_\_\_\_\_\_\_\_** |  |
|  |  |
| **Preconditions for Test:**  The processer has already separated the given input file to a CPL file, and result has been generated. | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | To test get\_parties() function, test the returned value is the vector which contains the right number of parties (right size) | Input data1 | 6 |  | Test correct |
| 2 | To test get\_parties() function, test the returned value is the vector which contains all the parties have the right name and in right order. | Input data1 | A |  | Test correct |
| 3 | To test get\_parties() function, test the returned value is the vector whose the fifth and the fourth party have the right name | Input data2 | L, T |  | Test correct |
| 4 | To test get\_parties() function, test the returned value is the vector whose members have the right name | Input data2 | Raymond, Erik |  | Test correct |

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

The test script should output some error messages if there are errors occur. And the system state should not change since the test file only check the state (only check if the parties’ vector is correct).

Project Name: The project #, name of your system, and the team#

Test Stage: Indicate whether it is a unit test or a system test.

Test Date: The date the test was performed.

Test Case ID#: A unique ID is required. Decide on a naming convention and use numbering. Example: Ballot\_Shuffle\_1

Name(s) of Testers: List the names of anyone involved in running this test case.

Test Description: Describe briefly the test objective.

Automated: Indicate if the test is completely automated or being checked manually. (If you have methods running the tests and checking results, select “yes”. If you are manually checking results, indicate manual by selecting the “no.”)

**Results:** Indicate if the test passed or failed.

**Step #:** You will be listing the test steps in order. This number is the step number in the process.

**Test Step Description:** Details of the test step.

**Test Data:** What the test data will be for this step. Be clear on what the input data will be. If using a specific file, be clear on the name.

**Expected Result:** What result are you expecting from the program component or system.

**Actual Result:** What result were returned based on the test.

**Post condition for Test:** What will be true after the test has been run? Has the state of the system changed in any way?

**Notes:** Comments and notesfor you and your team members.