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| Project Name: Project 1: Voting System Team# 25 | |
| Test Stage: Unit \_1\_ System \_\_ | Test Date: Nov 18, 2019 |
| Test Case ID#: Processor\_001 | Name(s) of Testers: Jing Wu |
| Test Description: To see if the Processor class could parse file well or not. |  |
| Automated: yes\_\_1\_ no \_\_\_ | Indicate where are you storing the tests (what file) and the name of the method/functions being used. |
| Results: Pass \_\_\_\_\_ Fail\_\_\_\_\_\_\_\_ |  |
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| Preconditions for Test:  Processor can parse the file well and create the CPL or OPL properly. | |

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| Step  # | Test Step  Description | Test  Data | Expected  Result | Actual  Result | Notes |
| 1 | parse\_OPL\_line(), it will parsing the file into lines and allocated an object of OPL type and give the properties properly to the features of OPL object. | CSV file: Include all parties and its candidate information | Parties’ attributes are set. |  |  |
| 2 | parse\_CPL\_line(), it will parsing the file into lines and allocated an object of CPL type and give the properties properly to the features of CPL object. | CSV file: Include all parties and its candidate information, and party votes | Parties’ attributes are set. |  |  |
| 3 | get\_one\_index(), it will get the index of the votes 1, which means return the index of the candidate or the party location in the list. The parameters passed in are the lines parsed from the file. | CSV file: Include all parties and its candidate information, and party votes | The votes of the parties or candidates are increased. |  |  |
| 4 |  |  |  |  |  |
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Post condition(s) for Test: The attributes of the parties and candidates are properly set.

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 notes for you and your team members.