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| **Project Name: Project 1: Voting System Team# 25** | |
| **Test Stage: Unit \_X\_ System \_\_** | **Test Date: 11/18/2019** |
| **Test Case ID#: Processor\_Test\_1** | **Name(s) of Testers: Michael Ung** |
| **Test Description: Tests if the processor runs successfully.** |  |
| **Automated: yes\_X\_ no \_\_\_** | **Test located in: repo-Team25/testing/ProcessorTests.cc**  **Test data files in: repo-Team25/testing/testdata/** |
| **Results: Pass \_\_X\_\_ Fail\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  **Must be run on a CSELabs machine. Input file must be formatted correctly.** | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Testing a valid filename on the process function. | filename = “testdata/OPLScenario1.csv” | Returns 0 | Returns 0 | Private functions are tested through OPL and CPL class tests in addition to system tests |
| 2 | Check to see if files are present. | filename = “testdata/CPLScenario1.csv” | Audit and text files created | All files created in current directory | This part is manually checked. |
| 3 | Testing another valid filename on the process function. | filename = “testdata/CPLScenario1.csv” | Returns 0 | Returns 0 |  |
| 4 | Check to see if files are present. | filename = “testadata/CPLScenario1.csv” | Audit and text files created | All files created in current directory | This part is manually checked. |
| 5 | Testing a bad filename on the process function. | filename = “testadata/badfile.csv” | Returns -1 | Returns -1 |  |
|  |  |  |  |  |  |

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

The process runs to completion and the audit and text files are created.

Additionally, candidate and party members are set correctly.

**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.