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| **Project Name: Project 1: Voting System Team#08** | |
| **Test Stage: Unit \_x\_ System \_\_** | **Test Date: 3/20/2023** |
| **Test Case ID#: CPLBallot\_01** | **Name(s) of Testers: Claire Maurus** |
| **Test Description:**  -Testing the getter method, whose purpose is to return an integer value correlating an index value, starting at 0, that matches the position in a comma delineated list.  -Google test file is being used for testing in the same directory as the CPLBallot class file and header and it is using method forParty(). |  |
| **Automated: yes\_x\_\_ no \_\_\_ using Google Test** |  |
| **Results: Pass \_\_\_x\_\_ Fail\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  To allow for multiple CPL Ballot objects to be created with the following input strings:  (1)“1,,,,” |(2) “,1,,,” | (3)",,,,1,," | (4)",,,,,1" |(5) “1”  We provided these string to be used as sample ballots to be used in the CPLBallot constructor. | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Instantiated 4 unique CPLBallot objects using constructor and precondition strings, one per obj. | Strings 1-4 used | nothing | nothing | All internal will not know status at this point |
| 2 | Called forParty() on each of the 4 objects | 4 integer values, one from each fucntion call | From (1) obj: 0  From (2) obj: 1  From (3) obj: 4  From (4) obj: 5 | From (1) obj: 0  From (2) obj: 1  From (3) obj: 4  From (4) obj: 5 | This Actual result was check automatically by Google Test file. |
| 3 | Created an instance of CPLBallot using input string (5) | String (5) | nothing | Nothing | All internal will not know status at this point |
| 4 | Called forParty() | One integer value returned from fucntion call: 0 | From (5) obj: 0 | From (5) obj: 0 | This was Automatically check with Google Test |

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

A CPLBallot object will have been created and has accurately returned the index of the vote on the ballot starting at 0.