|  |  |
| --- | --- |
| **Project Name: Project 1: Voting System Team# 3** | |
| **Test Stage: Unit X\_\_ System \_\_** | **Test Date: 4/2/2020** |
| **Test Case ID#: ballot\_file\_tests\_UT003** | **Name(s) of Testers: Bryan Baker** |
| **Test Description:**  **The test verifies that ballot files for the STV election type can be processed. The information gets stored in the votinginfo object.** |  |
| **Automated: yes\_X\_\_ no \_\_\_** | **Test File: ballot\_file\_processor\_UT.cc**  **Method: TEST\_F(BallotFileTests, ProcessSTVBallots)** |
| **Results: Pass \_\_X\_\_\_ Fail\_\_\_\_\_\_\_\_** |  |
|  |  |
| **Preconditions for Test:**  **Create a ballot file processor objects and a csv file for the stv ballots.** | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Process stv ballots from csv file | pbfp, csv file |  |  |  |
| 2 | check that the correct number of candidates were added | pbfp, votinginfo | 6 | 6 |  |
| 3 | check that the correct number of ballots were added | pbfp, votinginfo | 4 | 4 |  |
| 4 | Check that the first candidate in the candidate list matches what is expected from the csv file. | pbfp, votinginfo | ID = 0  name = A | ID = 0  name=A |  |
|  | Check that the first ballot added to the ballot list matchs what is expected from the csv file. | pbfp, votinginfo | ballot id = 1  candidate\_id list = 0 | ballot id = 1  candidate\_id list = 0 |  |

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

The ballot file processor can correctly process stv election ballot files.