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| **Project Name: Project 1: Voting System Team# 3** | |
| **Test Stage: Unit X\_\_ System \_\_** | **Test Date: 4/2/2020** |
| **Test Case ID#: ballot\_UT001** | **Name(s) of Testers: Bryan Baker** |
| **Test Description:**  **The test verifies that ballots are created properly.** |  |
| **Automated: yes\_X\_\_ no \_\_\_** | **Test File: ballot\_UT.cc**  **Method: TEST\_F(BallotTests, Constructor)** |
| **Results: Pass \_\_X\_\_\_ Fail\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  **Three sets of integer lists were created: 1 for candidate1, 1 for candidate2, and one with a duplicate value. Two variables were defined to use the ballot type.** | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Check negative ballot ids do not work. | ballot1, candidateList1. Set ballot id to be -1. | Expect an exception. | exception found |  |
| 2 | Check that candidatelists with duplicate candidates will not work. | ballot1, candidateDup. | Expect an exception. | exception found |  |
| 3 | Check that normal assignment works. | ballot1, ballot2, candidatelist1, candidatelist2. | Expect no exception. | No exception found for either ballot. |  |
| 4 |  |  |  |  |  |
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**Post condition(s) for Test:**

Two ballot objects will be created and ready to use elsewhere. 