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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#: candidate\_UT006** | **Name(s) of Testers: Bryan Baker** |
| **Test Description:**  **The test verifies that the number of ballots increment correctly. This method is implemented in add ballot and is called to change the number of ballots accordingly.** |  |
| **Automated: yes\_X\_\_ no \_\_\_** | **Test File: candidate\_UT.cc**  **Method: TEST\_F(CandidateTests, IncrementNumBallots)** |
| **Results: Pass \_\_X\_\_\_ Fail\_\_\_\_\_\_\_\_** |  |
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| **Preconditions for Test:**  **Create one candidate object candidate1 and two ballot objects ballot1 and ballot2.** | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| 1 | Verify that the initial ballot count is 0. | candidate1 | 0 | 0 |  |
| 2 | Add ballot1 to candidate1 | candidate1, ballot1 |  |  |  |
| 3 | Check the number of ballots for candidate1. | candidate1 | 1 | 1 |  |
| 4 | Add ballot2 to candidate1 | candidate1, ballot2 |  |  |  |
|  | Check the number of ballots for candidate1 | candidate1 | 2 | 2 |  |

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

A candidate object will correctly increment the number of ballots when adding ballots.