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| **Project Name: Project 1: CompuVote Team #19** | |
| **Test Stage:** Unit | **Test Date:** 3/27/21 |
| **Test Case ID #:** test\_401\_01\_equals\_03\_testNullValue | **Name(s) of Testers:** Nikunj Chawla |
| **Test Description:**  Test that two Pair are equivalent if they have null values and equal keys |  |
| **Automated:** Yes | **Indicate where you are storing the tests (what file) and the name of the method/functions being used:**  Test file: Project1/src/test/org/team19/PairTest.java  Test method: testEquals  Method/constructor being tested: equals from Project1/src/main/org/team19/Pair.java |
| **Results:** Pass |  |
|  |  |
| **Preconditions for Test:**  N/A | |

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| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
|  |  |  |  |  |  |
| 1 | Create two Pair instances with null values and equal keys and test that they are equivalent | new Pair<>("Obama", null), new Pair<>("Obama", null) | true | true |  |

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

N/A