Jeremy Blake - **Test Case for Rps**

**Purpose:** Play rock, paper, scissors a total of 15 times, and verify that the user interface responds as intended.

**Setup:** Ensure that the latest version of HolidayChecker.jar is present and runnable, then proceed to follow the directions below.

Test Data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Action** | **Input** | **Expected Output** | **PASS/FAIL** |
| 1 | Launch Application | N/A | The user interface is presented, and includes 4 buttons: Rock, Paper, Scissors and Save Results | Pass |
| 2 | Verify the ‘Rock’ button | Select the Rock button 5 times | 5 play-through results should be displayed on the screen | Pass |
| 3 | Verify the ‘Paper’ button | Select the Paper button 5 times | 5 additional play-through results should be displayed, total 10 | Pass |
| 4 | Verify the ‘Scissors’ button | Select the Scissors button 5 times | 5 additional play-through results should be displayed, total 15 | Pass |
| 5 | Verify the Round Counter | N/A | The most recent round number should be 15 | Pass |
| 6 | Verify the user play results | N/A | User plays 1-5 should say Rock, 6-10 should say Paper, 11-15 should say Scissors | Pass |
| 7 | Verify the game results | N/A | Computer plays respond to an algorithm, but each entry should correspond to the real-world results where Paper beats rock, rock beats scissors, and scissors beats paper. | Pass |
| 8 | Verify the total win counter | N/A | Based on the previous, each score counter should properly reflect the total tally of wins for the user and computer | Pass |
| 9 | Verify the ‘Save Results’ button | Select the Save Results button | Verify that the ‘results.json’ file has been written, and properly filled with the correct recent play-throughs. | Pass |
| 10 | Verify Database entries for each playthrough | N/A | Verify that each play-through result json string has been written to the ‘json\_entry’ table | Pass |
| 11 | Exit the program | Press the X to close in the upper right-hand corner of the user interface | Program should terminate | Pass |