Test Case: Calculation of Duel Outcome

Test Case ID: RDG-TC001
Test Case Description: Verify that the calculation of the duel outcome follows the specified formula accurately.

Preconditions:

- The Robot Duel game is installed and launched.
- "Your robot" and "Computer's robot" are present and functional.
- The health, attack damage, and other relevant attributes of the robots are assigned correctly.

Test Steps:

1. Select "Your robot" with the following attributes:

- Health: 100
- Attack Damage: 20

2. Select "Computer's robot" with the following attributes:

- Health: 80
- Attack Damage: 15

3. Start a duel between the two robots.

Expected Result:
The duel outcome is calculated correctly using the specified formula:
Winner = (Your Robot's Total Health + Your Robot's Attack Damage) - (Computer's Robot's Attack Damage)

Calculation:
Your Robot's Total Health + Your Robot's Attack Damage = 100 + 20 = 120
120 - Computer's Robot's Attack Damage = 120 - 15 = 105

Therefore, the expected outcome is that "Your robot" wins the duel with a remaining health of 105.

Actual Result:
Perform actual observations during the duel and compare the actual outcome with the expected result.

- If the actual result matches the expected result, mark the test as "Pass."

- If the actual result does not match the expected result, mark the test as "Fail."

Test Environment:

Operating System: MacOS
Screen Resolution: 1920x1080