XRAY

TEST SET
Addition Tests

Project Name: **Calculator**

Issue: **CAL-3**

Prepared By: **Noushin Babakhani**

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1. Introduction

1.1. Document Overview

This Test Report provides a summary of a test set. This document has been generated automatically from the test management platform.

1.2. Test Set Description

Addition Tests

2. Tests

2.1. Test CAL-11

2.1.1. Test Summary

Add Two Positive numbers

2.1.2. Test Description

Add Two Positive Integers

2.1.3. Pre-Condition(s)

Key	CAL-10
Summary	User is on the calculator page
Definition	Given User is on the calculator page

2.1.4. Requirement(s) linked with this test

Is not associated to Requirements.

2.1.5. Test Procedure

Test Type	Cucumber
Scenario	# This scenario tests the addition of two positive_numbers

```
    When User enter "<first number>"
    And User press "+"
    And User enter "<second number>"
    And User press "="
    Then the display shows "<result number>"

    Examples:
     | first number | second number | result number |
     | 11          | 2            | 13           |
     | 2.5         | 3            | 5.5          |
```

2.2. Test CAL-12

2.2.1. Test Summary

Enter Nothing After Operator

2.2.2. Test Description

Enter Nothing After Operator

2.2.3. Pre-Condition(s)

Key	CAL-10
Summary	User is on the calculator page
Definition	Given User is on the calculator page

2.2.4. Requirement(s) linked with this test

Is not associated to Requirements.

2.2.5. Test Procedure

Test Type	Cucumber
Scenario	# Tests the addition of any numeric value

```
 When User enter "<first number>"
  And User press "+"
  And User press "="
  Then the display shows "Error"

 Examples:
  | first number |
  | 35          |
```

2.3. Test CAL-13

2.3.1. Test Summary

Add Two Negative numbers

2.3.2. Test Description

`Add Two Negative Integers`

2.3.3. Pre-Condition(s)

Key	CAL-10
Summary	User is on the calculator page
Definition	Given User is on the calculator page

2.3.4. Requirement(s) linked with this test

Is not associated to Requirements.

2.3.5. Test Procedure

Test Type	Cucumber
Scenario	# This scenario tests the addition of two negative integers

```
 When User enter "<first number>"
  And User press "+/-"
  And User press "+"
  And User enter "<second number>"
  And User press "+/-"
  And User press "="
  Then the display shows "<negative result number> "

 Examples:
  | first number | second number | negative result number |
  | 2           | 3             | -5                     |
```

2.4.   Test CAL-14

2.4.1.   Test Summary

Enter Nothing Before Operator

2.4.2.   Test Description

Enter Nothing Before Operator

2.4.3.   Pre-Condition(s)

Key	CAL-10
Summary	User is on the calculator page
Definition	Given User is on the calculator page

2.4.4.   Requirement(s) linked with this test

Is not associated to Requirements.

2.4.5.   Test Procedure

Test Type	Cucumber

Scenario	# This scenario covers the case when the first number is not input When I press "+"
	    When User press "+"
	   And User enter "<number>"
	   And User press "="
	   Then the display shows "Error"
	
	   Examples:
	    | number |
	    | 35 |

2.5.   Test CAL-15

2.5.1.   Test Summary

Add Positive and Negative numbers (Positive > Negative)

2.5.2.   Test Description

```
Add Positive and Negative Integers (Positive > Negative)
```

2.5.3.   Pre-Condition(s)

Key	CAL-10
Summary	User is on the calculator page
Definition	Given User is on the calculator page

2.5.4.   Requirement(s) linked with this test

Is not associated to Requirements.

2.5.5. Test Procedure

Test Type	Cucumber

Scenario	# This scenario tests adding a negative number and a positive number where the positive is larger than the negative
	 When User enter "<first number>"
	  And User press "+/-"
	  And User press "+"
	  And User enter "<second number>"
	  And User press "="
	  Then the display shows "<positive result number>"
	
	  Examples:
	   | first number | second number | positive result number |
	   | 3 | 8 | 5 |

2.6. Test CAL-16

2.6.1. Test Summary

Add Positive and Negative numbers (Positive < Negative)

2.6.2. Test Description

Add Positive and Negative Integers (Positive < Negative)

2.6.3. Pre-Condition(s)

Key	CAL-10
Summary	User is on the calculator page
Definition	Given User is on the calculator page

2.6.4. Requirement(s) linked with this test

Is not associated to Requirements.

2.6.5. Test Procedure

Test Type	Cucumber

Scenario	# This scenario tests adding a negative number and a positive number where the negative is larger than the positive
	 When User enter "<first number>"
	  And User press "+/-"
	  And User press "+"
	  And User enter "<second number>"
	  And User press "="
	  Then the display shows "<negative result number>"
	
	  Examples:
	   | first number | second number | negative result number |
	   | 7 | 5 | -2 |

3. Appendix A: Approval

The undersigned acknowledge they have reviewed the **Test Set** and agree with the approach it presents. Changes to this **Test Set** will be coordinated with and approved by the undersigned or their designated representatives.

Signature: *Date:*
_____   _____

Print Name:
_____

Title:
_____

Role:
_____