Feature: Comprehensive Calculator Operations

1. Scenario: Perform basic arithmetic operations

Given I open the comprehensive calculator application

When I input two positive numbers, for example, 5 and 7

And I click on the addition button

Then the result displayed should be 12

1. Scenario: Perform additional basic arithmetic operations

Given I open the comprehensive calculator application

When I input two numbers, for example, 10 and 3

And I click on the multiplication button

Then the result displayed should be 30

1. Scenario: Perform division with non-zero denominator

Given I open the comprehensive calculator application

When I input two positive numbers, for example, 15 and 3

And I click on the division button

Then the result displayed should be 5

1. Scenario: Perform logarithmic function

Given I open the comprehensive calculator application

When I input a positive number, for example, 100

And I click on the logarithm (base 10) button

Then the result displayed should be 2

1. Scenario: Perform advanced trigonometric function

Given I open the comprehensive calculator application

When I input an angle in degrees, for example, 45

And I click on the tangent button

Then the result displayed should be 1

1. Scenario: Perform statistical calculation

Given I open the comprehensive calculator application

When I input a list of numbers, for example, 2, 4, 6, 8, 10

And I click on the median button

Then the result displayed should be 6

1. Scenario: Perform exponentiation

Given I open the comprehensive calculator application

When I input a positive base number, for example, 2

And I input a positive exponent, for example, 4

And I click on the exponentiation button

Then the result displayed should be 16

1. Scenario: Perform square root

Given I open the comprehensive calculator application

When I input a positive number, for example, 36

And I click on the square root button

Then the result displayed should be 6