**ECSE 428 – Software Engineering Practice**

**Assignment B: Test Driven Development**

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# Domain Logic Tests

## The layout contains any number of elements

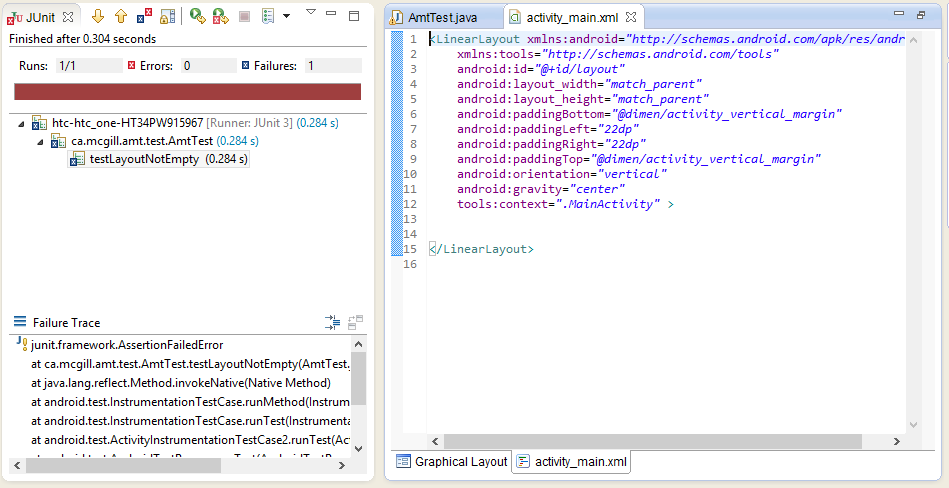
Check if the application is properly formatted by verifying that that elements appear on screen

Setup: None

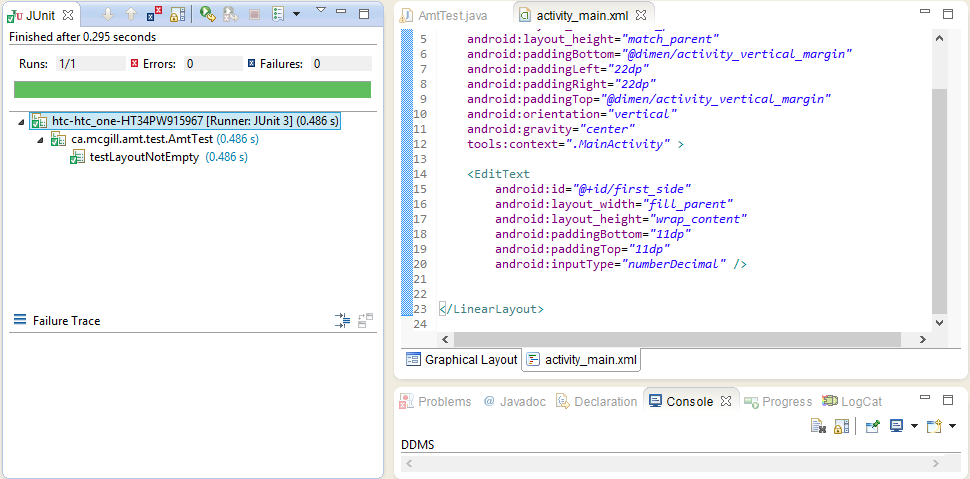
Expected Result: The layout should have elements in which the user can input their

specifications

Failing Screenshot:



Passing Screenshot

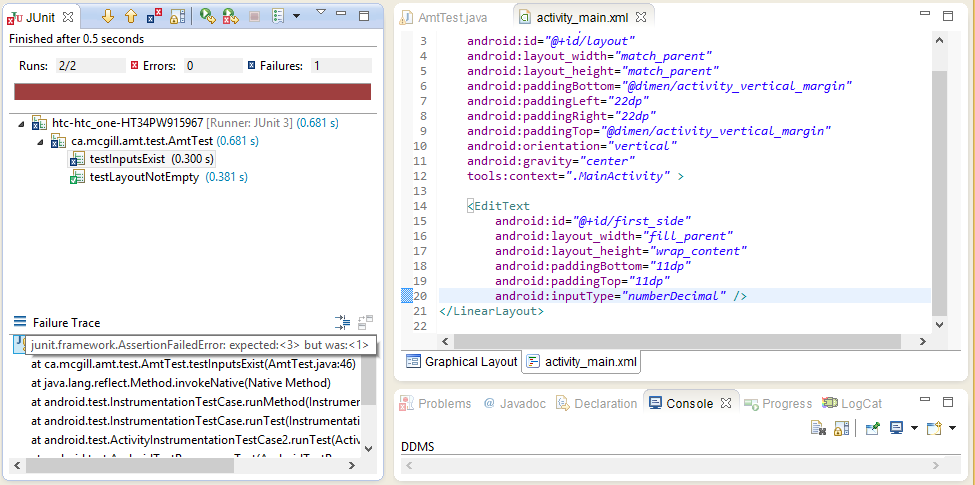


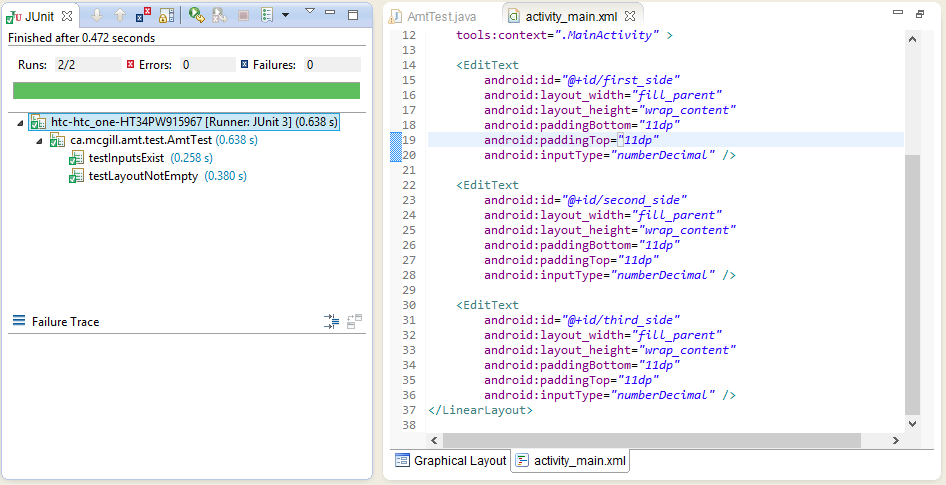
## Three input fields exist

Verify that the input fields for the user exist

Setup: None

Expected result: The layout should contain three input fields, one for each side of the triangle

Failing Screenshot:

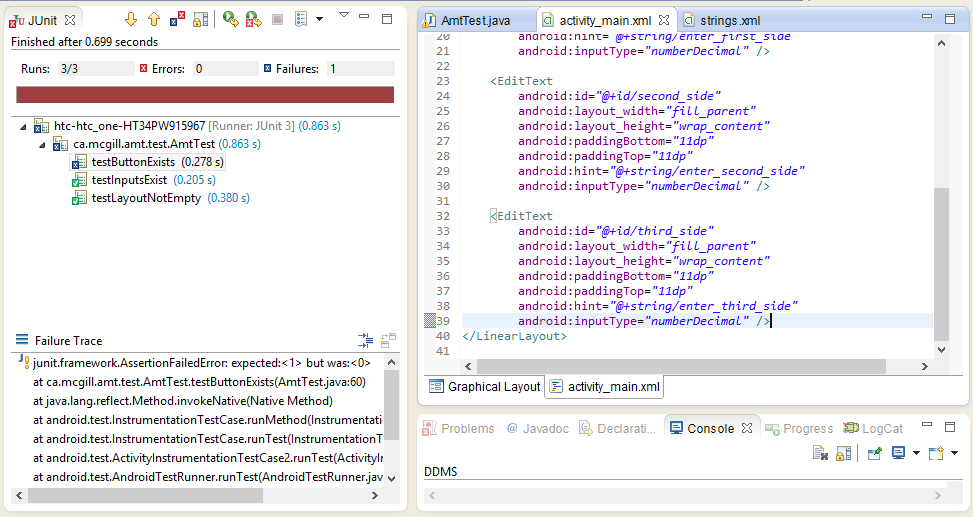
 Passing screenshot:

## Submit button exists

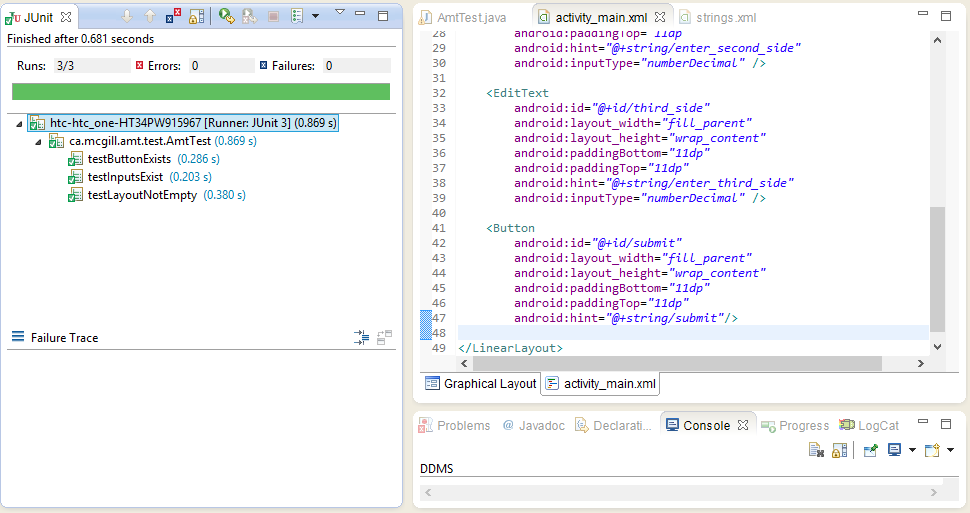
Setup: None

Expected result: The activity should display a button that a user presses to obtain a result for their input

Failing screenshot:



Passing screenshot:



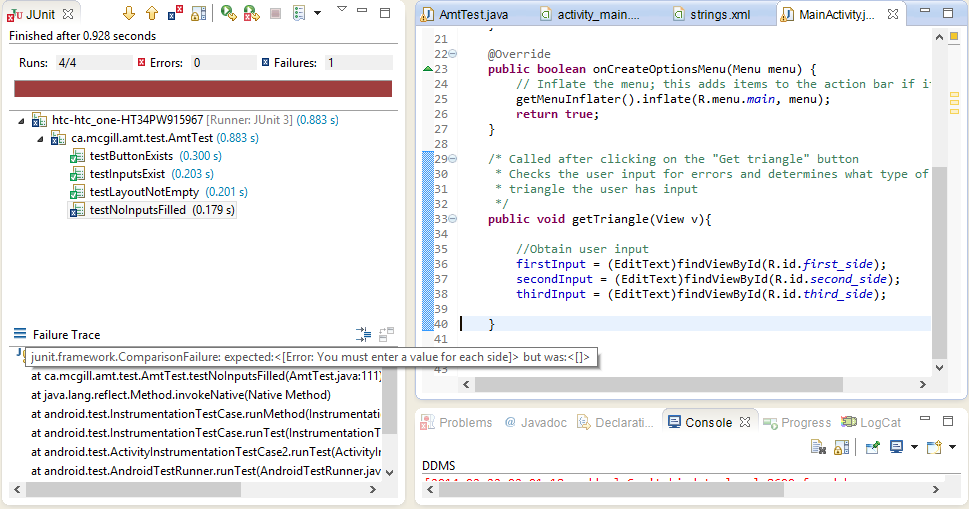
# User Error Tests

## None of the inputs are filled

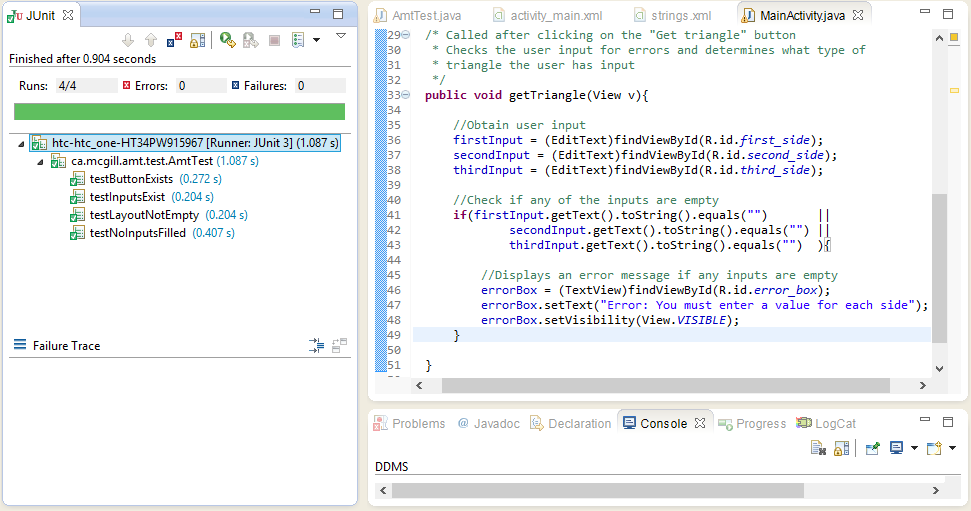
Setup: Each input is left blank, then the submit button is pressed

Expected result: An error message appears telling the user that all inputs must be filled

Failing screenshot:



Passing Screenshot:



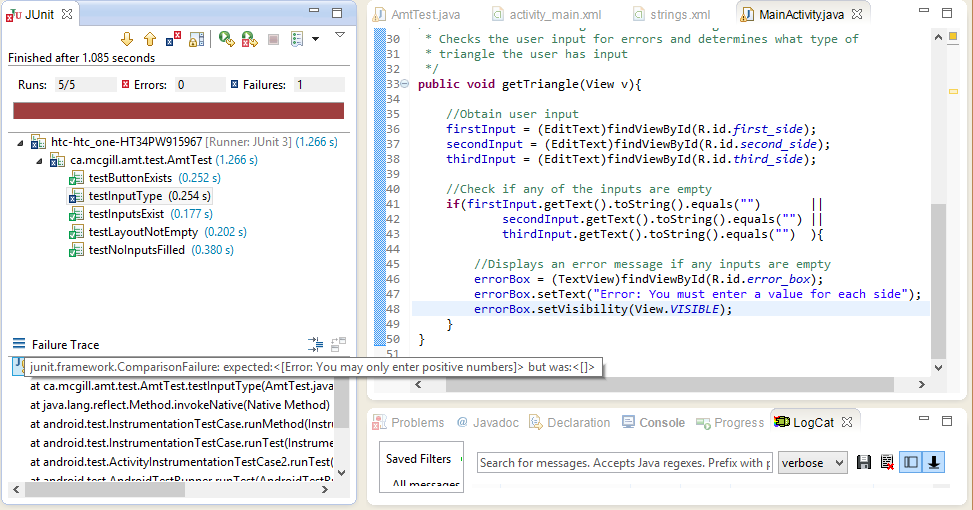
## The input type is invalid

Verify that the user can only enter positive numbers

Setup: Input characters into the text fields

Expected Result: An error message telling the user that they must enter only positive numbers

Failing screenshot:



Passing screenshot: