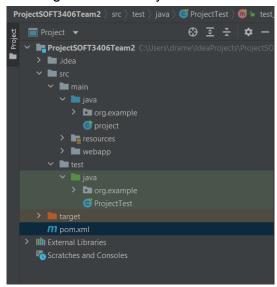
PROJECT TESTING (TEAM2)

-SOFTWARE VERFICATION AND VALIDATION PROJECT-

- The goal is to test whether the given measures of three sides can form a triangle or not using MC/DC Testing Design.
- This is the overview of the project files. SInce we used the testNG framework, some files got automatically created.



 Here are the test cases we added, those test cases are meant to be adequate for the MC/DC testing design.

- the previous test cases will test the program upon the following code:

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Possible test cases

TC	х	у	Z	OutCome
1	Т	Т	Т	Т
2	Т	Т	F	F
3	Т	F	Т	F
4	Т	F	F	F
5	F	Т	Т	F
6	F	Т	F	F
7	F	F	Т	F
8	F	F	F	F

MC/DC (adequate test cases)

merbe (adoquate test edece)							
тс	x	у	z	OutCome			
1	Т	Т	Т	Т			
2	Т	Т	F	F			
3	Т	F	Т	F			
5	F	Т	Т	F			

Test Cases

TC	х	у	Z	а	b	С	Output
1	F	Т	Т	1	2	4	Not a triangle
This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition $(a + b > c)$, this doesn't form a triangle, and an output "Not a triangle" is returned.							
2	Т	F	Т	2	5	2	Not a triangle
This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition $(a + c > b)$, this doesn't form a triangle, and an output "Not a triangle" is returned.							
3	Т	Т	F	3	1	1	Not a triangle

This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition (b + c > a), this doesn't form a triangle, and an output "Not a triangle" is returned.

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4	Т	Т	Т	2	2	2	Equilateral	
	This test case tests if a, b, and c are valid measure for building a triangle. since it passes all conditions, it checks							
	what type of triangle those measure can form by checking other conditions. since the condition (a==b && b==c meets the given measures, an output "Equilateral" is returned.							
5	Т	т	Т	2	2	3	Isosceles	
	e tests if a b	and c are vali	•		_		nditions, it checks	
			form by chec	•	•	•		
b==c) m	eets the giver	n measures, a	n output "Isc	osceles" <mark>is r</mark>	eturned.			
6	Т	Т	Т	3	5	6	Scalene	
what type of to b==c) nor (a	This test case tests if a, b, and c are valid measure for building a triangle. since it passes all conditions, it checks what type of triangle those measure can form by checking other conditions. since neither the condition (a==b && b==c) nor (a==b a==c b==c) meet the given measures, this triangle's sides have different lengths and output "Scalene" is returned.							
7	F	Т	Т	1	2	3	Not a triangle	
This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition (a + b > c), this doesn't form a triangle, and an output "Not a triangle" is returned.								
8	Т	F	Т	2	3	0	Not a triangle	
This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition $(a + c > b)$, this doesn't form a triangle, and an output "Not a triangle" is returned.								
9	F	Т	Т	6	0	8	Not a triangle	
This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition $(a + b > c)$, this doesn't form a triangle, and an output "Not a triangle" is returned.								
10	Т	F	Т	2	10	6	Not a triangle	
	This test case tests if a, b, and c are valid measure for building a triangle. since it doesn't satisfy the condition $(a + c > b)$, this doesn't form a triangle, and an output "Not a triangle" is returned.							

Project TEAM (2):

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