Course Software Testing: Assignment 1

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No	Group	Logical test case	alpha	beta	gamma	delta	output	Criterion used for prio/group
Name(s):		Alexander Guðmundsson	**Concrete test case**					
1	1	if alpha is not equal to gamma or alpha is not beta is not equal to delta and alpha+beta+gamma+delta = 360 degrees	35	97	165	63	Irregular quadrilaterial	Positive test case where the quadrilaterals are irregular
2	2	if 180 < alpha < 360 and alpha + beta + gamma + delta = 360 degrees	185	50	75	50	Irregular quadrilaterial	Positive test cases with 180 < degrees < 360
3	2	if 180 < beta< 360 and alpha + beta + gamma + delta = 360 degrees	50	185	50	75	Irregular quadrilaterial	
4	2	if 180 < gamma < 360 and alpha + beta + gamma + delta = 360 degrees	75	50	185	50	Irregular quadrilaterial	
5	2	if 180 < delta< 360 and alpha + beta + gamma + delta = 360 degrees	50	75	50	185	irregular quadriliaterial	
6	3	if alpha = gamma and beta = delta where alpha != beta	60	120	60	120	Parallelogram	Positive test case for parallelogram
7	4	all angles are the same length and all equals 90 degrees	90	90	90	90	Rectangle	Positive test case The only rectangle group since It's always the same, 4*90 degrees
8	5	the total degrees > 360	90	80	90	120	error	Negative test cases for wrong total degrees
9	6	when alpha = 180 degrees, it stops being quadrilaterial	180	60	60	60	error	Negative test cases where one angle = 180 degrees
10	6	when beta= 180 degrees, it stops being quadrilaterial	60	180	60	60	error	
11	6	when gamma = 180 degrees, it stops being quadrilaterial	60	60	180	60	error	
12	6	when delta= 180 degrees, it stops being quadrilaterial	60	60	60	180	error	
13	7	when alpha= 0 degrees, it stops being quadrilaterial	0	120	120	120	error	Negtive test cases where one angle = 0 degrees
14	7	when beta= 0 degrees, it stops being quadrilaterial	120	0	120	120	error	
15	7	when gamma= 0 degrees, it stops being quadrilaterial	120	120	0	120	error	
16	7	when delta= 0 degrees, it stops being quadrilaterial	120	120	120	0	error	
17	8	when alpha< 0 degrees, it stops being quadrilateria	-1	120	120	120	error	Negative test case where one angle < 0 degrees
18	8	when beta< 0 degrees, it stops being quadrilateria	120	-1	120	120	error	
19	8	when gamma< 0 degrees, it stops being quadrilateria	120	120	-1	120	error	
20	8	when delta< 0 degrees, it stops being quadrilateria	120	120	120	-1	error	
21	9	when alpha has a missing value		120	120	120	error	Negative test cases for missing values

#		Description	Alpha	Beta	Gamma	Delta	Result	Comment
22	9	when beta has a missing value	120		120	120	error	
23	9	when gamma has a missing value	120	120		120	error	
24	9	when delta has a missing value	120	120	120		error	
25	10	when alpha input includes NON Real number value	hundrað og tuttugu	90	90	60	error	Negative test case for inputs that are not Real numbers
26	10	when beta input includes NON Real number value	90	hundrað og tuttugu	90	60	error	
27	10	when gamma input includes NON Real number value	90	90	hundrað og tuttugu	60	error	
28	10	when delta input includes NON Real number value	90	90	60	hundrað og tuttugu	error	