



% of requirements covered
% of code covered
% of test cases executed
% of test cases passed
of open defects



Unicaciale expectations alout quality

The Oxford English Dictionary

SECOND



To abjure To reject

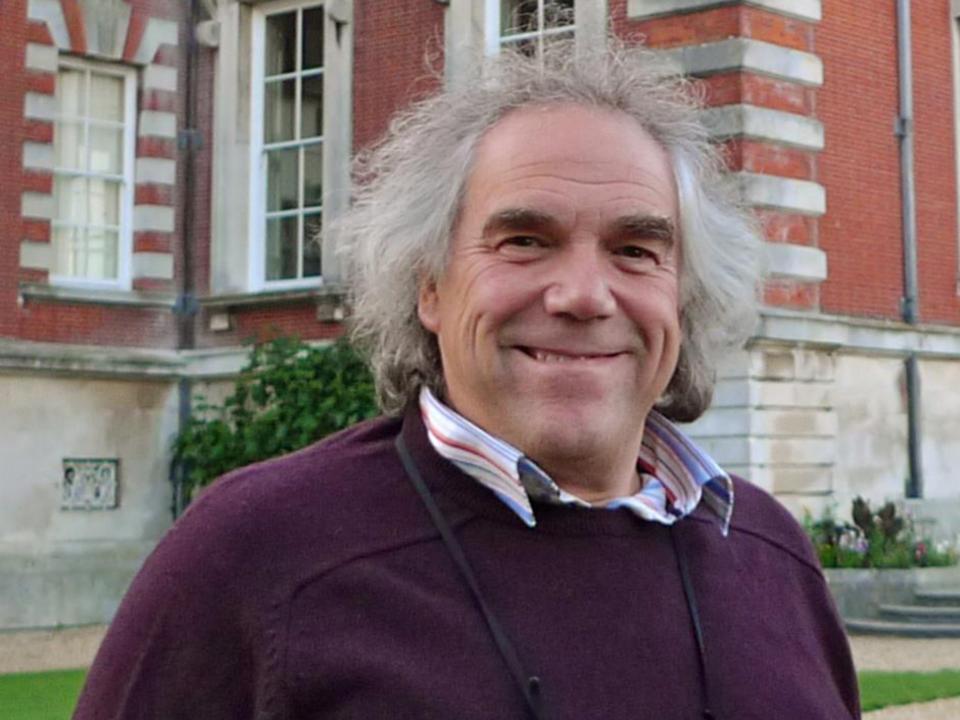
Limpid Clear, transparent

Tantamount Equivalent in value

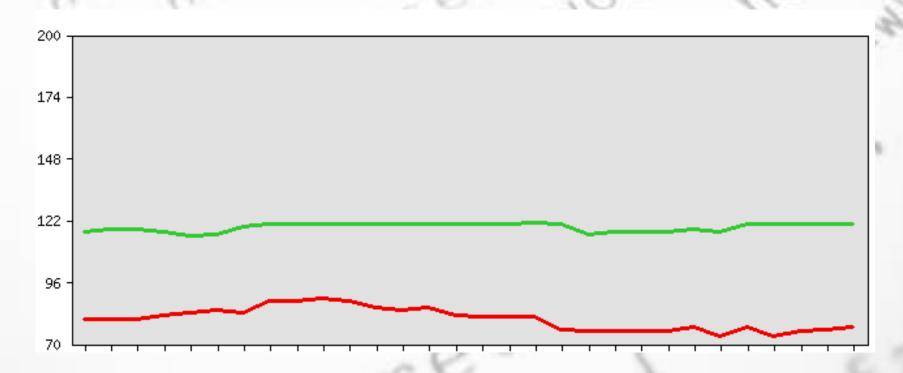
To proscribe To condemn, to outlaw

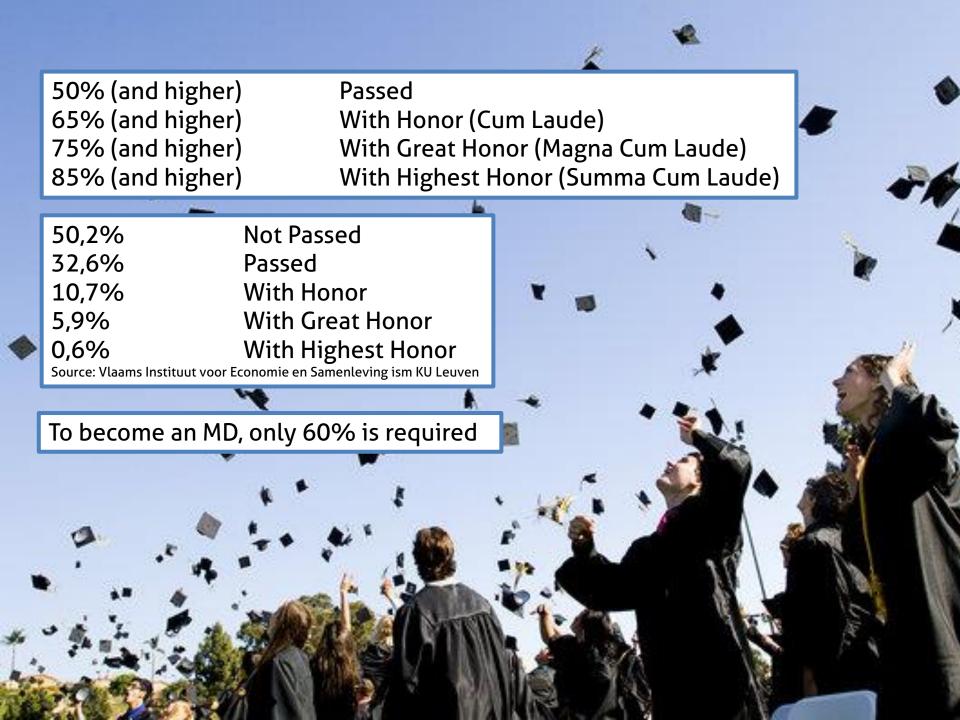
Officious Offering unwanted services

Overestinate our ovin level of our ality



Defect Percentage = # defects KLOC





Periecion may/must not be within reach

The 50 Worst Cars of All Time 🔈



As the North American International Auto Show kicks off in Detroit, TIME and Dan Neil, Pulitzer Prize-winning automotive critic and syndicated columnist for the Los Angeles Times, look at the greatest lemons of the automotive industry







1960-1974

1971 Ford Pinto



They shoot horses, don't they? Well, this is fish in a barrel. Of course the Pinto goes on the Worst list, but not because it was a particularly bad car — not particularly — but because it had a rather volatile nature. The car tended to erupt in flame in rear-end collisions. The Pinto is at the end of one of autodom's most notorious paper trails, the Ford Pinto memo, which ruthlessly calculates the cost of reinforcing the rear end (\$121 million) versus the potential payout to victims (\$50 million). Conclusion? Let 'em burn.





COMILY IS CONTEXTIME

IOW CAR WE Jeterna Carally?

Introducing...
The Cone of Quality

Budget

Time

More time - possible higher quality

Higher budget - possible higher quality

Increased scope - possible lower quality

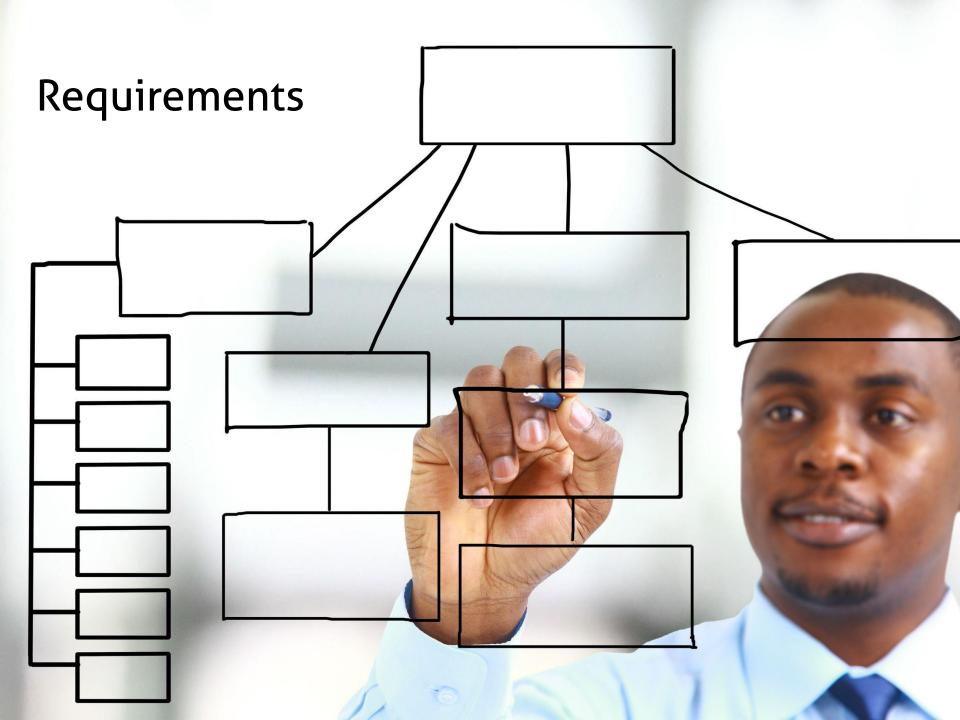
Inverse of **Scope**

The quality we hope for



The quality we get





Requirements

S.M.A.R.T. means EXPENSIVE

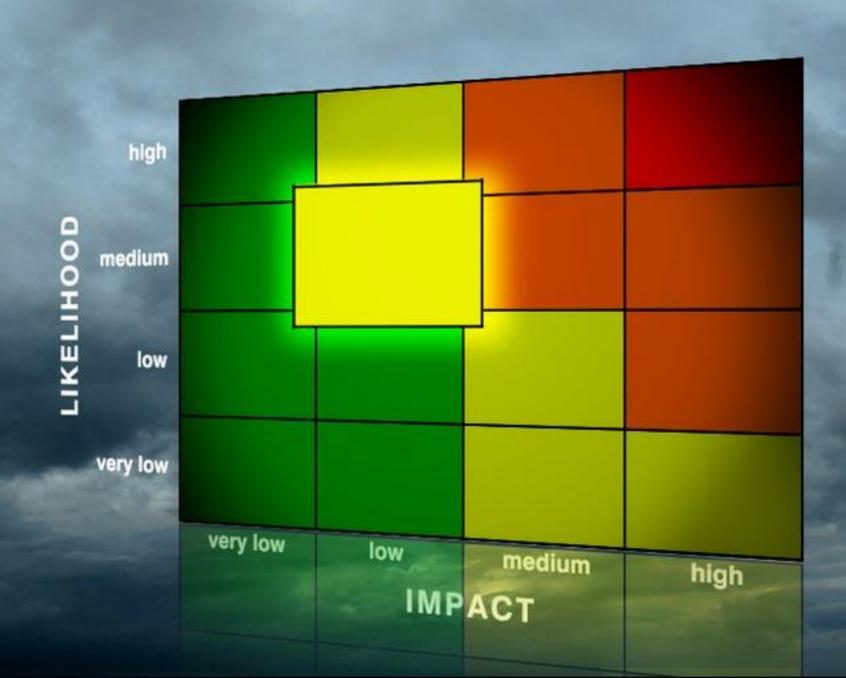


The quality equilibrium



How to determine the quality investment?



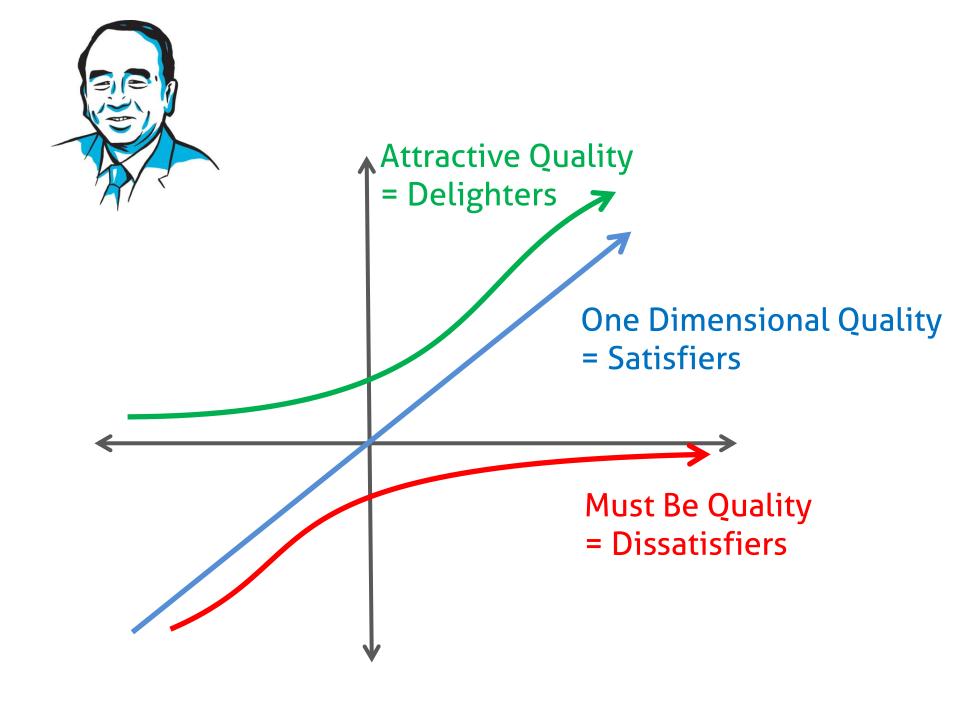




better How to determine the quality investment?







How to make decisions regarding quality?



Step 1: Determine the requirements

Feature	Relative Benefit	Relative Penalty	Value	Value %
Registration Module				
Update content				
Facebook Integration				
Customer migration				
New look and feel				

Step 2: Assess the Benefit

Feature	Relative Benefit	Relative Penalty	Value	Value %
Registration Module				
Update content	5			
Facebook Integration	6			
Customer migration	5			
New look and feel	7			
Total:	24			

Step 3: Assess the Penalty

Feature	Relative Benefit	Relative Penalty	Value	Value %
Registration Module	ı	3		
Update content	5	8		
Facebook Integration	6	5		
Customer migration	5	3		
New look and feel	7	4		
Total:	24	23		

Step 4: Calculate the Value

Feature	Relative Benefit	Relative Penalty	Value	Value %
Registration Module	1	3	4	
Update content	5	8	13	
Facebook Integration	6	5	ll ll	
Customer migration	5	3	8	
New look and feel	7	4	tt	
Total:	24	23	47	

Value: Benefit + Penalty

Step 5: Calculate the Value %

Feature	Relative Benefit	Relative Penalty	Value	Value %
Registration Module	1	3	4	8,51
Update content	5	8	13	27,66
Facebook Integration	6	5	u	23,40
Customer migration	5	3	8	17,02
New look and feel	7	4	11	23,40
Total:	24	23	47	

Value %: Value / Total Value

Step 6: Assess the Relative Cost

Feature	Value %	Relative Cost	Cost %	Relative Risk	Risk %
Registration Module	8,51	2			
Update content	27,66	10			
Facebook Integration	23,40	4			
Customer migration	17,02	3			
New look and feel	23,40	8			
Total:		27			

Step 7: Calculate the Cost %

Feature	Value %	Relative Cost	Cost %	Relative Risk	Risk %
Registration Module	8,51	2	7,41		
Update content	27,66	10	37,04		
Facebook Integration	23,40	4	14,81		
Customer migration	17,02	3	11,11		
New look and feel	23,40	8	29,63		
Total:		27			

Cost%: Relative Cost / Total Cost

Step 8: Assess the Relative Risk

Feature	Value %	Relative Cost	Cost %	Relative Risk	Risk %
Registration Module	8,51	2	7,41	2	
Update content	27,66	10	37,04	4	
Facebook Integration	23,40	4	14,81	4	
Customer migration	17,02	3	11,11	10	
New look and feel	23,40	8	29,63	8	
Total:		27		28	

Step 9: Calculate the Risk %

Feature	Value %	Relative Cost	Cost %	Relative Risk	Risk %
Registration Module	8,51	2	7,41	2	7,14
Update content	27,66	10	37,04	4	14,28
Facebook Integration	23,40	4	14,81	4	14,28
Customer migration	17,02	3	11,11	10	35,71
New look and feel	23,40	8	29,63	8	28,57
Total:		27		28	

Risk%: Relative Risk / Total Risk

Step 10: Calculate the Priority

Feature	Value %	Cost %	Risk %	Priority	Order
Registration Module	8,51	7,41	7,14	0,58	2
Update content	27,66	37,04	14,28	0,54	3
Facebook Integration	23,40	14,81	14,28	0,80	
Customer migration	17,02	11,11	35,71	0,36	5
New look and feel	23,40	29,63	28,57	0,40	4

Priority: Value % / (Cost % + Risk %)



Better prioritization

means

means

Lappez customezs

michael.pilaeten@ctg.com Twitter: @mpilaeten LinkedIn: linkedin.com/in/michaelpilaeten/