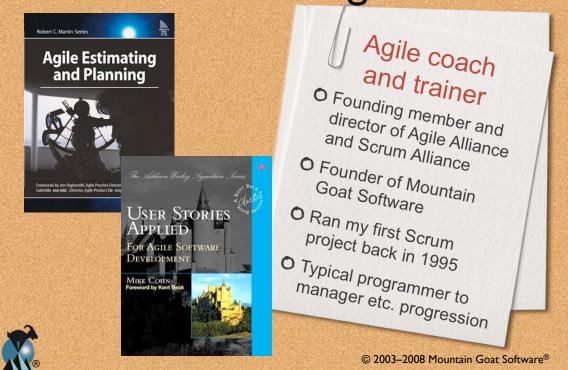
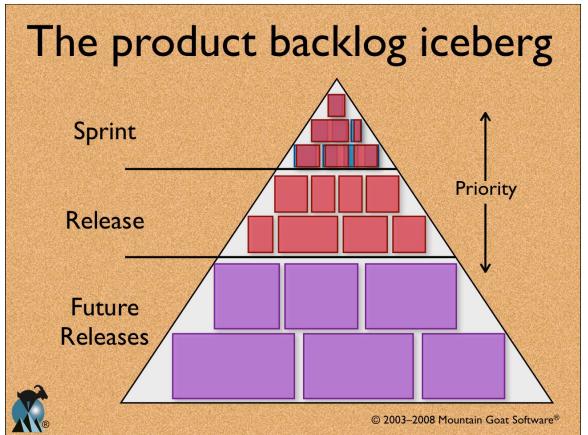
Prioritizing Your Product Backlog

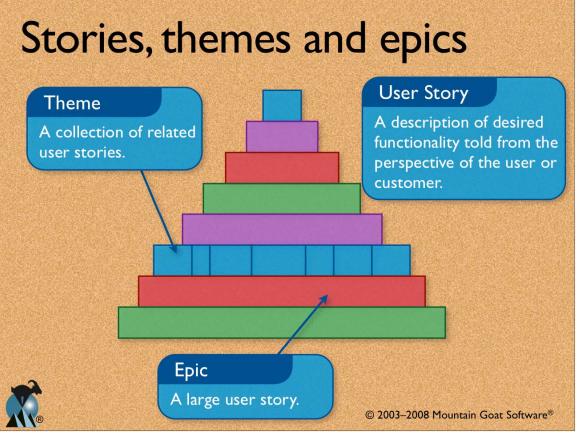
Mike Cohn August 6, 2008

Mike Cohn - background









An example

As a VP Marketing, I want to review the performance of historical promotional campaigns so that I can identify and repeat profitable ones.

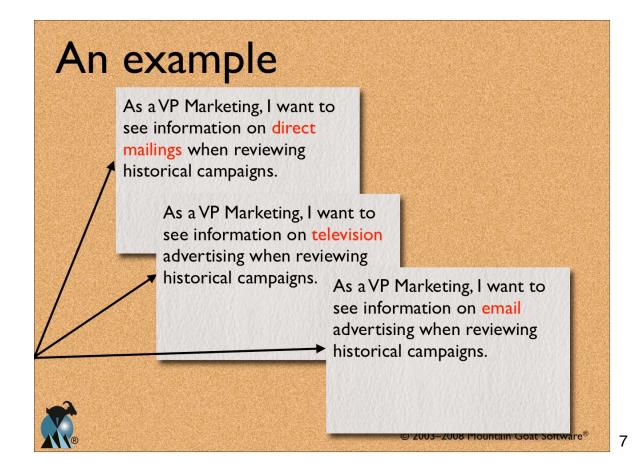
Clearly an epic

As a VP Marketing, I want to select the timeframe to use when reviewing the performance of past promotional campaigns, so that I can identify and repeat profitable ones.

Epics??

As a VP Marketing, I can select which type of campaigns (direct mail, TV, email, radio, etc.) to include when reviewing the performance of historical promotional campaigns.



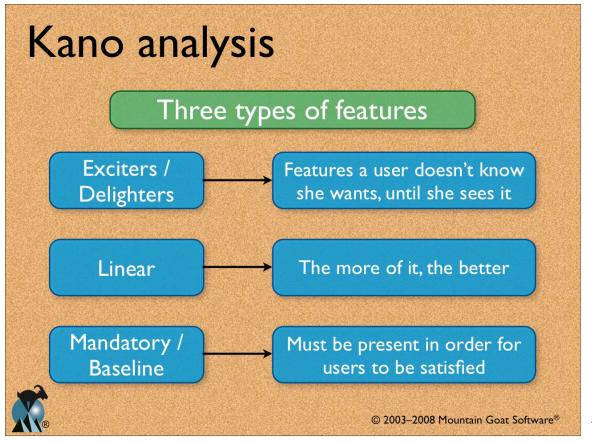


Prioritize at the theme level

- Why?
- Often individual stories cannot be prioritized against each other
 - What's more important in a word processor?
 - The A key or the E key?
 - Tables or undo?
 - What's more important on a car?
 - The left front wheel or the right front wheel?
 - Increased leg room or a larger engine?

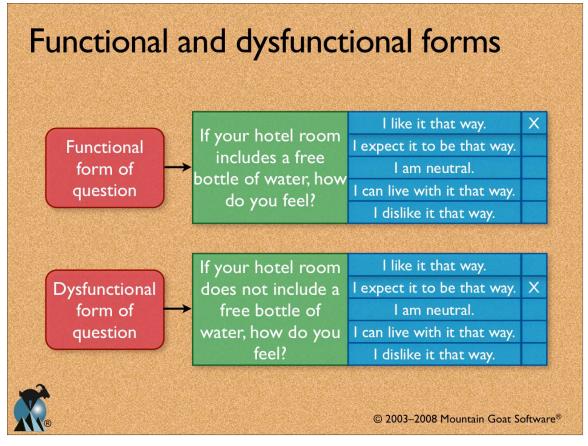


hoosing you	r appro	bach
	Expert Opinion	User Interview
Kano analysis	~	~
Theme screening	~	
Theme scoring	~	
Relative weighting	~	

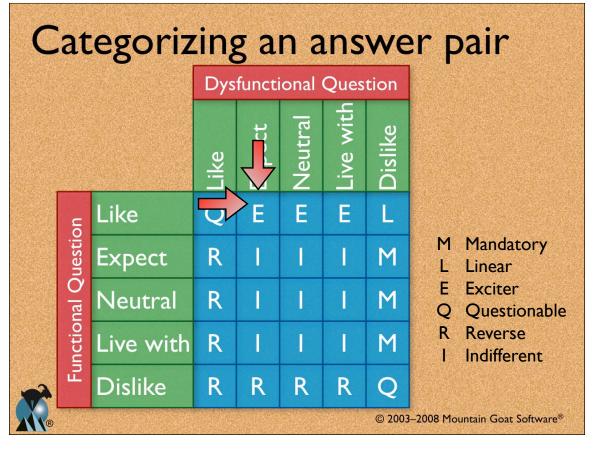


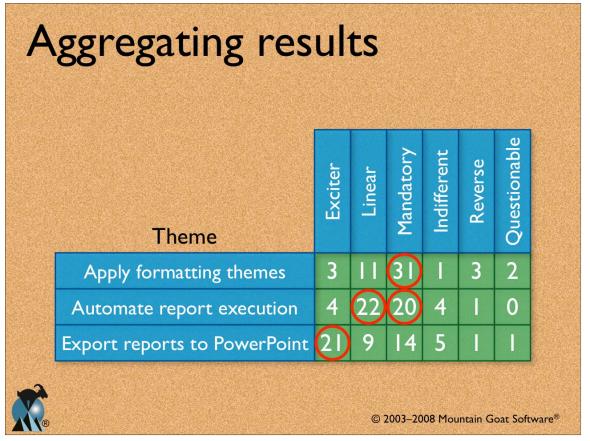
Surveying users

- To assess whether a feature is baseline, linear, or exciting we can:
 - Sometimes guess
 - Or survey a small set of users (20-30)
- We ask two questions
 - A functional question
 - How do you feel if a feature is present?
 - And a dysfunctional question
 - How do you feel if that feature is absent?









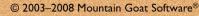
What to include

- All of the baseline features
 - By definition, these must be present
- Some amount of linear features
- But leaving room for at least a few exciters



Theme screening

- Identify 5-9 (approximately) selection criteria for what is important in the next release
- Select a baseline theme
 - Likely to be included in the next release
 - Understood by most team members
- Assess each candidate theme relative to the baseline theme

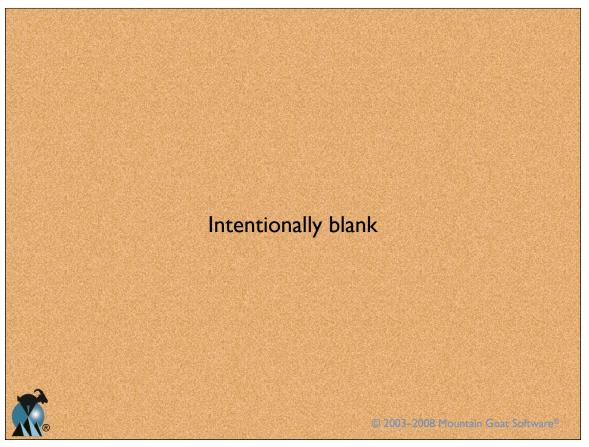


heme scr	eening	a	n e	ex	an	np	le		
				Т	hem	es			
Selection Crite	ria	Theme A	Theme B	Theme C	Baseline Theme	Theme E	Theme F	Theme G	
Importance to existi	ng customers	+	+	-	0	-	+	0	
Competitiveness wit	h ABC Corp.	+	-	0	0	0	0	0	
Starts us integrating	product lines	+	0	0	0	+	-	+	
Generates revenue i	n Q2	0	0	0	0	+	0	+	
+ = better than	Net score	3	0	-1	0	I	0	2	
0 = same as - = worse than Rank		I	4	5	4	3	4	2	
Norse chalt	Continue?	Y	Ν	Ν	Y	Y	Ν	Y	
,				© 200	3-2008	8 Moun	tain Go	oat Soft	ware

Theme scoring								
 Like theme screening but selection criteria are weighted 								
Need to a	select a baseline theme fo	or eacl	n criteria					
Avoids	compression of a catego	ry						
• Each then selection	ne is assessed against the criteria	e baseli	ne for each					
	Much worse than reference	1						
	Worse than reference	2						
	Same as reference	3						
	Better than reference	4						
Much better than reference 5								
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Theme	SCO	rin	g:	an	e>	kamj	Sle	2
		Ļ		ieme A	Th	ieme B		eme C
Selection Criteria	1	Weight	Rating	Weighted Score	Rating	Weighted Score	Rating	Weighted Score
Importance to existing cust.		.25	3	0.75	Ι	0.25	4	1.00
Competitive. with	ABC	.10	2	0.20	3	0.30	3	0.30
Starts us integratin	ıg	.15	3	0.45	4	0.60	4	0.60
Generates Q2 rev	enue	.50	5	2.50	2	1.00	3	1.50
	Net	score		3.90		2.15		3.40
		Rank		I		3		2
Cont				Yes		No		Yes
					© 200	03–2008 Moun	itain Go	oat Software®





Theme Screening Worksheet

		Themes							
MC									
Criteria									
Selection Criteria									
	Net score								
	Rank								
	Continue?								

+ = Better than 0 = Same as - = Worse than

Theme Scoring Worksheet

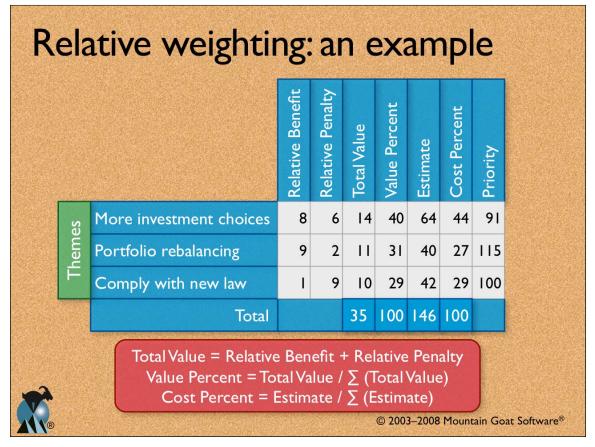
	GOAT R E											
Selection Criteria		Weight	Rating	Weighted Score								
	Net	Score										
		Rank										
	Cont	inue?										

Relative weighting

- Assess the impact of having a story/theme from 1-9
- Assess impact of NOT having it from 1-9
- Calculate the value of each story or theme relative to the entire product backlog
 - This gives you the relative value of that story or theme
- Estimate the cost of each story theme
- Calculate the cost of each story or theme relative to the entire product backlog
 - This gives the relative cost of that story or theme
- Priority is given by (Relative Value ÷ Relative Cost)

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An example with weights											
			Weight→	2	l						
				Relative Benefit	Relative Penalty	Total Value	Value Percent	Estimate	Cost Percent	Priority	
	es	More investmen	t choices	8	6	22	41	64	44	93	
	Themes	Portfolio rebalar	ncing	9	2	20	38	40	27	141	
	F	Comply with new	w law	Ι	9	11	21	42	29	72	
			Total			53	100	146	100		
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Relative Weighting Worksheet

	•	Weight:							
	MOUNTAIN GOAT		Relative Benefit	Relative Penalty	Total Value	Value Percent	Estimate	Cost Percent	Priority
~									
Themes									
F									
		Total:				100		100	

Total Value = Relative Benefit + Relative Penalty (× weights if used) Value Percent = Total Value $\div \Sigma$ (Total Value) Cost Percent = Estimate $\div \Sigma$ Estimate Priority = Value Percent / Cost Percent (higher = higher priority)

Com	paris	on r	natri	ix		
	Person Weeks	Cost	3-Year Return	NPV	IRR	D. Payback (Quarters)
Theme A	25	\$150	\$1,085	\$448	133%	2
Theme B	32	192	\$2,109	\$940	172%	4
Theme C	90	\$540	\$2,537	\$883	89%	2
Theme D	48	\$288	\$1,360	\$443	76%	4
Theme E	55	\$330	\$900	\$191	48%	2
Theme F	79	\$474	\$1,365	\$331	56%	4
Theme G	90	\$540	\$5,964	\$2,519	139%	5
Theme H	50	\$300	\$2,415	\$1,023	146%	2
Theme I	15	90	\$1,600	\$747	221%	I
Theme J	30	\$180	\$640	\$182	65%	2
Theme K	75	\$450	\$516	(\$104)	5%	NA
Theme L	40	\$240	\$171	(\$110)	(12%)	NA
Theme M	80	\$480	\$1,025	\$142	36%	3
Theme N	18	\$108	\$185	\$7	24%	2
Theme O	6	36	\$155	\$53	90%	1
Theme P	12	\$72	\$1,505	\$748	355%	I
B				© 200.	3-2008 Mounta	ain Goat Software

Upcoming public classes

Date	What	Where						
Oct 13	Effective User Stories for Agile Requirements	San Jose						
Oct 14–15	Certified ScrumMaster	San Jose						
Oct 16	Agile Estimating and Planning	San Jose						
Other class	ses in London and Oslo.							
Register at www.mountaingoatsoftware.com								
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