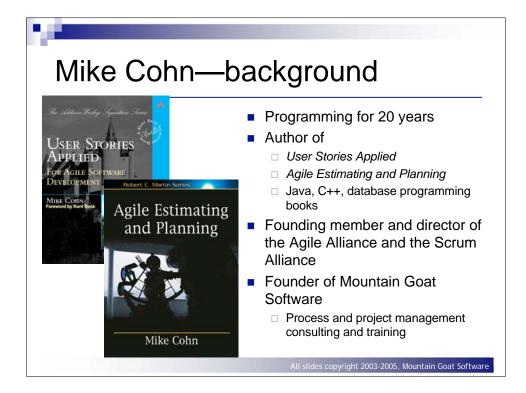


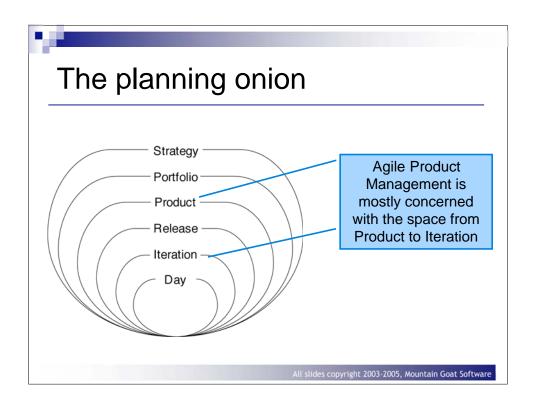
Agile Product Management

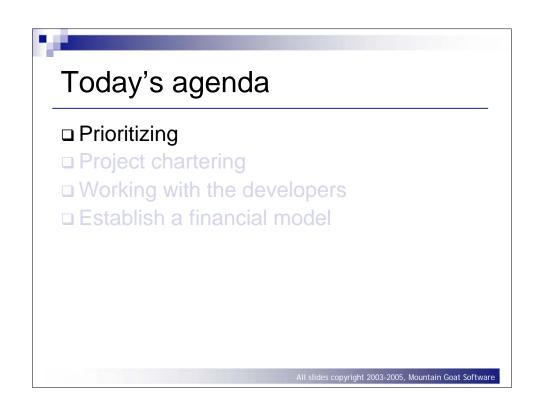
Mike Cohn September 29, 2005

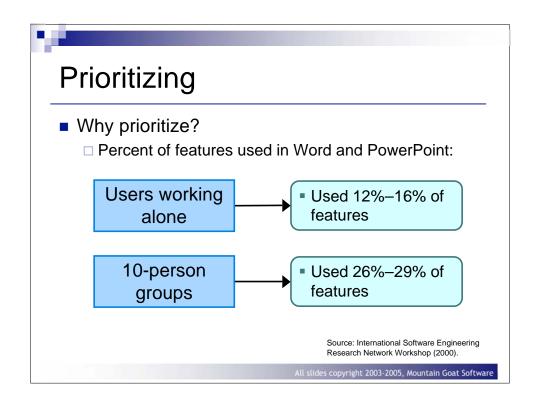


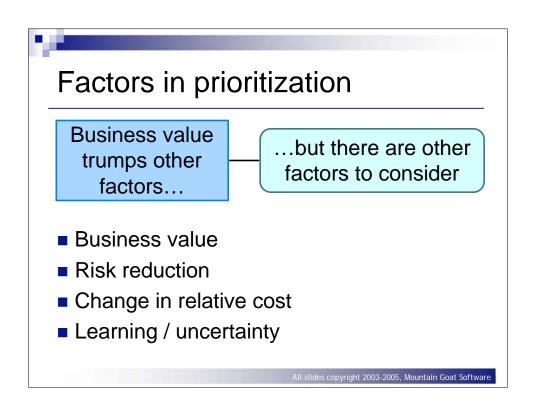
CONFERENCE & EXPO 2005

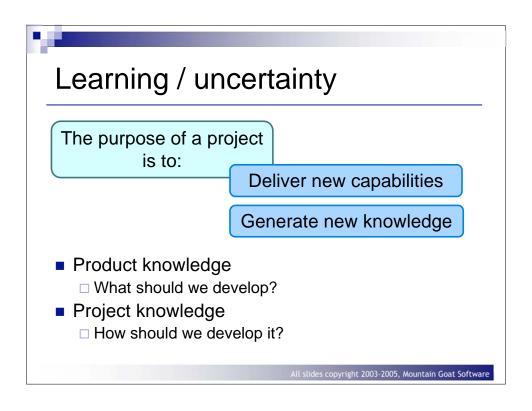


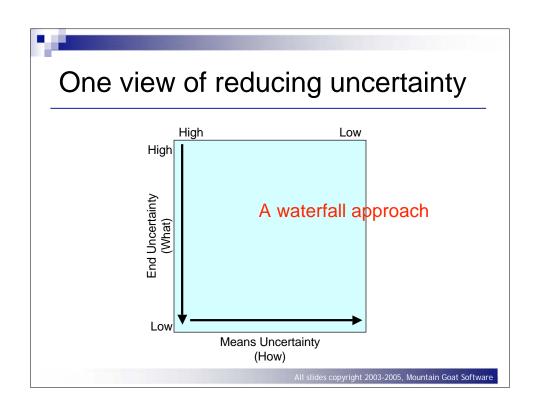


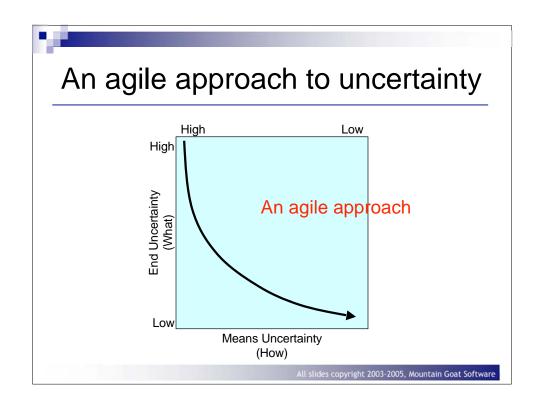


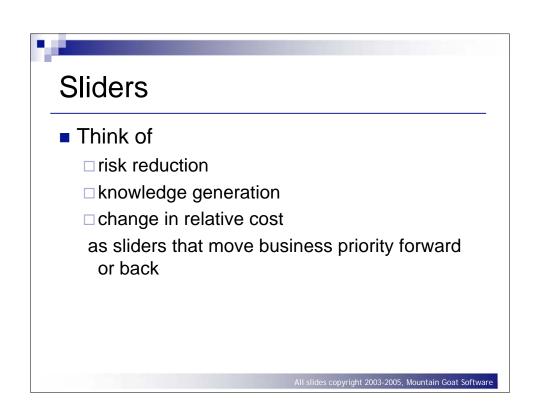


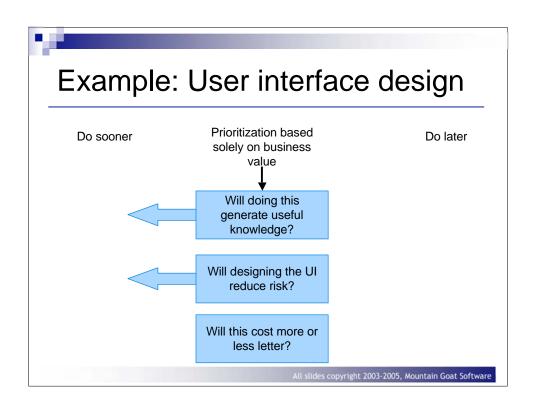


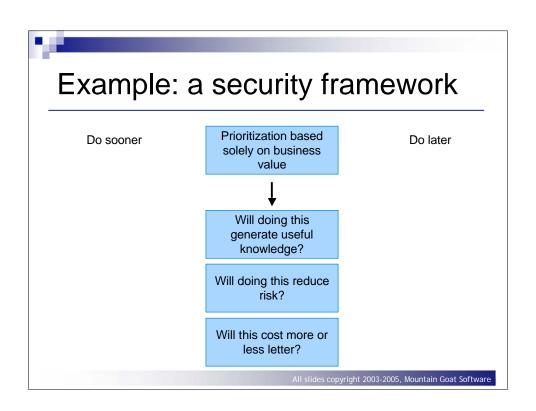


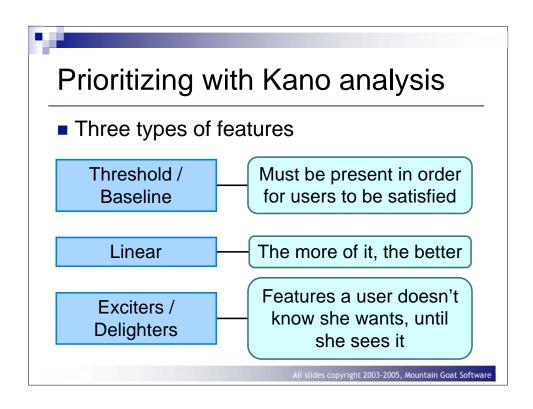


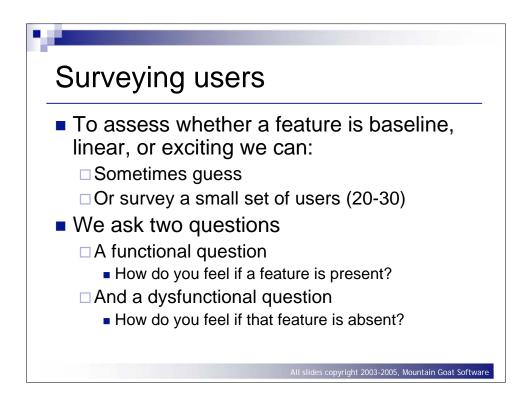


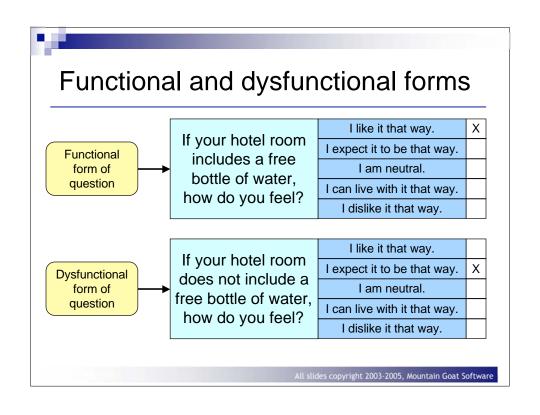


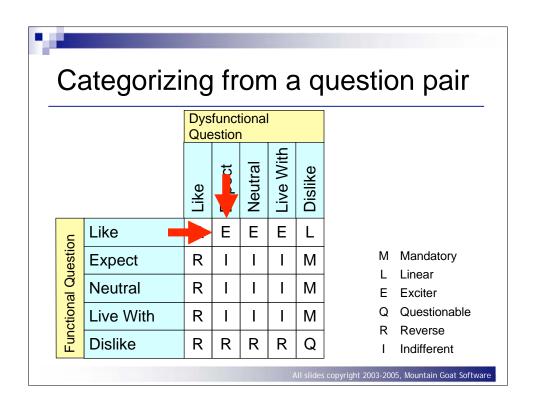












Aggregating results

Theme	Exciter	Linear	Mandatory	Indifferent	Reverse	Questionable
Apply formatting themes	6	21	62	2	5	4
Automate report execution	8	43	39	8	2	0
Export reports to PowerPoint	42	18	27	9	2	2

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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 some amount of exciters

Today's agenda ✓ Prioritizing □ Project chartering □ Working with the developers □ Establish a financial model





Elevator statement

- A short statement of the product's positioning
- Explains the product to someone in 2 minutes
- Follows this syntax

For (customer)

Who (statement of need or opportunity)

The (product name) is a (product category)

That (key benefit, compelling reason to buy).

Unlike (primary competitor)

Our product (statement of primary differentiation).

Sources: Crossing the Chasm by Geoffrey Moore

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Example elevator statement

- For dentists and their assistants who need to efficiently schedule appointments Dental Clinic 2.0 is desktop and web-based appointment scheduling software that supports office and remote access.
- Unlike competitive products, Dental Clinic 2.0 is easy to use and aggressively priced.





Product vision box

- Design a box for the software
 - □ Even if the software won't ship in a box
- Write 3-4 key bullet points to sell the software
 - □ Easier to come up with 15
 - ☐ The challenge is distilling the list to 3-4 key points



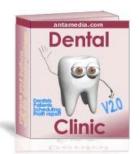
Sources: Agile Project Management by Jim Highsmith.

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Sample product vision box

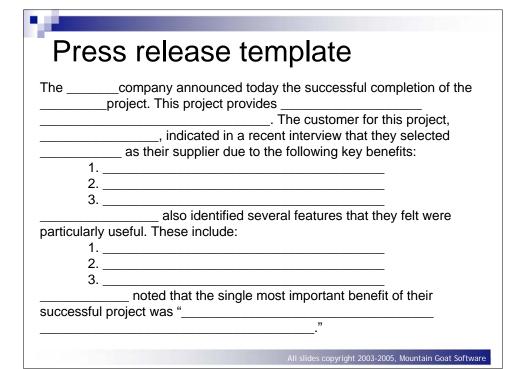
- Easy integration with most insurance systems
- Support for multiple chairs with appointment setting by chair
- Multi-language support
- One click database backup





Press release to come

- Collaboratively write the press release you'd like to see released at the end
 - □ What are the key points you'd make about the product
 - □ What quotes would you have and who would they be from?
 - CEO? Team members? Customers?





Magazine review

- Write the review you'd like to see in PC Magazine
 - ☐ Use whatever magazine you'd like or even make one up
- What key features would be singled out?
- What will be said about your product compared to the prior version? Competitors?

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Today's agenda

- ☑ Prioritizing
- □ Working with the developers
- □ Establish a financial model



Communicate the driving factor

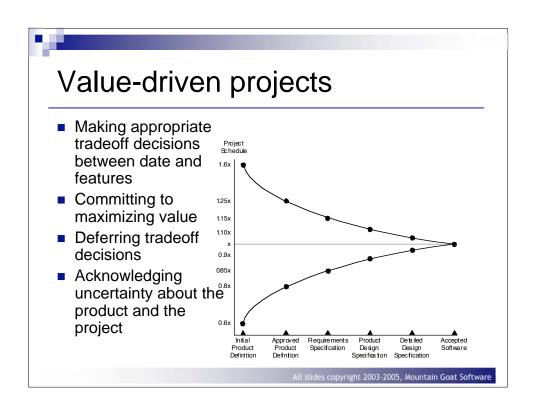
- Be clear about what's driving the project
 - ☐ Usually date or features
 - But NOT both
- Feature-driven projects
 - □ Project will ship when the desired features have been developed
- Date-driven projects
 - □ Project will ship on the date, regardless of whether all desired features are included

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Example date-driven projects

- Tax software
- Software to comply with periodic changes in government regulations
- Software for fantasy football
- The Olympics



Tradeoff matrix **Tradeoff Matrix Target** Fixed Firm Flexible 300+ Scope story points Schedule 4-5 months \$400k Resources 1 high bug Low Defects per month All slides copyright 2003-2005, Mountain Goat Software

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Set high expectations

- You do not control HOW the development team does its work
- But you do get to say WHAT they produce and WHEN it's produced
 - I don't tell a mechanic how to fix my car, but I do ask for an estimate, say what type of parts to use, approve work, and may call for a progress report if it's a big job

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Some expectations you should have

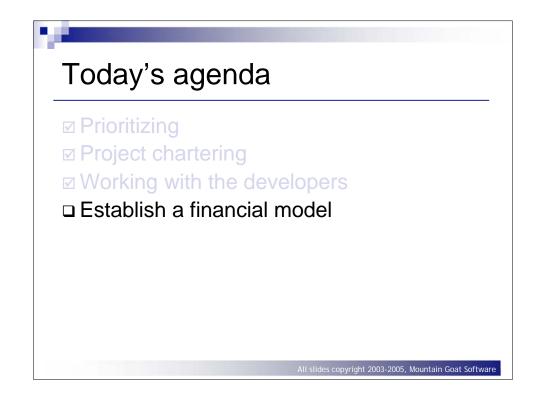
"I want to be able to see progress at least once a month. And I'm only going to measure progress through working, tested features."

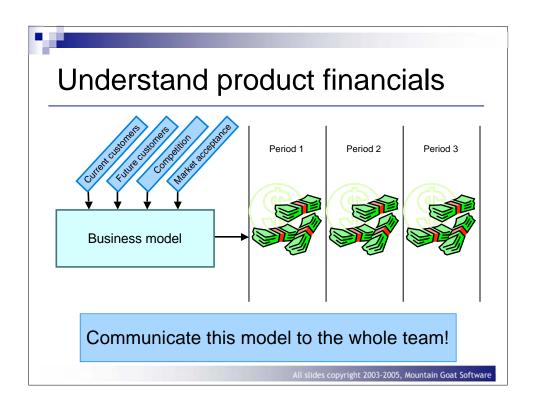
- Encourages iterations.
 Stresses importance of
- Stresses importance of consistent focus on quality.
- Provides insight into progress.

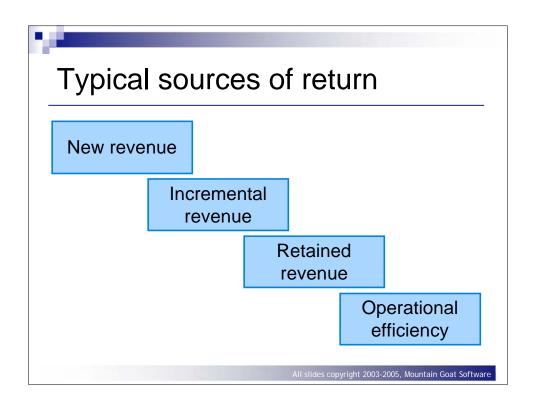
"At least once a month, I want my hands on the keyboard to try out new features."

- Ensures a focus on uservisible features, not just frameworks and architecture.
- Avoids a demo of a snake.

Some more expectations "My computer runs automated tests when I Ensures team will turn it on. I expect this automate tests. application to have similar automated tests." Too aggressive or too lax are not motivating. Teams work fastest with Set realistic deadlines. realistic deadlines. Be careful of making it all about the date. All slides copyright 2003-2005, Mountain Goat Software









An example

Q	Dev. Cost	New Revenue	Incr. Revenue	Retained Revenue	Oper. Efficiencies	Net Cash Flow
1	-90,000	0	0	\$2,000	0	-88,000
2	-30,000	\$2,500	\$1,600	\$2,000	0	-23,900
3	0	\$3,750	\$5,000	\$2,000	\$7,500	18,250
4	0	\$3,750	\$7,500	\$2,000	\$7,500	20,750
5	0	\$7,500	\$10,000	\$4,000	\$7,500	29,000
6	0	\$7,500	\$10,000	\$4,000	\$7,500	29,000
7	0	\$7,500	\$10,000	\$4,000	\$15,000	36,500
8	0	\$7,500	\$10,000	\$4,000	\$15,000	36,500

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Useful financial measures

- Net present value
 - ☐ The present value of the money the project will earn
- Return on investment / internal rate of return
 - ☐ The rate of return earned by the project per a period of time
- Discounted payback period
 - ☐ The amount of time until a project pays back its initial investment

Droid	ect (them	α	amnario	on m	atriv	v
i ioje		10)	Jilipalis		ialii	^
Theme	Story Points	Cost	3-Year Return	NPV	IRR	Payback
Theme A	25	\$150	\$1,085	\$448	133%	
Theme B	32	\$192	\$2,109	\$940	172%	
Theme C	90	\$540	\$2,537	\$883	89%	
Theme D	48	\$288	\$1,360	\$443	76%	
Theme E	55	\$330	\$900	\$191	48%	
Theme F	79	\$474	\$1,365	\$331	56%	
Theme G	90	\$540	\$5,964	\$2,519	139%	
Theme H	50	\$300	\$2,415	\$1,023	146%	
Theme I	15	\$90	\$1,600	\$747	221%	
Theme J	30	\$180	\$640	\$182	65%	
Theme K	75	\$450	\$516	(\$104)	5%	
Theme L	40	\$240	\$171	(\$110)	-12%	
Theme M	80	\$480	\$1,025	\$142	36%	
Theme N	18	\$108	\$185	\$7	24%	
Theme O	35	\$210	\$423	\$50	33%	;
Theme P	24	\$144	\$188	(\$19)	12%	
Theme Q	15	\$90	\$102	(\$20)	5%	
Theme R	6	\$36	\$155	\$53	90%	
Theme S	65	\$390	\$410	(\$105)	2%	4
Theme T	12	\$72	\$1,505	\$748	355%	

