



Balance is critical

- If either side dominates, the business loses
- If the business side dominates...
 - ...functionality and dates are mandated with little regard for reality or whether the developers understand the requirements
- If the developers dominate...
 - ...technical jargon replaces the language of the business and developers lose the opportunity to learn from listening



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Resource allocation

- We need a way of working together so that resource allocation becomes a shared problem
- Project fails when the problem of resource allocation falls too far to one side





Responsibility for resource allocation

If developers are responsible...

- May trade quality for additional features
- May only partially implement a feature
- May solely make decisions that should involve the business

If the business is responsible...

- Lengthy upfront requirements negotiation and signoff
- Features are progressively dropped as the deadline nears

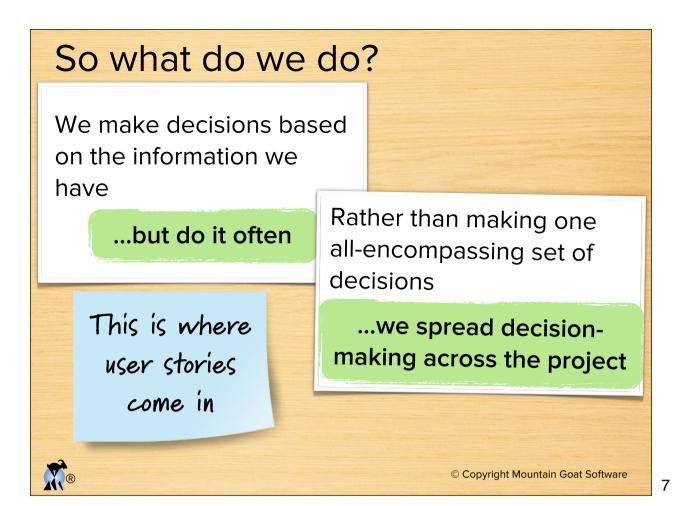


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Imperfect schedules

- We cannot perfectly predict a software schedule
 - As users see the software, they come up with new ideas
 - Too many intangibles
 - Developers have a notoriously hard time estimating
- If we can't perfectly predict a schedule, we can't perfectly say what will be delivered







Three Cs

Card

- Stories are traditionally written on note cards.
- Cards may be annotated with estimates, notes, etc.

Conversation

 Details behind the story come out during conversations with product owner

Confirmation

 Acceptance tests confirm a story was coded correctly



Source: XP Magazine 8/30/01, Ron Jeffries.

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Samples from a travel website

As a user, I want to reserve a hotel room.

As a vacation traveler, I want to see photos of the hotels.

As a user, I want to cancel a reservation.

As a frequent flyer, I want to rebook a past trip so that I save time booking trips I take often.



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Where are the details?

- As a user, I can cancel a reservation.
 - Does the user get a full or partial refund?
 - Is the refund to her credit card or is it site credit?
 - How far ahead must the reservation be cancelled?
 - Is that the same for all hotels?
 - For all site visitors? Can frequent travelers cancel later?
 - Is a confirmation provided to the user?
 - How?



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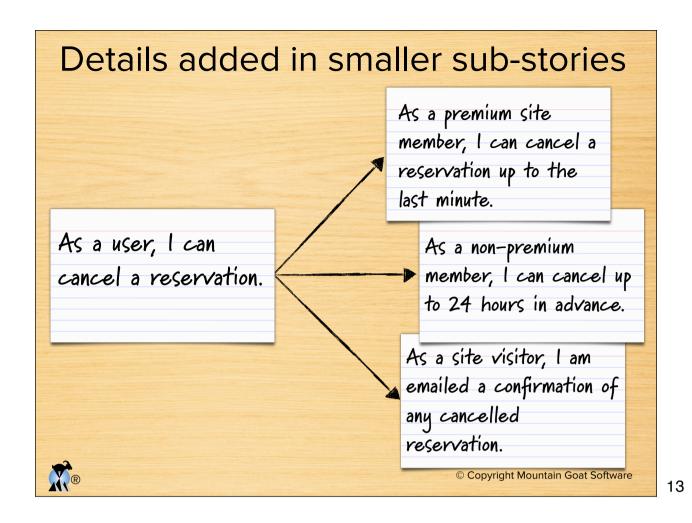
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Details as conditions of satisfaction

As a user, I can cancel a reservation.

- The product owner's conditions of satisfaction can be added to a story
- These are essentially tests
- □ Verify that a premium member can cancel the same day without a fee.
- □ Verify that a non-premium member is charged 10% for a same-day cancellation.
- □ Verify that an email confirmation is sent.
- □ Verify that the hotel is notified of any cancellation.

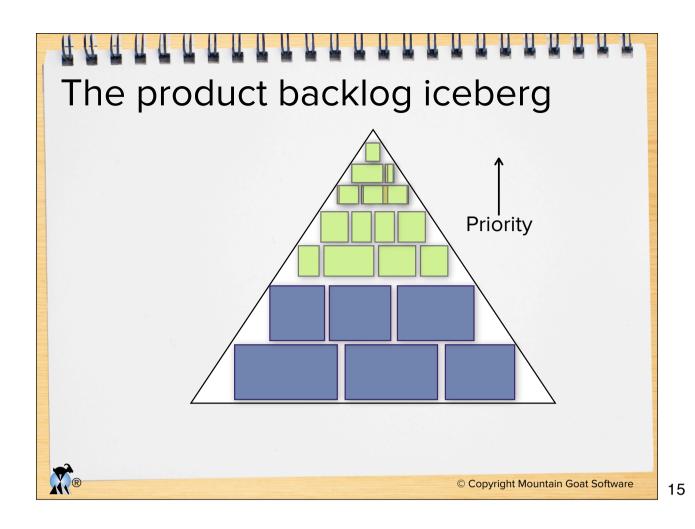




Techniques can be combined

- These approaches are not mutually exclusive
- Write stories at an appropriate level
- By the time it's implemented, each story will have conditions of satisfaction associated with it



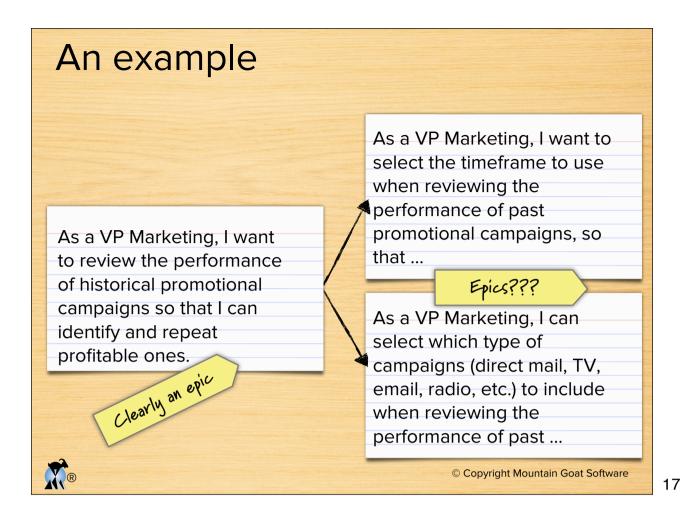


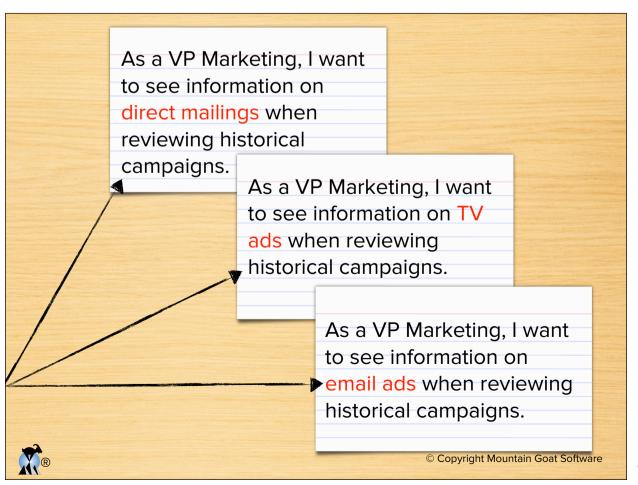
Some additional useful terms

Theme
A collection of related user stories

Epic
A large user story

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Logging in

- See how many user stories you can write about logging in.
- Examples:
 - As a registered user, I am required to log in so that I can access the system.
 - As a forgetful user, I can request a password reminder so that I can log in if I forget mine.

"As a <user role>,
I <want/need/can/
etc> <goal>
so that <reason>."



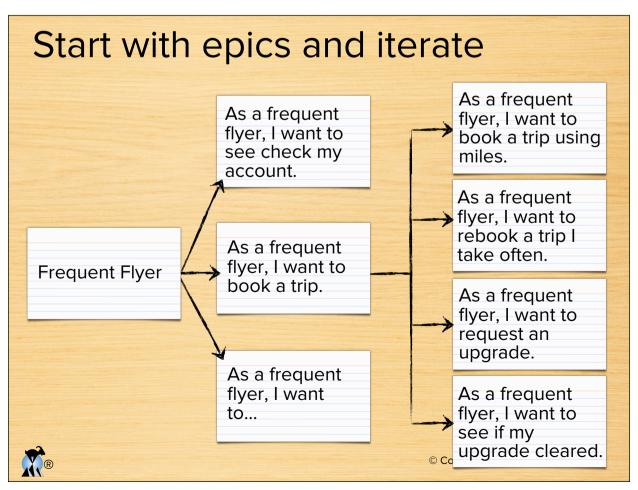
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Story-writing workshops

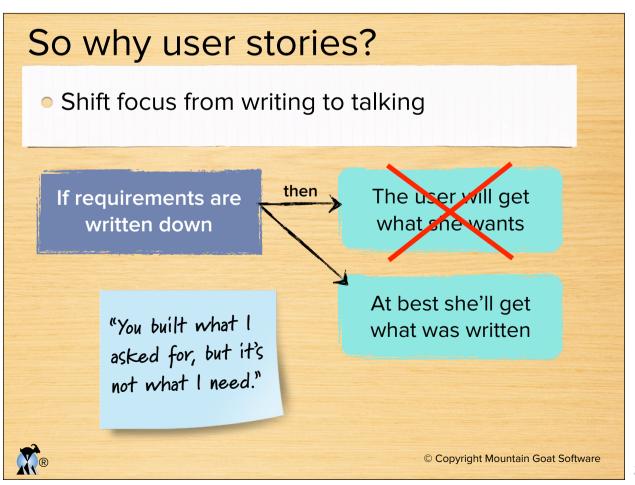
- Includes whole team plus possibly some external stakeholders
- Typically not done every sprint
- Brainstorm to generate stories
- Goal is to write as many stories as possible
 - Some will be "implementation ready"
 - Others will be epics
- No prioritization at this point



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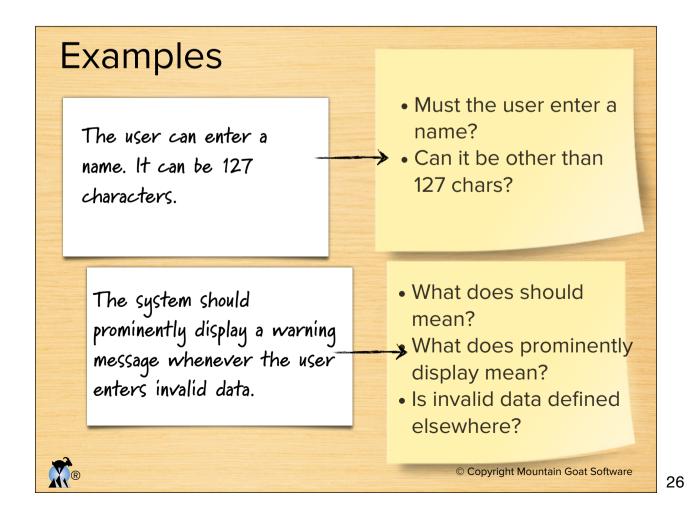






Words are imprecise Entrée comes with soup or salad and bread. Which is right? • (Soup or Salad) and Bread • (Soup) or (Salad and Bread)

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Additional reasons

- Stories are understandable
 - Developers and customers understand them
 - People are better able to remember events if they are organized into stories[†]
- Support and encourage iterative development
 - Can easily start with epics and disaggregate closer to development time

Bower, Black, and Turner. 1979. Scripts in Memory for Text.



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Yet more reasons

- Stories are the right size for planning
- Stories support opportunistic development
 - We design solutions by moving opportunistically between top-down and bottom-up approaches[†]
- Stories support participatory design

'Guindon. 1990. Designing the Design Process.



What if we had stories instead?



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Most importantly...

Don't forget the purpose

The story text we write on cards is less important than the conversations we have.



