

Enabling Specifications



by Jens OSTERGAARD



Product Backlog

- Work needed do be done to achieve vision
- The centerpiece for **DISCUSSION** about the product direction
- Emergent, ordered, estimated
- More detail on higher priority backlog
- High priority have maximum estimate of sprint length
- One list for multiple dev teams
- Product Owner responsible for ordering
- Anyone can contribute
- Maintained and posted visibly
- Comes from Business Plan, Brain Storming, Vision Statement, Proto Type, etc.



Product Backlog Items

- A.k.a. PBIs
- Issues, features, user stories, use cases, functions, requirements, specifications, fixes
- Are in the Product Owner space: what, not how
- Can start out very rough but evolve into enabling specifications if needed
- Lean thinking - Specifications should be ready just in time and specified just enough



Concepts

Epics

Feature

User Task

MMF (Minimal Marketable Feature)

Activity

Theme

Task

PBI (Product Backlog Item)

User Story

Story Mapping



User Story

A UserStory is a story, told by the user, specifying how the system is supposed to work, written on a card, and of a complexity permitting estimation of how long it will take to implement.

The UserStory promises as much subsequent conversation as necessary to fill in the details of what is wanted. The cards themselves are used as tokens in the planning process after assessment of business value and [possibly] risk. The customer prioritizes the stories and schedules them for implementation.

-- RonJeffries



User Story

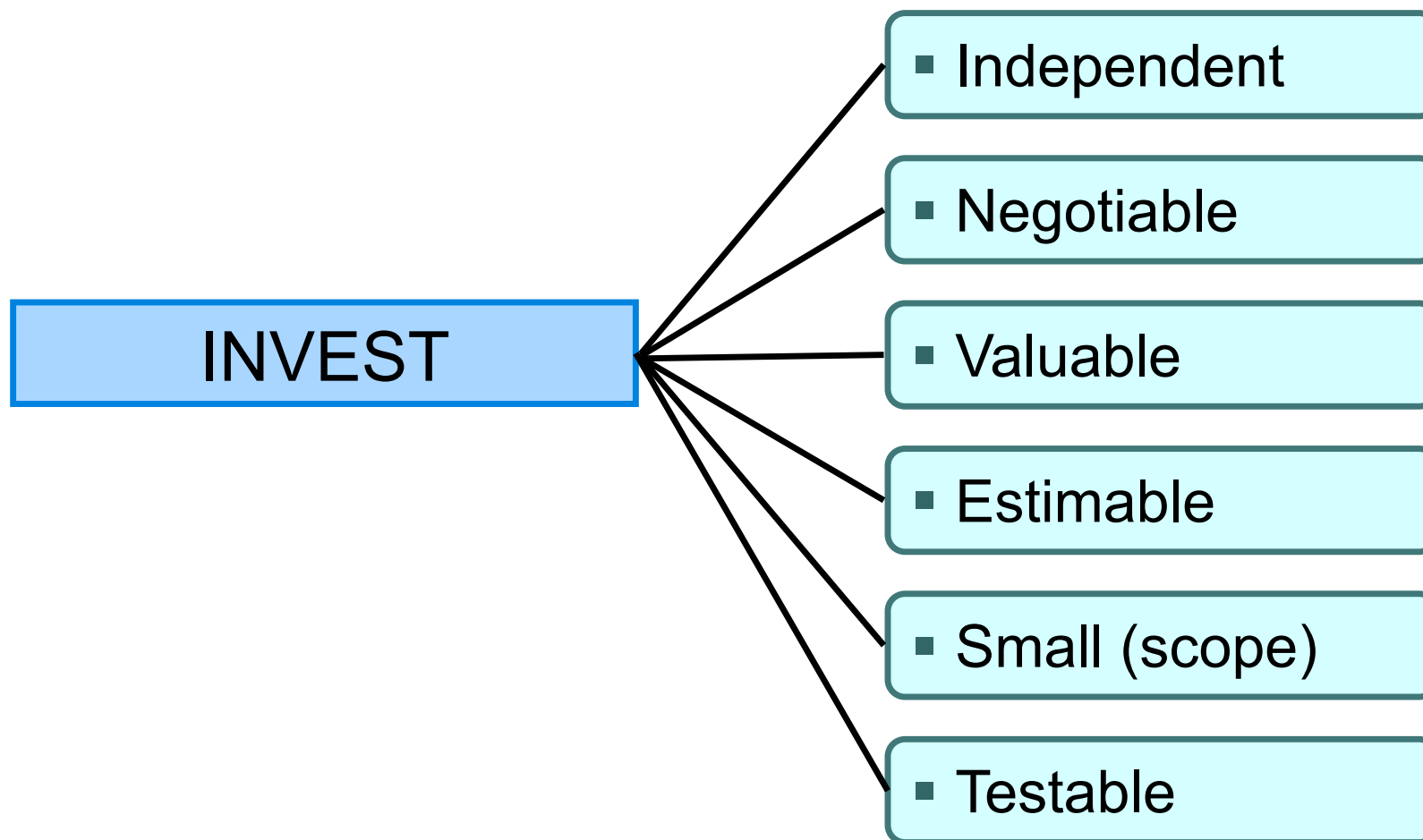
As a/an <type of user>,
I want <some goal>
so that <some reason>

The “so that” line is generally considered optional, but used as a default

Vague in solution but exact in problem



INVEST in your backlog



Thanks to Bill Wake for the acronym.
See www.xp123.com.



User Stories Example

- As a sleeper I want to be able to set the alarm on my cell phone so I can get up in the morning.
- As a snoozer I want to be able to activate 'snooze' when the alarm goes off, so I can sleep 10 minutes more.
- As an over sleeper I want to set the alarm so I can get up at the same time every morning.

Courtesy Gertrud Bjørnvig



Details added as **conditions of satisfaction**

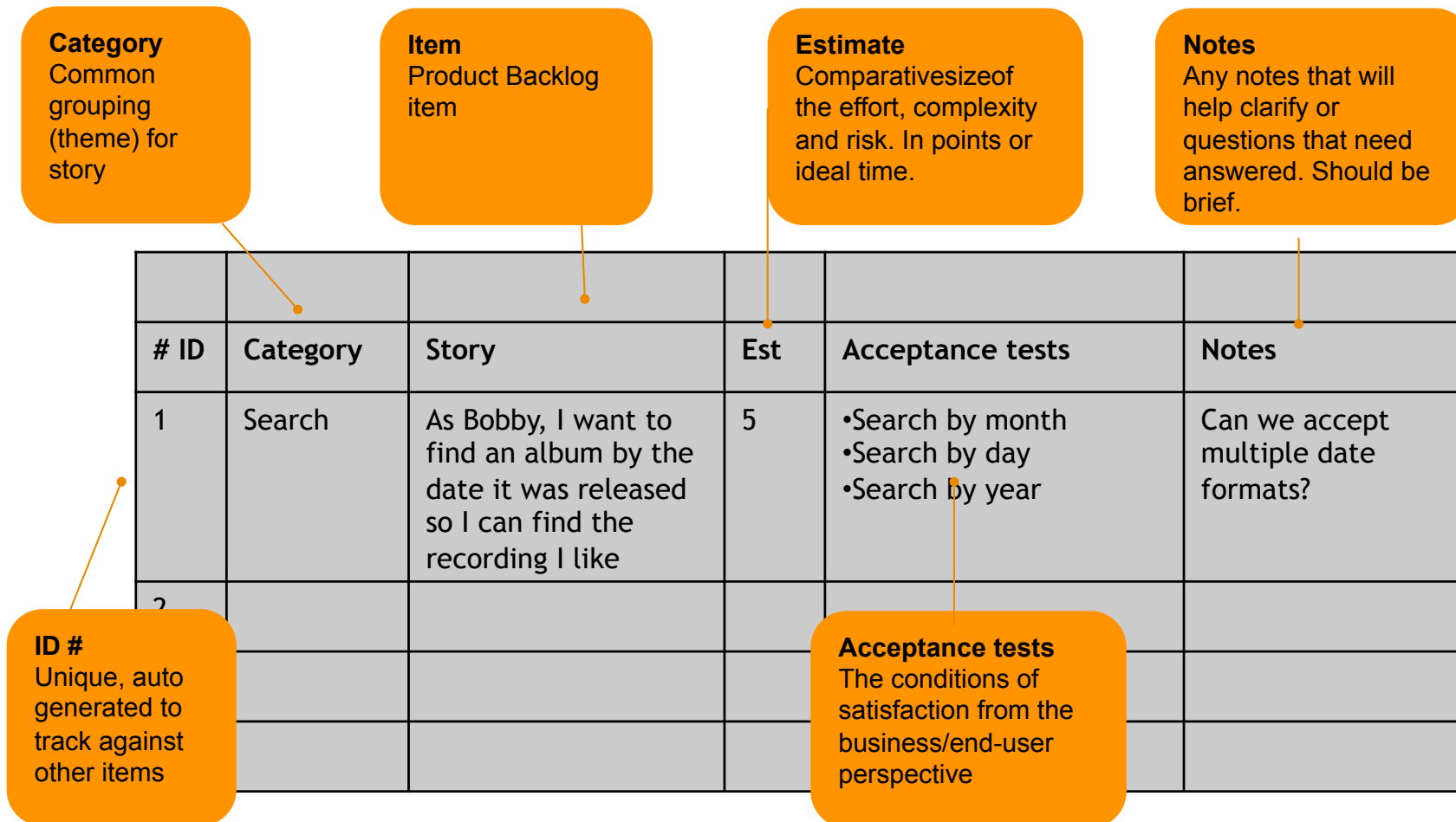
High level tests are added to the story

Can be used to express additional details and expectations

As a user, I can cancel a reservation.

- 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.
- Figure out what to do if the user's card is expired.

Example Product Backlog





Product Backlog Peeltly

File Edit View Insert Format Data Tools Help All changes saved in Drive

1 other viewer

Comments Share

	A	B	C	D	E	F	G	H
		Prio	Est	Owner	PBI / Story	Acceptance	Comment	
1								
2								
3	Sprint 14	1	13	Jens	As a Top 3 player I want to be able use my facebook account so I can publish Top 3	<ul style="list-style-type: none"> * Show that you can create a facebook account in the app * Show that you can see your facebook account * Show that you can update your facebook account * Show that you can delete your facebook account 		
4	Sprint 14	3	5	Jens	As a Top 3 player I want to share my Top 3 on Facebook so my friends can see it	<ul style="list-style-type: none"> * Show a message "Your Top 3 will be published on <account>" OK Cancel * Show that you can not publish if the user does not have a valid account * Show that all friends can see it on facebook * Show an error message if user trying to publish on an invalid account * Show that you can click "LIKE" in facebook * Show that you can comment on facebook 	Wait for facebook	
5	Sprint 14	6	8	Katka	As a facebook user I want the Top 3 to look nice so my friends like it	Show that Katka's facebook design is implemented	wait for facebbok	
6	Sprint 14	8	5	Jens	As a Top 3 player I want to be able send an email containing my Top 3 so I can chose who will see it	<ul style="list-style-type: none"> * Show that Top 3 is in the mail * Show that there are 2 empty lines above the top 3 * Show that there are 2 empty lines below the Top 3 * Show that it has the Katka design * Show that subject says "Top 3 <artist name>" 	Top 3 should not be an attachment, but in the mail iself	
7	Sprint 14	10	5	Jens	As a Top 3 player I want to be able use my twitter account so I can publish Top 3	* Show that it has the Katka design	Keep one "Top 3" information in twitter	
8	Sprint 14	12	3	Jens	As a gamer in Song vs Album I want to see what time I did it so I can do it faster next time	<ul style="list-style-type: none"> * Show the time * Show that some of the my 5 best have time and some don't 	<ul style="list-style-type: none"> * Time to play the game (maximum 59:59) * Should only be visible if you have less than 10% incorrect 	
9	Sprint 14	16	13		As a PO I want to scale Top 3 to a version where you do Top 5 so I can list more favourites	<ul style="list-style-type: none"> * Show that you can copy the 3 Top songs from Top 3 * Show that you don't copy empty slots from Top 3 * Show that the copied songs from Top 3 have the same position in Top 5 * Show that it overrrides what is currently in the top 3 positions when you copy from Top 3 	Should work exactly as Top 3 but we need new design so we can fit 5 songs	
10		18	13	Trinstan	Make a developer document			
11		20		Jens	As a Top 3 player I want to be able use my google+ account so I can publish Top 3			
12		22		Jens	As a Top 3 player I want to be able use my qq account so I can publish Top 3		We need Chinese artists	
13		28			As a Top 3 player I want to be able use my instagram account so I can publish Top 3			
14		30			As a Top 3 player I want to be able use my weibo account so I can publish Top 3		We need Chinese artists	
15		35		Katka	Implement new design for welcome page	* Show that functionality have not changed		

Product Backlog



Why Splitting a User Story

- We understand it better
- Small stories are easier to implement correctly
- We see that some parts of the big item aren't worth doing

Splitting a User Story



Workflow

As a flight passenger I can print my boarding card
.....my boarding card after choosing seat
.....my boarding card after choosing meal

Variations

As a student I can see all my classes in specified time
.....my classes in week 42
.....my classes between October 10 and 17
.....my classes in October



Alternative business rules

As a web shopper I can pay for my goods

.....I can pay with credit cards

.....I can pay with bank transfer

Screen

As a puzzle wizzard I want to puzzle online

.....I can chose puzzle

.....I can puzzle

Field on Screen

As an ebay user I want to search on Beatles items

.....I want to search on Beatles memoriblia in a specific country

.....I want to search on Beatles memoriblia in a price range



Data Output

As a bank customer I want to see my account balance

.....I want to see my account balance online

.....I want to see my account balance in an ATM

Performance

As a Leisure Suite Larry game player I want to finish the game in 6 hours

.....I want to move Larry across the screen in 3 seconds

.....I want a scene switch to take no more than half a second



Operations (Create Read Update Delete)

As a movie nerd I want a movie subscription account

.....I want to create an account

.....I want to see my account

Spike

As a weather maniac I want to see the weather in Toronto every day

.....I want the team to run a spike to find an estimate

By Person

By Age

By Knowledge

Etc.



Parameters For Ordering

1. Importance
2. Effort
3. Business Value
4. Risk
5. ROI
6. Environment
7. Release Date
8. Etc.



Estimation

- The Development Team estimates the PBI's
- The Product Owner do NOT estimate
- The Product Owner clarifies PBIs to support estimation
- PBI's in Product Backlog are estimates, not commitments
- PBI's in sprint are commitments, not a guarantee



Estimation

Detailed Specifications (detailed estimation)

No Estimation

Hours

Days

Ideal Days

Fibonacci

T-Shirt sizes

Order of size

1, 2 To Big

Now – Not Now



How to prioritize

- MoSCoW
 - **M**ust have this (also **M**inimal **U**sable **S**ubse**T**)
 - **S**hould have
 - **C**ould be nice to have
 - **W**on't have this – maybe later
- Kano Analysis
 - A way to measure customer satisfaction

MoSCoW Developed by Dai Clegg of Oracle UK Consulting;
in CASE Method Fast-Track: A RAD Approach



Kano Analysis

- Noriaki Kano: Quality is subjective
 - *Kano analysis is a quality measurement tool used to prioritize customer requirements based on their impact to customer satisfaction.* [John Carter, isixsigma.com]
- We can divide perceived quality into four groups
 - **Exciters**: positive, beyond expectation
 - **Performers** (or **Satisfiers**): linear qualities – the more the better
 - **Basic needs**: we expect them to be there, if not we are dissatisfied
 - **Indifferent**: we don't expect them, and we don't care. Some might be annoying.

Funktioner i en mobil netbank



- **Basic Needs:**
 - Sikkerhed
 - Kontooverblik
 - Posterings
 - Kontooverførsel
- **Satisfiers/Performers:**
 - Betalingsoversigt
 - Indbetalingskort
 - Depotoverblik
 - Depotbevælgelser
 - Kursliste
 - Investering
 - Valutakøb
- Kortoversigt
- Spær kort
- Valutaomregner
- Find afdeling
- Find hæveautomat
- **Exciters:**
 - Personaliser
 - Skift baggrund
 - Favoritfunktioner
 - Ring til rådgiver