### Turning Stories into Software

Donna Benjamin donna@catalyst-au.net @kattekrab #lca2018 #stories

# Hello. Who are you?

### What is a User Story?

As a user...





#### As a goat I want a purr programmer who can help me out

#### so that the work gets done with multiple perspectives. @GoatUserStories

# But... where do user stories come from?



David Hussman no Workshop Exploring Agile Project Parameters by Improveit on Flickr - CC-BY-SA

EXECUTAR

REQUIREMENT

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OF OWNER

TECHNICHL

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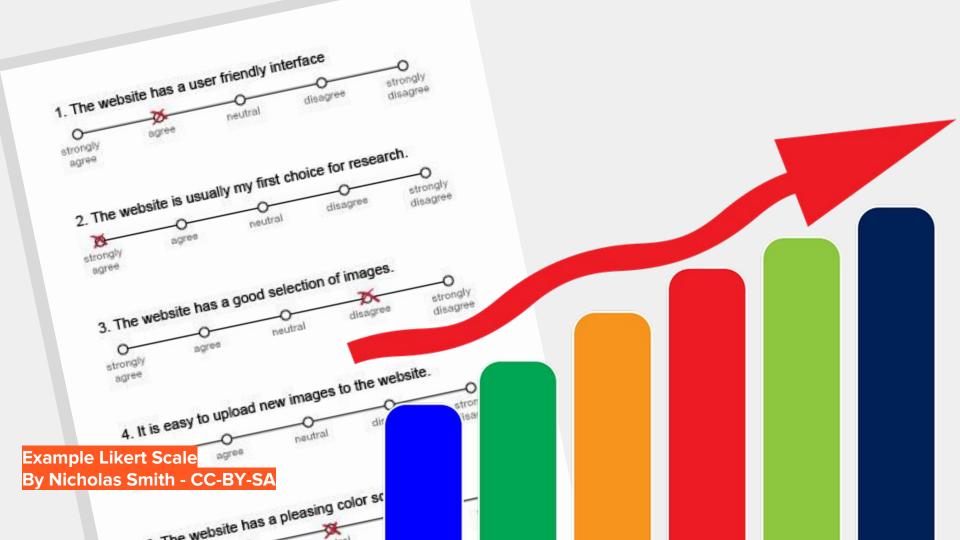
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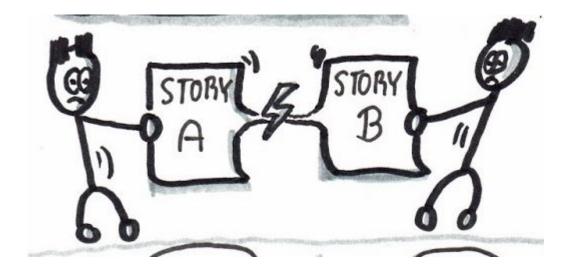


### **Competitive analysis**

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4	News							1			1	1	3	
5	Calendar / Events				1		1	1			1	1	5	
6	Courses	1	1	1	1	1	1	1			1		8	
7	Graduates	1			1	1			1			1	5	
8	Handbook	1			1	1			1				4	
9	Learning									1			1	
10	Living				1					1			1	
11	Students	1		1				1	1		1	1	6	
12	Overseas Students	1			1				1				3	
13	People / Staff				1				1	1			3	
14	Departments / Institutions		1	1	1						1		4	
15	Research		1		1				1		1		3	
16	Donations / Giving		-				1			1		1	3	
17	Resources / Misc	1					1				1		3	
18	Community				1								1	
19	Publications	1						_			_		1	
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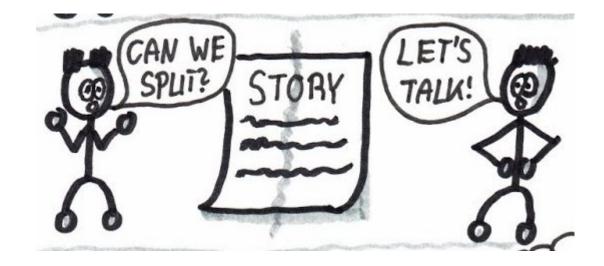
### **Prototype** and iterate





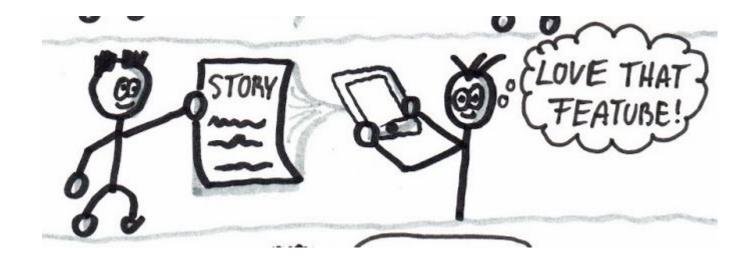
### I – Independent

Cartoon from tiny.cc/story-invest



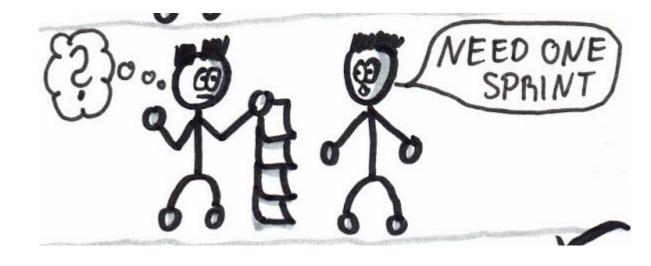
### N – Negotiable

Cartoon from tiny.cc/story-invest



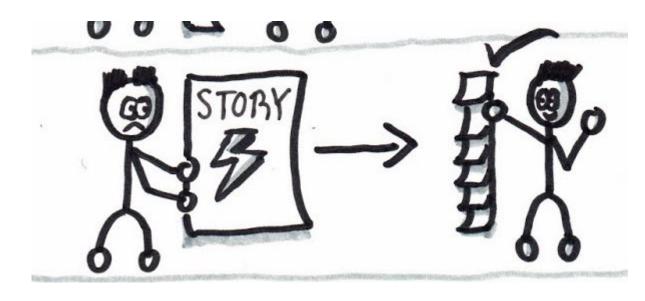
### V – Valuable

Cartoon from tiny.cc/story-invest



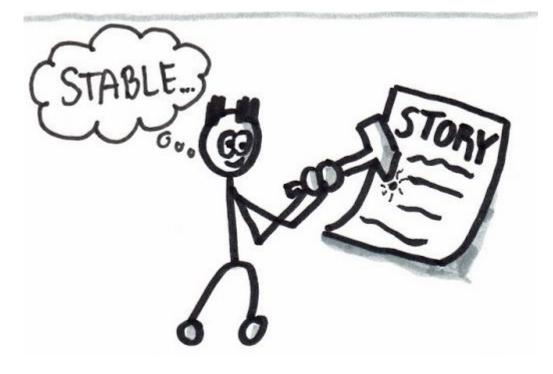
### E - Estimable

Cartoon from tiny.cc/story-invest



### S – Small

Cartoon from tiny.cc/story-invest



### T – Testable

Cartoon from tiny.cc/story-invest



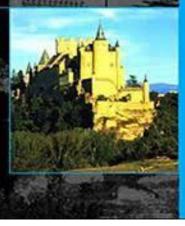
### **User Stories Applied** Mike Cohn

USER STORIES APPLIED For Agile Software

The Addison-Wesley Signature Series

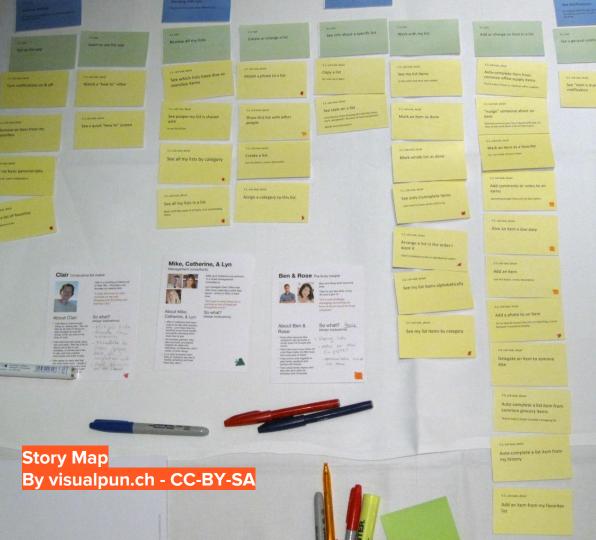
DEVELOPMENT

MIKE COHN Foreword by Kent Beck



# The big picture





#### O'REILLY<sup>®</sup>

### User Story Mapping

DISCOVER THE WHOLE STORY, BUILD THE RIGHT PRODUCT

> Jeff Patton with Peter Economy Forewords by Martin Fowler, Alan Cooper, and Marty Cagan

## Team work

### **Group dynamics**

### **Telling stories**

### **Estimating effort**

### Shared understanding

# The habitat

### Complex

Enabling constraints Loosely coupled probe-sense-respond Emergent Practice Complicated

Governing constraints Tightly coupled sense-analyse-respond Good Practice

Chaotic Lacking constraint De-coupled act-sense-respond Novel Practice

### Obvious

Tightly constrained No degrees of freedom sense-categorise-respond Best Practice

# Cynefin

### **Dave Snowden**











# 50 what are we building?

#### **Conference** website

### Media sharing website

#### Research agency website

### Personas

# As a potential delegate...

### I want to know the date of the conference

### so I can see if it suits my schedule this year

### As a future speaker...

### I want to submit a talk proposal

### so I might be invited to speak at this conference

### As a conference organiser...

### I need to review and evaluate talk proposals

### so we can create a good conference program.

## **User roles**



#### **Authenticated users**.

#### Admin users.

#### Roles 🕸

List	Permissions	Roles

#### Home » Administration » People

A role defines a group of users that have certain privileges. These privileges are defined on the Permissions page. Here, you can define the names and the display sort order of the roles on your site. It is recommended to order roles from least permissive (for example, Anonymous user) to most permissive (for example, Administrator user). Users who are not logged in have the Anonymous user role. Users who are logged in have the Authenticated user role, plus any other roles granted to their user account.

#### + Add role

		Show row weights
NAME	OPERATIONS	
🕀 Anonymous user	Edit -	
+ Authenticated user	Edit -	
↔ Administrator	Edit -	



PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR
Block			
Administer blocks			Ĩ
Comment			
Administer comment types and settings Warning: Give to trusted roles only; this permission has security implications.			
Administer comments and comment settings			Ø
Edit own comments			9
Post comments			
Skip comment approval			Ĩ
View comments		<b>S</b>	

#### Site administration

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ers		+ Add	🥜 Change
User permissions: Available user permissions		Chosen user permissions	_
٩		Select your choice(s) and click 💽	
message   Can add message message   Can change message group   Can delete message group   Can add group group   Can change group user   Can delete group user   Can delete group user   Can delete user	•	bookmark   Can add bookmark bookmark   Can change bookmark bookmark   Can delete bookmark tag   Can add tag tag   Can change tag tag   Can delete tag link   Can add link link   Can change link link   Can delete link	*

#### Recent Actions My Actions None available

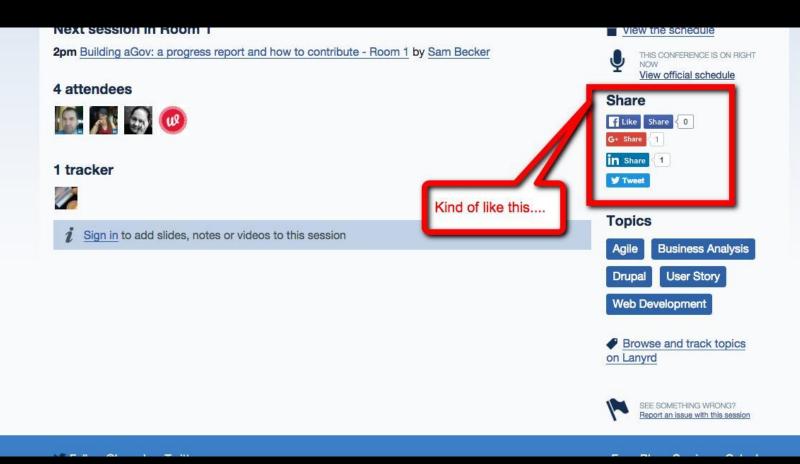
# Breaking It down

### As a speaker with an accepted talk

#### I want to share my talk on social media

### so that people will come to see it.

### social platform logos should appear on every talk page



 clicking on each logo should pre-populate a post with the URL & session details

Lanyrd.COM	Add an event Dashboard	Conferences	Speakers	Video	Slides	L Sign in Q
	https://twitter.com	vith your follo	owers		%20websites%20	•••••• <ul> <li>Sign in to track this session</li> </ul> ••••••••••••••••••••••••••••••••••••
The world of agile project how do they relate to bu This session will outline a a project, and working wit					quirements of	/HEN ime 1:40pm-2:00pm EST ate Mon 8th February 2016 WHERE Room 1, National Museum of Australia

# Getting social

### **Choosing the right contributed modules**

#### Resource Guide: Social Media and Drupal

Drupal makes it easy to integrate all of the popular Social Media platforms with your website.

There are dozens and dozens of modules available to integrate your website with Facebook, Twitter, Google+, LinkedIn, Pinterest, Instagram, Flickr, YouTube, TumbIr, and more. Post to multiple sites, aggregate newsfeeds, track followers – if you want to integrate your website with Social Media, there's probably a Drupal module or distribution available to fit your needs.



#### drupal.org/resource-guides/social-media-and-drupal

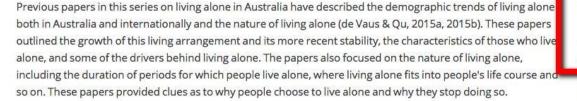




#### Living alone and personal wellbeing

David de Vaus and Lixia Qu

Australian Family Trends No. 10 — December 2015



This paper investigates living alone through a different lens. It seeks to shed light on some of the consequences. It focuses on three sets of possible outcomes in the areas of:



L DOWNLOAD PUBLICATION

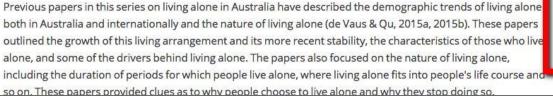
Download printable PDF (334.73 KB)

SHARE

#### Living alone and personal wellbeing

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Australian Family Trends No. 10 — December 2015





#### L DOWNLOAD PUBLICATION

#### v <div class="layout-sidebar">

> <div class="panel-pane pane-block pane-service-links-service-links">...</div>

### drupal.org/project/service\_links



#### Download & Extend

Download & Extend Home Drupal Core

Distributions

Modules Themes

#### Service links

#### Version control Automated Testing

Posted by TheCrow on December 11, 2005 at 6:57pm

Service Links facilitates the adding of social networks links or javascript buttons within the content with a special focus on developers and themers interested to extend their number or customize their displaying. Built on Drupal for Drupal doesn't include commercial advertising or spying hidden code and doesn't require third part libraries.

The services included are various: del.icio.us, Digg, Facebook/Facebook Share/Facebook Like, Furl, Google Bookmark/Google Plus One, IceRocket, LinkedIn/Linkedin button counter, MySpace, Newsvine, Reddit, StumbleUpon, Technorati, Twitter/Twitter widget, Yahoo Bookmark, and many more, they are split for language in different packages: basque, dutch, farsi, german, hungarian, italian, polish, russian, spanish, swedish.

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#### Maintainers for Service links

Simon Georges - 5 commits last: 2 years ago, first: 2 years ago

TheCrow - 292 commits last: 2 years ago, first: 6 years ago

View all committers View commits

#### Issues for Service links

To avoid duplicates, please search before submitting a new issue. Advanced search

# Stories.

### People collaborate, Product evolves.



http://agilereference.org/

http://www.subcide.com/articles/how-to-write-meaningful-user-stories/ http://jpattonassociates.com/user-story-mapping/ http://www.wunderkraut.com/blog/iterations-for-drupal-development/2015-01-08 http://www.romanpichler.com/blog/personas-epics-user-stories/ https://www.drupal.org/resource-guides/social-media-and-drupal http://xp123.com/articles/invest-in-good-stories-and-smart-tasks/ http://tiny.cc/story-invest

http://www.agile42.com/en/blog/2013/12/11/cynefin-framework/



### **Turning Stories into Software**

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#### Gathering stories

- Workshops
- Interviews
- Surveys
- Competitive analysis
- Prototype and iterate

Break into chewable chunks

• INVEST

Team work - how will we do it?

- Telling each other the stories
- Estimate effort time, skills?
- Shared understanding of the habitat (CYNEFIN)

Practical Examples Personas/Roles/RBAC & Acceptance criteria

- Conference site
  - Delegate
  - Speaker
  - Organiser
- Media sharing
- Research agency

Can we get there faster by using plugins, extensions, modules, libraries, frameworks?

Let's be honest, How often are we really building something new? Instead, extend and contribute to the field.

Stories are the soul of the agile approach to software development. Agile manifesto: People collaborate, product evolves.