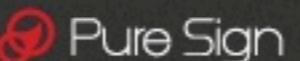
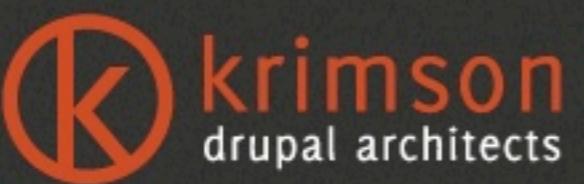




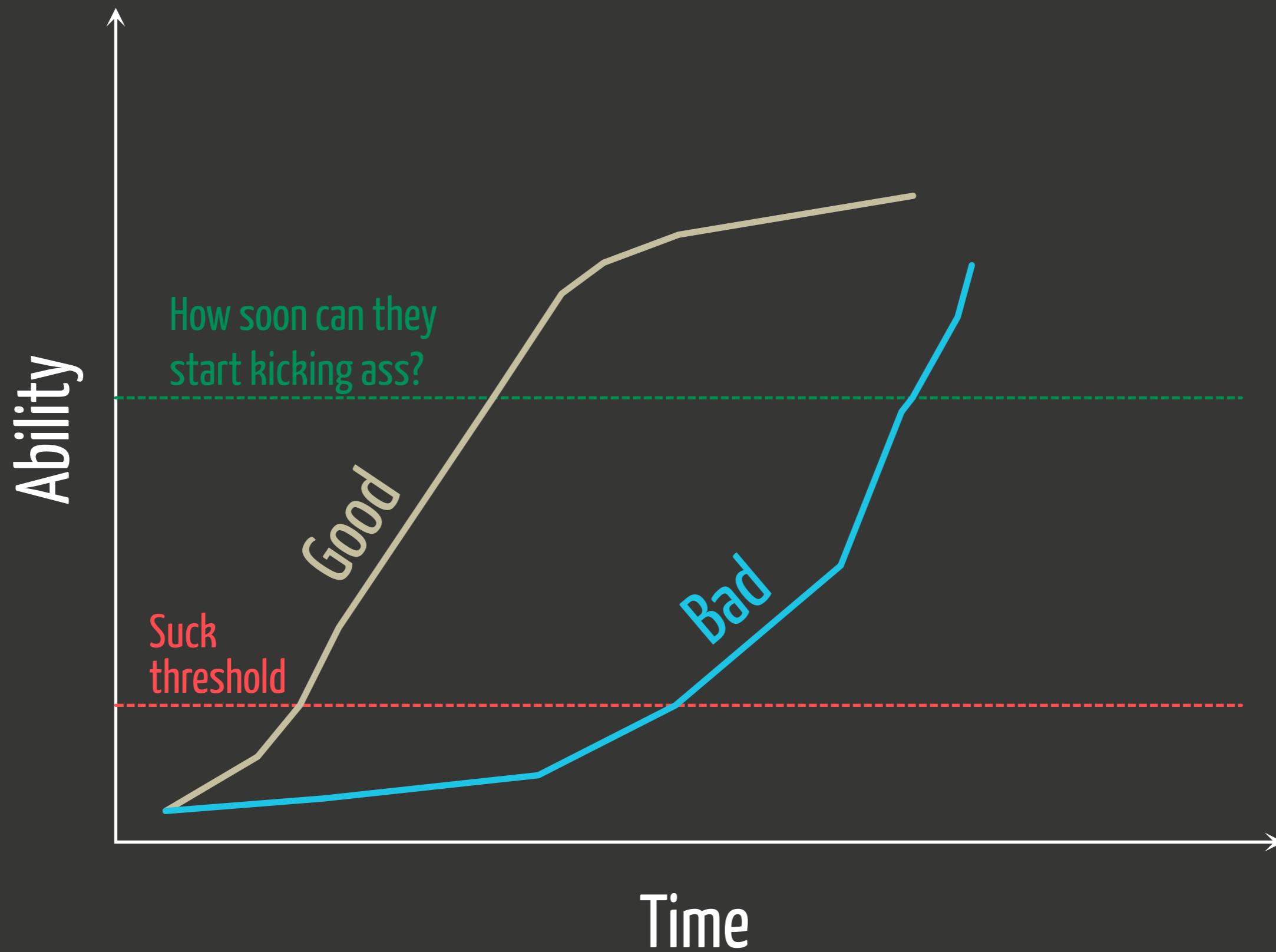
# Module Development - Get the Drupal started

Pieter-Jan Drouillon



WHY

this talk?



<http://buytaert.net/creating-passionate-users>

# WHO

## is talking?

@pjdrouillon | pieterjd.ulyssis.be

# DISCLAIMER

# DEFINE

your module

# Define your module

<name>.info file

name

description

core

files

Achmed's advice :)

sites/all/modules/<name>

# HOKS

When something happens...  
your module can hook in on it



DEMO

# hook\_menu

# FORMS

# To form or not to form ...

Forms = arrays

Form API

Reverse example

Add a menu entry

set callback to drupal\_get\_form

set argument to function returning render array

DEMO

# Let's add a submit function

<form\_function>\_submit(\$form, &\$form\_state)

DEMO

# What about ... Validation?

<form\_function>\_validate(\$form, &\$form\_state)

# BLOCKS

# QR Block

On every page

With a QR code

Use Google Chart API

[http://chart.googleapis.com/chart?  
chs=150x150&cht=qr&chl=<url>](http://chart.googleapis.com/chart?chs=150x150&cht=qr&chl=<url>)

# Define the block

hook block info

array with all the info

key > block name

info > Some information

hook block view(\$delta = '')

delta > name of block to render

returns render array

# PERMISSIONS

# To show or not to show ...

hook\_permission

array with all the info

key > permission's (short) name

title > permission's fullname

user\_access

checks if logged in user has the right permission

user 1 bypass

# PREPROCESS



# Drupalcamp 2012

Home

## Navigation

- [1 - Sample form](#)
- [5 - DD Theming](#)
- [Overview](#)

## User login

**Username \***

**Password \***

## Lorum

Submitted by admin on Tue, 05/08/2012 - 16:22

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

[Read more](#) [Log in or register to post comments](#)

DEMO

Read more >>

hook preprocess

process of preparing HTML code

\$author > name of author linking to user profile

hook preprocess hook

hook preprocess blog

DEMO

# hook\_form\_alter

# “I need a signature!”

DEMO

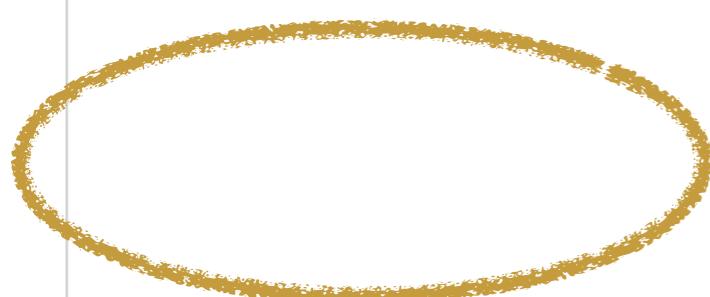
Create Message 

DrupalCamp 2012

Home » Add content

Subject \*

Message Text (Edit summary)



hook\_form\_alter

hook\_form\_FORM\_ID\_alter

“I sometimes need  
a legal disclaimer”

Add a checkbox

There's a catch :)

# theming

DEMO

# “I want my definition list”

Cannot just return html

use theming functions

theme(<hook>,...)

search in API for theme\_<hook>

# hook\_theme

array with all the info

key > name of theme (item\_list, dd, ...)

add a list of variables

write function to create HTML code

theme\_dd(\$variables)

# TAKEAWAY

Don't give up

Join a (local) community

Recommended books

Pro Drupal 7 development

Pakt Drupal 7 Module Development

Recommended sites

api.drupal.org, www.lullabots.com &  
www.drupalize.me, NodeOne

TODO: Check out Drush & github !

# Q&A



Feedback & follow-up:  
<http://drupalcampgent.be/feedback>

