Welcome to: C-05:

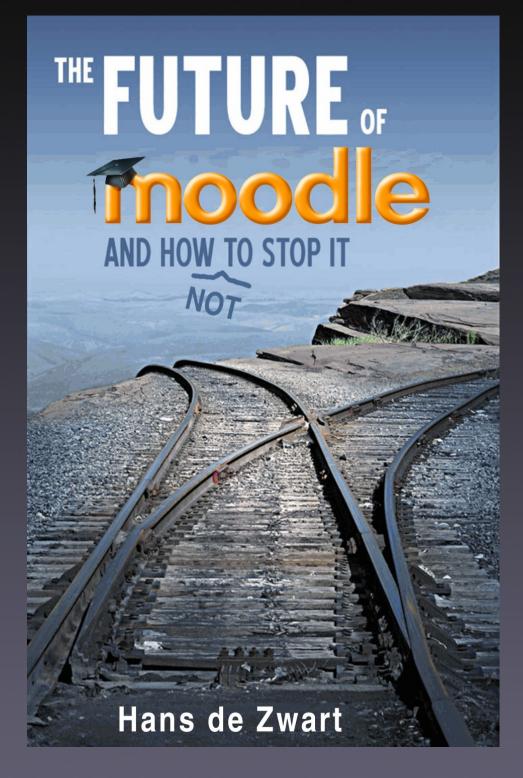
The Future of Moodle and How Not to Stop It





# THE FUTURE OF THE OF THE INTERNET AND HOW TO STOP IT

#### JONATHAN L. ZITTRAIN



### Let's all practice Elluminate



### Please tell us in the chat window in which country you are now...

### Everybody click the "yes" button

## Everybody click the "yes" button again

### Everybody click the "no" button

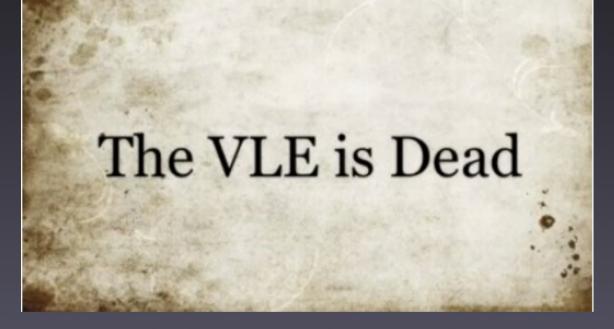
### Everybody click the "no" button again



### Please tell us in the chat window in one sentence why you chose to be at this particular session...



Did you in any way follow the debate about the death of the VLE (either the ALT-C 2009 video or any of the related blog posts)?



What are the main arguments from the people that believe the VLE is over?

### The VLE is the tool of masseducation (factory model)

## It manages learning and doesn't promote learning

The owner of the VLE is the institution, the beneficiary is the vendor



### Do you go to a VLE when you want/need to learn something?

# Why would you make your students go there?

The VLE is a silo/walled garden (boooo!)

It prevents learners from communicating with the external world

# It has failed to deliver on its promise

Martin Dougiamas at the Dutch Moodlemoot in May 2008:

"Generally I have been disappointed with how Moodle has been used"



### One of the reasons that we have VLEs:

Teachers could create their own webpages without having to know HTML

That raison d'etre is gone

There is a lot of free technology out there that can be utilised to create learning experiences

(Ning, MindMeister, Wikispaces, Wordpress, etc.)



Main	Invite	My Page	Events	Members	Groups	Photos	Videos	Chat	Forum	Blogs		
Latest Activity			Welco	ome	Hans de Zwart							
Sam Taylor commented on Sam Taylor's blog post 'video assignment' 3 hours ago				<i>For any operatives of the state of the</i>							Sign Out ➢ Inbox (2 new) ➢ Alerts ⑥ Friends – Invite Ø Settings Quick Add ▼ About Create a Nino Network! »	
a	Sam Taylor commented on Sam Taylor's blog post 'video assignment' 3 hours ago Jim Potts replied to Rob Hubbard's discussion 'Recording of my session at Learning Technologies Conference 2010'											
Here a												

#### This stuff feels "fresh" to use

It allows teachers to implement all the functionality they need using best of breed tools that are free It allows learners to create their own suite of applications: The Personal Learning Environment (PLE) In comparison, VLEs feel old, inflexible and clunky



### Does anybody know what year (month?) the first version of Moodle came out?

# Just guess in the chat window please...



Moodle 1.0 by Martin Dougiamas - Tuesday, 20 August 2002, 12:09 AM

At last, Moodle 1.0 is ready to fly!

### The web looked different then

#### Main menu

- E Features
- Download
- Documentation
- Installation help
- Developers
- How you can help
- Dther Sites

Courses

- Demonstration 101
- Demonstration 102
- Ding Moodle

All courses ...

#### Site news

#### Moodle 1.0.4

by Martin Dougiamas - Tuesday, 10 September 2002, 11:34 AM

Moodle 1.0.4 is ready. I'm going to hold off announcing this on Freshmeat etc for a couple of days to give us regular users a chance to test it and find any bugs I may have missed in my own testing.

New features include:

 Course categories. Sites with many courses (more than ten?) may want to define more categories (eg Science, Humanities, Business etc) and this will trigger a new interface on the course listing. If you only have one category (as per previous versions) then the interface remains the same and all courses are shown in one list.

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Read the rest of this topic (257 words) ...

Moodle is a software package for producing internet-based courses and web sites (including this one).

Moodle is an ongoing research and development project designed to support a <u>social</u> <u>constructionist</u> pedagogy for students, teachers and developers.

Moodle is Free software, in the sense that it is <u>Open Source</u> software (under the <u>GNU Public</u> <u>License</u>). Moodle runs without modification on Linux, Windows, Mac OS X and any other system that supports <u>PHP</u>. Data is stored SEE IT IN THE SAME FORMAT AS THE PHYSICAL NEWSPAPER





UPDATED TUESDAY, AUGUST 20, 2002 3:09 AM ET

Personalize Your Weather

JOB MARKET	SEARCH 60 to Advanced Search/Archive	LOG IN		
REAL ESTATE	Past 30 Days V	0	REGISTER NOW. It's Free!	
AUTOMOBILES	Tast of Days			
NEWS	Mayor Promising Better Response			
International National Politics Business Technology Science Health Sports New York Region Education Weather Obituaries	to Catastrophes By AL BAKER Mayor Michael R. Bloomberg pledged greater coordination between New York City's Police and Fire Departments on Monday as he released reports on Sept. 11. • <u>Video: Mayor Michael R. Bloomberg</u>		Special Issue: Managing Planet Earth Choices made now could determine the health of the environment for decades. • Interactive Graphics	
NYT Front Page Corrections Editorials/Op-Ed Readers' Opinions	<ul> <li>Police Department Report (NYC.gov)</li> <li>Fire Department Report (NYC.gov)</li> <li>Combatants in African Nations May Soon Give Peace a Chance By MARC LACEY</li> </ul>	Agence France-Presse An Islamic court in Nigeria rejected an appeal from a single mother sentenced to be stoned to death for having had sex out of	AP AND REUTERS UN's Robinson Sees Small Rights Progress in China 3:02 a.m. ET National League Standings 3:00 a.m. ET	
2 lbs. for \$9.99	Four sets of peace talks are going on or about to start in Africa, raising hopes that	wedlock. Go to Article • Slide Show: Stoning Upheld	Preseason NFL Standings 3:00	



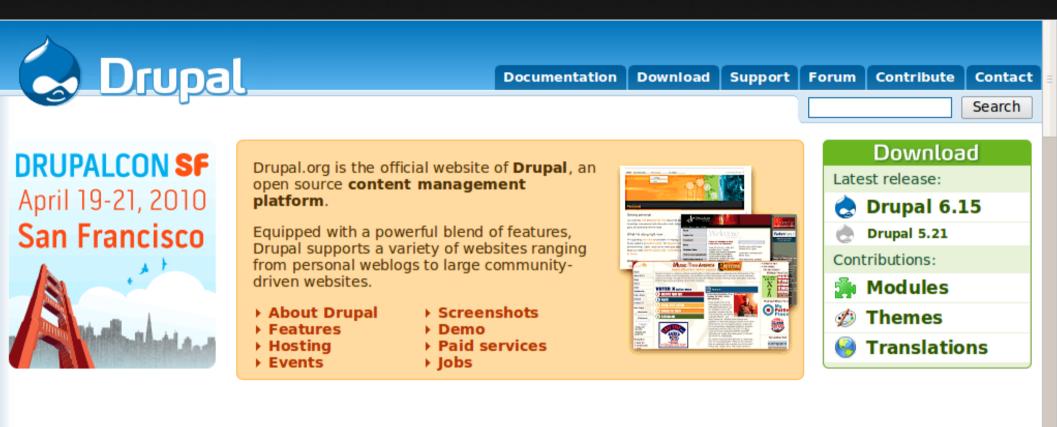
Back then: No Ajax (2005), no Gmail (2004) or GoogleDocs (2005), no Facebook (2004), no Delicious (2003) and also no Flickr (2004)

Blogger was 3 years old, Wikipedia just one year and RSS about 3 years old too These applications have shaped the web (2.0)

## What does this mean for the VLE and for our VLE?



Which open source web application is probably furthest ahead of the curve in comparison to Moodle (think usage, conceptually, architecturally)? In the chat...



#### Drupal 6.15 and 5.21 released

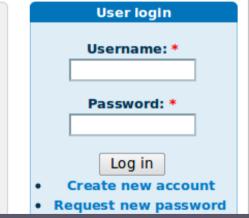
Gábor Hojtsy - December 16, 2009 - 19:01

News and announcements · Drupal 5.x · Drupal 6.x · Drupal News

Drupal 6.15 and 5.21, maintenance releases which fix issues reported through the bug tracking system, as well as **non critical security vulnerabilities**, are now available for download. Both releases fix other smaller issues as well.

Download Drupal 6.15 Download Drupal 5.21





### This could be a model for Moodle in a couple of ways

## First: "Community Plumbing"

#### drupal.org | Community plumbing

Official homepage of the open source content management system. Offers documentation and the source for download and hosts a developers and community ...

drupal.org/ - Cached - Similar - 💬 \Lambda 🗙

DownloadScreenshotsModulesAbout DrupalThemesFeaturesDocumentationForum

More results from drupal.org »

## Should Moodle be: "Learning Plumbing"?

## Second: It considers itself a platform

Drupal.org is the official website of Drupal, an open source content management platform.

Equipped with a powerful blend of features, Drupal supports a variety of websites ranging from personal weblogs to large communitydriven websites.

- About Drupal
   Screenshots
- Features
- Hosting
- Events

- > Demo
- Paid services
- + lobs



## "Platform" is the key word here A couple of Yes/No questions:



### Do you have an iPhone?



### Are you on Facebook?



### Do you have a Kindle?



## Have you bought music on iTunes?



## Are you on Twitter?



# Is your organisation actively working with Sharepoint?

## All of these systems are essentially platforms

## Let's look at Moodle, how can the "walls be brought down"?

## Moodle was always relatively modular...

But it required Moodle centric programming + an install from a sysadmin Moodle will have a couple of new features that could make it the "plumber" for learning Repository API, Portfolio API, RSS magic, Comments API and a Webservices API

#### Web APIs

#### [edit]

#### Main article: web service

When used in the context of web development, an API is typically a defined set of Hypertext Transfer Protocol (HTTP) request messages along with a definition of the structure of response messages, usually expressed in an Extensible Markup Language (XML) or JavaScript Object Notation (JSON) format. While "Web API" is virtually a synonym for web service, the recent trend (so-called Web 2.0) has been moving away from Simple Object Access Protocol (SOAP) based services towards more direct Representational State Transfer (REST) style communications<sup>[4]</sup>. Web APIs allow the combination of multiple services into new applications known as mashups<sup>[5]</sup>.

The repository API especially has a lot of potential



## Do you know what the repository API is?

#### Active repository plugins

Name	Display order	Hide/Show	Delete	Settings
Upload a file	÷	۲	Delete	
Server files	Ť	۲	Delete	

#### Add a repository plugin

Add "Alfresco repository" Add "Box.net" Add "File system" Add "Flickr" Add "Flickr public" Add "Flickr public" Add "Google Docs" Add "Google Docs" Add "Mahara" Add "Mahara" Add "Merlot.org" Add "Merlot.org" Add "Picasa web album" Add "International and the states of the sta

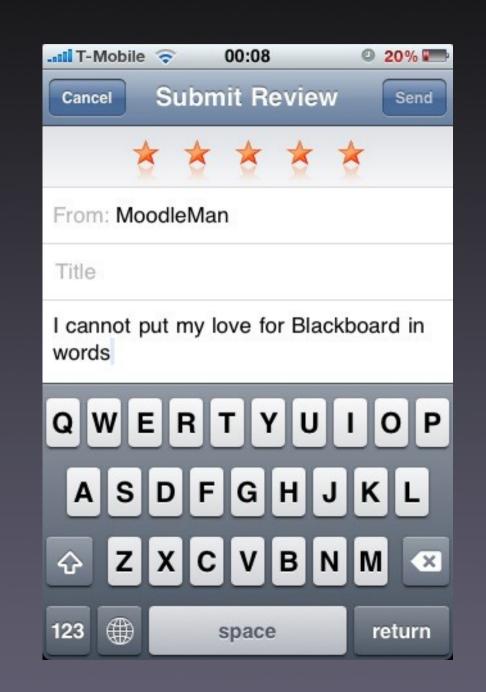
## A couple of things need to be taken care of:

The list of available repositories should have an online connection and it should be possible to download and install a plugin from the webinterface (think of how you can browse apps on your iPhone)



We need to have a way to add dynamic (RSS-based, e.g. a blog) content to the course using the repository API Some social features need to be implemented. How do we know which plugins are good?





### Moodle needs an "app-store"

Finally... What if Moodle could become an appstore for rich learning content? The core technical infrastructure is there...

It would be a matter of streamlining the experience and making sure it is not just resources but also activities that get shared

## Just imagine...

## Questions? Comments? Discussion? Criticism?

