

Mahoodle ←  
→ UTOPIA

A Developer's perspective

Bas Brands, Mahoodle Moot 2017, Cambridge

# Bas Brands



Freelance web developer

The Netherlands

# Mahoodle research

"An easily extendable framework for delivering learning, where all components are linked but dispensable based on user requirements." Simon Lewis

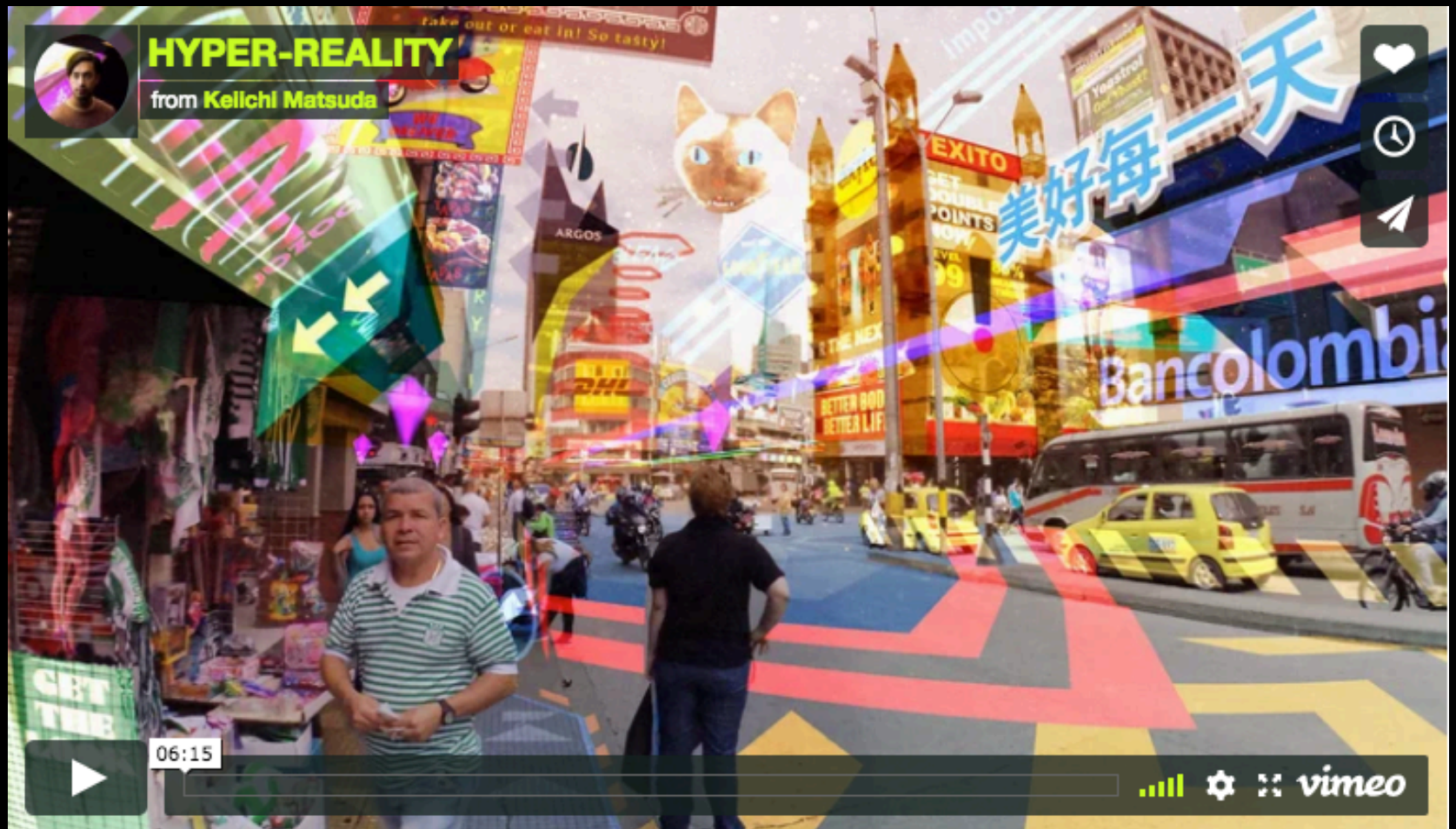
"Easy, lightweight and portable such that it could run on a single board computer, serve a local WiFi hotspot to mobile devices and thus bring education for all in the developing world." Gareth J Barnard

# Tech in 2007



<https://www.flickr.com/photos/12905355@N05/6667668181/>

# Tech in 2027?



<http://hyper-reality.co/>

Artificial intelligence

Augmented reality

Virtual reality

# TECH BUZZWORD

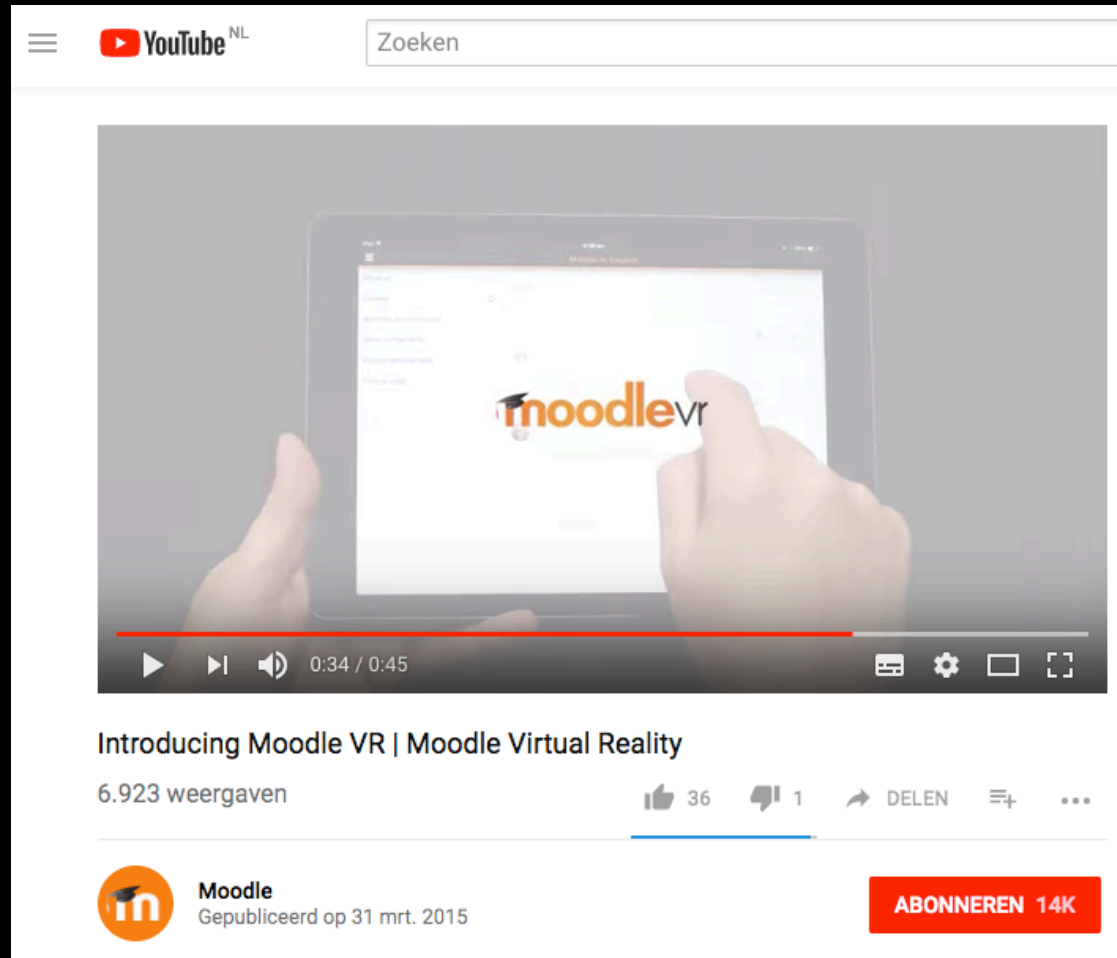
Big data

Progressive web apps

Mobile first

Machine learning

# Does it fit Mahara / Moodle?



<https://www.youtube.com/watch?v=c-ysQD2enLg>

Reduce complexity

Performance

User Experience

Usability

# What could be improved?

Mobile experience

Less options

Less features



Simple to setup

Easily drag and drop files and images

Base Moodle

**My Little  
MOODLE**

Less standard plugins

Cleaned

Easy to extend

For Moodle

For Wordpress

For Mahara

# Multi Purpose Theme

Matching user interface

Smart exchange of design

One visual identity

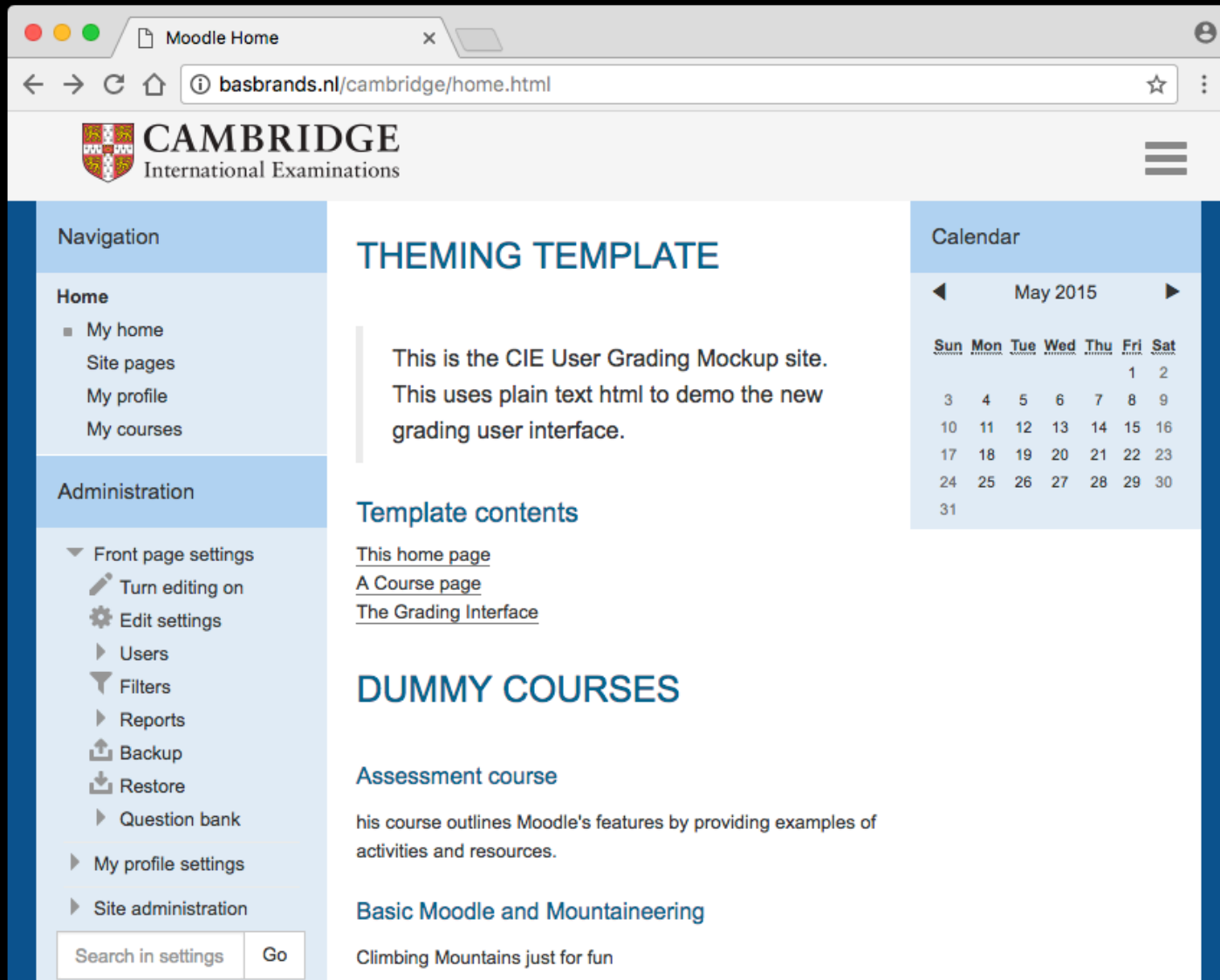
One Bootstrap version

Unified user interface

# JavaScript and (mustache) Templates



# AngularJS Mockup



# Lazyload content

The screenshot shows a web browser window with the address bar displaying "Secure | https://dontmemorise.com". The website content is a grid of course cards. Each card features a topic title, a play button icon, a subject label (BIOLOGY or MATH), a reward (+100 DM), a description, and a footer with "Microbes" (for biology) or "Applications of" (for math), "11 LESSONS", and "00H 56M".

Subject	Topic	Reward	Description	Footer
BIOLOGY	Harmful Microbes (For Animal/ Plants)	+100 DM	Harmful Microbes in Animals and Plants	Microbes 11 LESSONS 00H 56M
BIOLOGY	Food Poisoning/ Preservation	+100 DM	Food Poisoning and Food Preservation (Chemical methods)	Microbes 11 LESSONS 00H 56M
BIOLOGY	Nitrogen Cycle ?	+100 DM	Nitrogen Fixation and Nitrogen Cycle	Microbes 11 LESSONS 00H 56M
BIOLOGY	Food Preservation (Physical)	+100 DM	Food Preservation (Physical methods)	Microbes 11 LESSONS 00H 56M
BIOLOGY	Nitrogen Cycle ?	+100 DM	Nitrogen Fixation and Nitrogen Cycle	Microbes 11 LESSONS 00H 56M
MATH	Trigonometry (Review)	+100 DM	Applications of Trigonometry - Basics	Applications of 11 LESSONS 00H 56M

# Web services for validation

Course Manager

coursemanager.sonsbeekmedia.nl/local/coursemanager/index.php?page=course&cmcourse=14&coursereq...

## Course Manager

[Dashboard](#) ▶ [Course Manager](#) ▶ [Manage Courses](#)

[Available courses](#) [Overview](#) [Course request](#)

## 2. Add your students

Please complete these details and add students to be added to your course

[View enrolled users \(1\)](#) [Submit request](#)

Template course info	
Template course name	Theme testing
Category	Miscellaneous
ID Number	
Start date	1 July 2017

[Copy - Paste List](#) [Upload CSV](#) [Find Users](#)

### Add student details ?

paul andorn paula@gmail.com  
Lena Rock larock@yahoo.com  
Jennifer Higgs j.higgs@gmail.com  
Stanley Portman s.portman@wchoer.de

# Validation results

Course Manager

coursemanager.sonsbeekmedia.nl/local/coursemanager/index.php

approved


Copy - Paste ListUpload CSVFind Users

Username	First name	Last name	Email	Institution	Result	Actions
andor-2-168	paul	andorn	paula@gmail.com	CIETEST-2	User will be added	<a href="#">Delete</a>   <a href="#">Update</a>
rock-2-172	Lena	Rock	larock@yahoo.com	CIETEST-2	User will be added	<a href="#">Delete</a>   <a href="#">Update</a>
higgs-2-251	Jennifer	Higgs	j.higgs@gmail.com	CIETEST-2	User will be added	<a href="#">Delete</a>   <a href="#">Update</a>
portm-2-401	Stanley	Portman	s.portman@weheer.de	CIETEST-2	User will be added	<a href="#">Delete</a>   <a href="#">Update</a>
brand-2-381	chris	cross	bbrands@gmail.com	CIETEST-2	Found email in system, username does not match Found user in system, institution does not match Found user in system, institution does not match	<a href="#">Delete</a>   <a href="#">Update</a>

4 valid user(s) out of 5 total.

Add usersCancel



A movie poster for 'Close Encounters of the Third Kind'. The background is a dark, starry night sky with a bright, glowing blue light source on the horizon, creating a lens flare effect. Below the horizon, a two-lane road stretches into the distance, flanked by dark, silhouetted hills. The road's white lines converge towards the horizon. The text 'We are not alone' is centered in the upper half. The title 'CLOSE ENCOUNTERS OF THE THIRD KIND' is in large, bold, sans-serif font. Below the title, smaller text provides production details. At the bottom, there are logos for Dolby System, Panavision, and Columbia Pictures.

We are not alone

# CLOSE ENCOUNTERS OF THE THIRD KIND<sup>A</sup>

A COLUMBIA/EMI Presentation  
CLOSE ENCOUNTERS OF THE THIRD KIND A PHILLIPS Production A STEVEN SPIELBERG Film  
Starring RICHARD DREYFUSS also starring TERI GARR and MELINDA DILLON with FRANÇOIS TRUFFAUT as Lacombe  
Music by JOHN WILLIAMS Visual Effects by DOUGLAS TRUMBULL Director of Photography VILMOS ZSIGMOND A.S.C.  
Produced by JULIA PHILLIPS and MICHAEL PHILLIPS Written and Directed by STEVEN SPIELBERG

ORIGINAL SOUNDTRACK ALBUM AVAILABLE ON ARISTA RECORDS. Read the Sphere Book

©1977 Columbia Pictures Industries, Inc.

Sound recorded with the

**DD** DOLBY SYSTEM

Panavision<sup>®</sup>

RELEASED BY COLUMBIA PICTURES INDUSTRIES, INC. 