Web Presentations, deck.js and Extensions

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SoftShake 2013
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This presentation has been edited for reading. Press 'v' to remove comments if desired.

00:07

We are (almost) all "Presenters"

we are all making some kind of presentations

00:09

Today's Topic

00:13

- **Introduction**
- **A story about web presentations**
  - **the past**
  - **the present**
- **deck.js Basics**
- **Extensions for deck.js**
- **Wrap up**

00:14

A story about
web presentations

- **Inconsistent style**

  no easy way to enforce constant position, scale etc

- **Portability issues**

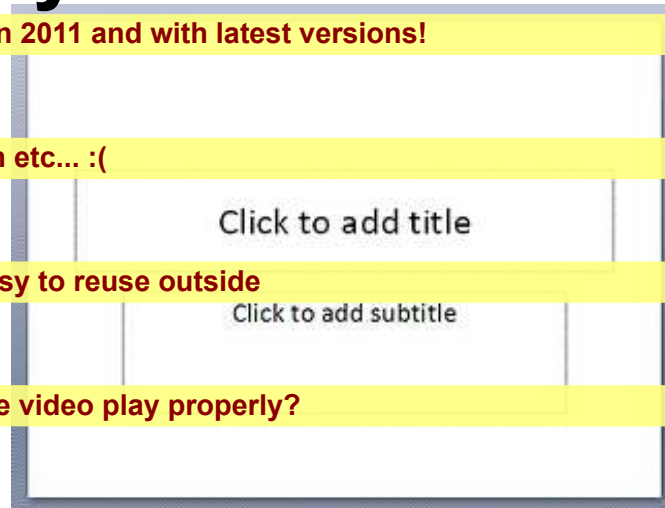 even in 2011 and with latest versions!

- **VCS :(**

  git svn etc... :(

- **Lock-in**

  Click to add title

  not easy to reuse outside

  Click to add subtitle

- **Media :(**

  will the video play properly?

00:25

may look like a good idea if you use latex for papers

- # It's L^{A}T$_E$X :)
  - ## VCS
  - ## math, latex skills, etc
  - ## full programming language

- # It's L^{A}T$_E$X :(
  - ## how to style?
  - ## how to include (SVG) graphics?
  - ## need compilation
  - ## produces static pdfs

00:26
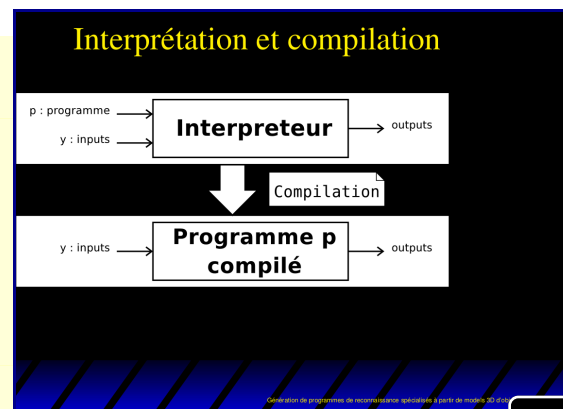
2005 – Web Pages Generation

00:30

2005 – Eric Meyer's S5 click it

I used S5, many persons too. Browser limitations at the time: SVG (printing), fitting

S5: An Introduction

Eric A. Meyer
Complex Spiral Consulting

What Is S5?

- It's a **S**imple **S**tandards-based **S**lide **S**how **S**ystem
- One XHTML document provides all of the slide show's content
- CSS handles the layout and look of the slides
- JavaScript handles the dynamic aspects of the show
- That's all there is to it!

Operatic Origins

- Opera 4 introduced Opera Show, a projection-mode style sheet technology
- Allows a single XHTML document to be turned into a PowerPoint-like slide show
- Adding screen and print style sheets allows for multi-medium views of a single document

00:32

2006-2012 − Hacked S5

- **Operational**

- **Feature rich: SVG, animations, ...**

  presenter view, fitting, ... (better than any alternative)

- **But, used by me only**

- **Some limitations**
  - **compiled**
  - **technically tricky (to code and for browser) injection of style and js in SVG**

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0:00
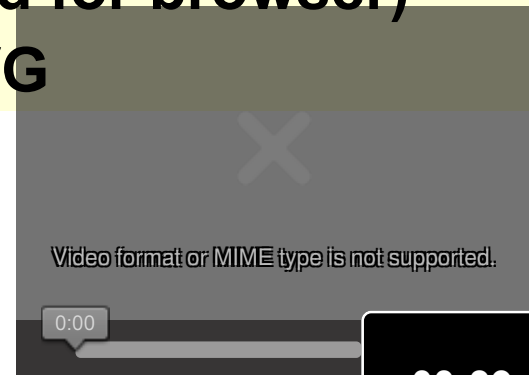
00:39

2012 − The Questioning

00:41

A story about
web presentations
(back to the present)

00:43

00:48

deck.js Basics

00:54

deck.js Architecture

```
                                    deck.js/
                                    ├── core
                                    │   ├──▶ deck.core.js
                                    │   └──▶ deck.core.css
                                    ├── extensions
                                    │   ├── goto
                                    │   │   ├──▶ deck.goto.html
                                    │   │   ├──▶ deck.goto.js
                                    │   │   └──▶ deck.goto.css
                                    │   ├── menu
                                    │   │   ├── deck.menu.js
                                    │   │   └── deck.menu.css
                                    │   ├── ...
                                    │   ├── step
                                    │   │   └── deck.step.js
yours.html                          │   └── style-chunks
                                    ├──▶ jquery-1.7.2.min.js
                                    ├── libs
                                    │   └── ...
                                    ├──▶ modernizr.custom.js
                                    └── themes
                                        ├── style
                                        │   ├──▶ neon.css
                                        │   ├── ...
                                        │   └── web-2.0.scss
                                        └── transition
                                            ├── ...
                                            └──▶ vertical-slide
```

imports js
imports css
adapts html snippets

00:58

deck.js Example

http://imakewebthings.com/deck.js/introduction/

01:02

deck.js: Include Core

```
1   …
2   <script src="deck.js/modernizr.custom.js"></script>
3   <script src="deck.js/jquery-1.7.2.min.js"></script>
4
5   <link  href="deck.js/core/deck.core.css" rel="stylesheet" >
6   <script src="deck.js/core/deck.core.js"></script>
7   <link rel="stylesheet" href="deck.js/themes/style/web-2.0.css">
8   …
9   <script>
10    jQuery(function() {
11      var cfg = {
12                keys: {
13                  goto: 71 // 'g'
14                },
15                countNested: true
16              }
17      $.deck('.slide', cfg)
18    });
19  </script>
20  …
21  <div class="deck-container">
22      <section class="slide title-slide">
23        <h1>SoftShake is Amazing</h1>
24      </section>
25      <section class="slide">
26        <ul>
27            <li>…</li>
28            …
29        </ul>
30      </section>
31      …
32  </div>
33
```

01:04

Extensions for deck.js

01:14

deck.js ext: included ones

```
1  …
2  <link rel="stylesheet" href="deck.js/extensions/goto/deck.goto.css">
3  <script src="deck.js/extensions/goto/deck.goto.js"></script>
4
5  <!-- slide number indicator   (uses "status snippet" at the end of the page)
6  <link rel="stylesheet" href="deck.js/extensions/status/deck.status.css">
7  <script src="deck.js/extensions/status/deck.status.js"></script>
8
9  <!-- navigation buttons   (uses "navigation snippet" at the end of the page)
10 <link rel="stylesheet" href="deck.js/extensions/navigation/deck.navigation.c
11 <script src="deck.js/extensions/navigation/deck.navigation.js"></script>
12
13 <!-- slide selector by typing 'm' -->
14 <script src="deck.js/extensions/menu/deck.menu.js"></script>
15 <link rel="stylesheet" href="deck.js/extensions/menu/deck.menu.css">
16
17 …
18
19 <p class="deck-status">slide: <span class="deck-status-current"></span> / <s
20
21 <!-- deck.goto snippet -->
22 <form action="." method="get" class="goto-form">
23   <label for="goto-slide">Go to slide:</label>
24   <input type="text" name="slidenum" id="goto-slide" list="goto-datalist">
25   <datalist id="goto-datalist"></datalist>
26   <input type="submit" value="Go">
27 </form>
28
29 <!-- deck.navigation snippet -->
30 <a href="#" class="deck-prev-link" title="Previous">←</a>
31 <a href="#" class="deck-next-link" title="Next">→</a>
```

01:16

deck.js ext.: includedeck

The amazing loader (cleans presentation file, shortens boilerplate code)

01:18

01:20

deck.js extensions: fit

proper fitting using CSS3, click inside to give focus

http://home.heeere.com/data/deck-js-demo-2/samples/deck-fit.html

01:22

deck.js extensions: clone

- **clone, comments, stopwatch/timer**
-
  - **when you press 'c' you get a clone window**
  - **you show the second window on the projector**
  - **you keep the first on your screen (with notes)**
  - **control the first window**
  - **get a "copy" of your cursor on the second**
-

  - **also a timer to know how fast you go**
  - **and a stopwatch when rehearsing**
  - **(move the mouse to the right edge of the window)**
  - **(logs are saved in html5 localStorage)**

01:24

deck.js extensions: step, anim

http://home.heeere.com/data/deck-js-demo-2/samples/deck-anim.html

01:27

deck.js extensions: simplemath

- ## Latex notation for equations, etc

powerful notation for equations, etc.

$$e = mc^2$$

$$\left(\frac{x^2}{y^3}\right)$$

$$\begin{bmatrix} \sqrt{x} & 2 \\ 3 & x^4 \end{bmatrix}$$

$$f(n) = \begin{cases} n/2 & \text{if } n \text{ is even} \\ -(n+1)/2 & \text{if } n \text{ is odd} \end{cases}$$

$$a^2 + \cfrac{1}{\sqrt{a^2 + \cfrac{1}{\sqrt{a^2 + \cfrac{1}{\sqrt{a^2 + b^\infty}}}}}}$$

01:29

deck.js extensions: svg

http://home.heeere.com/data/deck-js-demo-2/samples/deck-svg.html

01:31

■ **Markdow inspired syntax**

but markdown is limited (no easy way for adding classes and ids)

■ **Adds some features**

1. **easy slide block creation**

2. **easy addition of classes and ids**

3. **extension specific "tags"**

```
=deck.js extensions: smartsyntax=[e]#smartdemo
* Markdow inspired syntax
* Adds some features
*# easy slide block creation
*# easy addition of classes and ids[inred]
*# extension specific "tags"
```

01:33

deck.js ext.: smartsyntax

```
=deck.js extensions: smartsyntax=[e]
* Example[inred]
@CSS!: .inred {color: red;}
@SVG:myclass,floatright media/smiley.svg 300px 300px
@anim-appear:400: #innerEye1
```

- **Example**

Video format or MIME type is not supported.

0:00

01:40

deck.js ext.: smartsyntax

```
=deck.js extensions: smartsyntax=[e]
* Example[inred]
@CSS!: .inred {color: red;}
@SVG:myclass,floatright media/smiley.svg 300px 300px
@anim-appear:400: #innerEye1 | #innerEye2 | -#innerEye1 + -#innerEye2
@anim-appear:1000: #innerEye1 + #innerEye2 + #shadow
@anim-play: .myvideo
@anim-pause: .myvideo
```

- **Example**

Video format or MIME type is not supported.

0:00

01:44
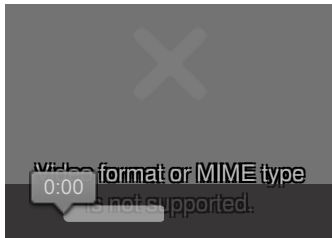
deck.js extensions: short list

- **Base**
  - status, navigation
  - menu, goto

- Mine
  - includedeck, fit, clone, "comments", timer
  - maths, SVG, step, anim, autoshow
    autoshow == the loopy thing on the first page
  - smartsyntax

- Other
  - codemirror, blank, search, automatic, annotate, lazyload, …

01:48

deck.js extensions: how to

- **Get included by the user**
  - **do initialization on DOM ready**
  - **deck.js ready:** `$(document).bind('deck.init', function() {...})`

- Add and use options
  - `$.extend(true, $[deck].defaults, {...} );`
  - `var opts = $[deck]('getOptions');`

- Interact with deck.js (and your DOM)
  - **listen to events:** `$(document).bind('deck.change', ...)`
  - **act on deck.js:** `$[deck]('getSlides')`   `$[deck]('next')` ...

01:50

Wrap up

01:53

Summary, Discussion

- ## Why web presentations?
  - portable (need a decent browser)
  - tuning friendly (reuse web skills, if any)
    BUT do not need to know web at all (not even html...)
  - git friendly (plain text)
  - modern looking (media, animations, styles)
  - ! no visual editor (yet)
    some actually starting to appear (slid.es, dahu screencast)

Summary, Discussion

- ## Why deck.js?
  - ### stable and used
  - ### clear extension policy
  - ### lot of amazing extensions
  - ### dizziness free (vs prezi (flash), impress.js)

production ready, scaling, ...

deck.js can do funky transitions and funky 3D css transforms but it is not the norm

and reuse is easier when no absolute layout

01:56

Take-Home Message

- **Use a web presentation framework**

- **Preferably deck.js :)**

- **Use and write extensions**

  we all gain by sharing
- **Clone from github or get a bundle**

01:58

Attributions

WE ♥ CREATIVE COMMONS

- **CC Images**
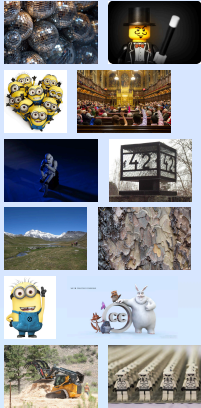
02:00

Links

- **The "landscape of frameworks" slide**

- **Death by powerpoint**: metrics on presentations, how to avoid boring ones

- **Authoring Slides using HTML**: my comparison of some frameworks

- **deck.js**, **list of extensions**, and **examples of my extensions** (with **zip**)

02:04

Thank you for your attention

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Web Presentations, deck.js and Extensions

02:10