

<http://drupal.org/project/mediareference>

Mediareference

<http://github.com/wojtha/mediareference>

Vojtěch Kusý
@wojtha

<http://vojtechkusy.cz>

Drupal Community Meetup
Praha, 20.10.2010

WARNING: Geek Inside!



Požadavky

- Rozšíření **CCK Nodereference**
- **Políčka (volitelná)**: titulek, popis, odkaz ...
- Možnost **vložit odkaz/obrázek inline do textu** (plaintext i wysiwyg)
- Mediapool – neboli **galerie v popup okně**
 - thumbnaily
 - výběr obrázku (médiá)
 - přidání obrázku (médiá)
 - úprava/smazání obrázku (médiá)

admin

- Code review
- Color Picker Example
- My account
- ▼ Create content
 - Colourpicker
 - Media Image
 - Media Slideshow
 - Media Video
 - Nodereference Test
 - Page
 - Story
- Log out

Development

- Devel settings
- Empty cache
- Execute PHP Code
- Function reference
- Hook_elements()
- PHPinfo()
- Rebuild menus
- Reinstall modules
- Run cron
- Session viewer
- Theme registry

Home

Test

- View**
- Edit
- Devel

Mon, 06/21/2010 - 18:28 — admin

Slideshow:



A



B



C



test03



Slideshow: *

Type:

image

Preview:



Title: *

A

Link:

Color:



Slide animation:

slide ▾

Slide delay:

10

s

Delay between automatically moving to the next.

Style: Original image ▾

Insert

Browse

Remove

Type:


image

Preview:



Title: *


B



Title: *

Link:

Color:

Slide animation:

Slide delay:

















s

Delay between automatically moving to the next.


Style:

Show summary in full view

Body:

Zdroj





ABC ABC ▾
↶ ↷












Formát
▾
B
I
U
abc
 x_2
 x^2
☰
☷
☰
☷
☰
☷
☰
☷
☰
☷
☰
☷



Lorem ipsum dolor sit amet, consectetur adipiscing elit. In eget vestibulum lacus? Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nulla placerat luctus ipsum, a faucibus ipsum lobortis at. Mauris ornare mattis erat non dignissim. Donec quis lorem vitae velit dignissim elementum! Maecenas eget ligula aliquet arcu condimentum blandit. Proin at erat lectus. Sed gravida viverra massa eu placerat. Curabitur egestas, elit quis aliquam congue, ante nisi adipiscing eros, non mattis metus arcu in quam. Nullam sit amet metus in justo accumsan aliquam nec quis quam.

[Switch to plain text editor](#)

CKEditor: the ID for [excluding](#) or [including](#) this element is `story@node/9/edit.edit-body`.

Views support

Mediareference

Slideshow

První story



test03



test01



test01



test08




Aloha

Tesdt



£5m raised, 1m lives changed
We've raised over £5m and changed the lives of over 1 million people

Win a trip to Africa



ENTER NOW >>

Win a Trip to Everest



Enter NOW »
exodus
www.exodus.co.uk

The One Campaign



Join our community of over 200,000 like minded people.
[Read more»](#)

Follow us on Twitter


Keep up-to-date. [Read more»](#)

One in Africa



Find out what Smivadee found in Africa. [Read more»](#)

Solutions for the office



Find out about our ethical solutions for the workplace. [Read more»](#)

One Success Story



With over 1.2 million lives changed, we have a great success story. [Read more»](#)

Implementace

- CCK API: vytvoření CCK „compound field“, které k nodereference přidává další pole
 - vlastní CCK typ pole mediareference
 - vlastní widget
 - obojí jako wrapper kolem mediareference
- Popup galerie: View + Views Embed Form + Lightbox2
- Vkládání obsahu zajištěno spoluprací s modulem Insert
- Políčko barva – modul Colorpicker

Zajímavé části

- konfigurovatelná políčka – wrapper kolem NR
- renderování stránek v popup okně
- dynamicky generovaný pohled (view)
- view jako formulář (Views Embed Form)
- integrace s modulem Insert
- JS event stack binder

Volitelná pole

- titulek, popis, odkaz, barva
slide: typ animace a spoždění
- ukládání v DB:
vlastní sloupeček
X
serializovaná data
- do budoucna API
=> každé políčko jako
submodul

Mediareference Fields

Specify which fields will be enabled.

Field Title:

- Disabled
- Optional
- Required

Field Description:

- Disabled
- Optional
- Required

Field Link:

- Disabled
- Optional
- Required

Field Colour:

- Disabled
- Optional
- Required

Field Slide_animation:

- Disabled
- Optional

Slideshow

Edit

Manage fields

Display fields

Story basic information

Label:

Slideshow

Widget type:

Mediareference

Change basic information

Story settings

These settings apply only to the *Slideshow* field as it appears in the *Story* content type.

Settings for Description field widget

Number of rows in Description field: *

5

Number of columns in Description field: *

40

Thumbnail preview

At each content type select one field which will be used as a source for displaying thumbnail preview in a mediareference widget.

Imagecache profile:

mediareference_thumbs

Content types

At each content type select one field which will be used as a source for displaying thumbnail preview in a mediareference widget.

Thumbnail support for type *Colourpicker*:

Disabled

Thumbnail support for type *Media Image*:

Disabled

Use field Image

Thumbnail support for type *Nodereference Test*:

Disabled

Thumbnail support for type *Page*:

Disabled

Thumbnail support for type *Media Slideshow*:

Disabled

Use field Image

Thumbnail support for type *Story*:

Global settings

These settings apply to the *Slideshow* field in every content type in which it appears.

Required

Number of values:

Unlimited ▼

Maximum number of values users can enter for this field.

'Unlimited' will provide an 'Add more' button so the users can add as many values as they like.

Warning! Changing this setting after data has been created could result in the loss of data!

Content types that can be referenced:

- Colourpicker
- Media Image
- Media Slideshow
- Media Video
- Nodereference Test
- Page
- Story

Text processing for Description:

- Plain text
- Filtered text (user selects input format)

Mediareference Fields

Mediareference Fields

Specify which fields will be enabled.

Field Title:

- Disabled
- Optional
- Required

Field Description:

- Disabled
- Optional
- Required

Field Link:

- Disabled
- Optional
- Required

Field Colour:

- Disabled
- Optional
- Required

Field Slide_animation:

- Disabled
- Optional

Kód

- projet implementovaná hooky
 - CCK field
 - CCK widget
- Wrapper
 - `mediareference_field_settings()` => `nodereference_field_settings()`
 - `mediareference_field()` => `nodereference_field()`
- `mediareference_widget_js()` ... AHAH masakr




Jak na CCK API

- <http://www.lullabot.com/articles/creating-custom-cck-fields>
- <http://maxeydevbox.org/blogs/geoffmaxey/building-custom-compound-fieldswidgets-cck-drupal-6x>
- http://www.poplarware.com/articles/cck_field_module

Kód

- **mediareference_pre_preprocess_page()**
- **mediareference_theme_registry_alter()**
- **Drupal.settings.mediareference.lightframize**






Title: *

Aloha

Link:

Color:



Slide animation:

slide ▾

Slide delay:

10
























s

















Delay between automatically moving to the next.


Style: Lightbox2: mediareference_thumbs->original ▾

Show summary in full view

Body:

Zdroj                       

Formát                



Lorem ipsum dolor sit amet, consectetur adipiscing elit. In eget vestibulum lacus? Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nulla placerat luctus ipsum, a faucibus ipsum lobortis at. Mauris ornare mattis erat non dignissim. Donec quis lorem vitae velit dignissim elementum! Maecenas eget ligula aliquet arcu condimentum blandit. Proin at erat lectus. Sed gravida viverra massa eu placerat. Curabitur egestas, elit quis aliquam congue, ante nisi adipiscing eros, non mattis metus arcu in quam. Nullam sit amet metus in justo accumsan aliquam nec quis quam.

[Switch to plain text editor](#)

CKEditor: the ID for [excluding](#) or [including](#) this element is `story@node/9/edit.edit-body`.

Podpora Insert je relativně snadná...

Insert

These options allow the user to easily insert an HTML tags into text areas or WYSIWYG editors after uploading a file or image. The "Automatic" style will insert a tag for images and a <a> tag for other files. Other styles may insert tags that may not match the file type.

Enable insert button

Enable the insert button and options for this widget.

Enabled insert styles:

- Automatic
- Link to file
- Original image
- Mediareference image
- Lightbox2: preview->original
- Lightbox2: link->mediareference_thumbs
- Lightbox2: preview->mediareference_thumbs
- Lightbox2: mediareference_thumbs->mediareference_thumbs
- preview
- Lightbox2: link->preview
- Lightbox2: mediareference_thumbs->original
- Lightbox2: preview->preview
- Lightbox2: original->mediareference_thumbs
- Lightbox2: mediareference_thumbs->preview
- mediareference_thumbs
- Lightbox2: original->preview

Select which styles should be available when sending items to text areas. If no styles are selected, the option to use a style is not displayed.

Default insert style:

Original image ▼

Select the default style which will be selected by default or used if no specific styles above are enabled.

Additional CSS classes:

Add any classes that should be added to the item on output.

Maximum image insert width:

pixels

When inserting images, the height and width of images may be scaled down to fit within the specified width. Note that this does not resize the image, it only affects the HTML output. To resize images it is recommended to install the [Image Resize Filter](#) module.

Kód

- **mediareference.insert.inc**



Popup okno

- Použití modulu Lightbox2 v módu Lightframe
 - řešení z nouze a v časové tísni
 - moduly Modalframe a Popups se pro tento úkol neosvědčily
 - do budoucna nahrazení asi jQuery UI Modal
- Lightframize
 - ?lightframize=1
 - ošetření odkazů v Lightframe regulárním výrazem
 - Jak to dělají Panel Pages? (možnost vypnout regiony)

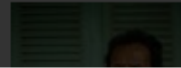
Kód

- **mediareference_pre_preprocess_page()**
- **mediareference_theme_registry_alter()**
- **Drupal.settings.mediareference.lightframize**



Dynamický View

- defaultní View
 - exportován a načten skrz modul přes Views API
- dynamické přidávání filtrů
 - zobrazení pouze těch typů uzlů, které jsou definovány v node reference
- příklad *hybridního vývoje*



Mediabrowser

Add new content: [add image](#), [add slideshow](#), [add video](#)

Type

- Media Image
- Media Slideshow
- Media Video

Title contains

Apply



test01

Media Image

[delete](#)
[edit](#)

Attach



test02

Media Image

[delete](#)
[edit](#)

Attach



test03

Media Image

[delete](#)
[edit](#)

Attach



test04

Media Image

[delete](#)
[edit](#)

Attach



test08



test05



Test

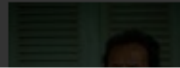


Plocha

Media Browser



natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nulla placerat luctus ipsum, a faucibus ipsum lobortis at. Mauris ornare mattis erat non dignissim. Donec quis lorem vitae velit dignissim elementum! Maecenas eget ligula aliquet arcu condimentum blandit. Proin at erat lectus. Sed gravida viverra massa eu placerat. Curabitur egestas, elit quis aliquam congue, ante nisi adipiscing eros, non mattis metus arcu in quam. Nullam sit amet metus in justo accumsan aliquam nec quis quam. Morbi vitae iaculis odio. Nulla



<<< Back


test02

Title: *

test02

▷ Menu settings

Image: *



Remove

▷ Revision information

▽ URL path settings

Automatic alias

An alias will be generated for you. If you wish to create your own alias below, uncheck this option. To control the format of the generated aliases, see the [automated alias settings](#).

content/test02

Media Browser



sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nulla placerat luctus ipsum, a faucibus ipsum lobortis at. Mauris ornare mattis erat non dignissim. Donec quis lorem vitae velit dignissim elementum! Maecenas eget ligula aliquet arcu condimentum blandit. Proin at erat lectus. Sed gravida viverra massa eu placerat. Curabitur egestas, elit quis aliquam congue, ante nisi adipiscing eros, non mattis metus arcu in quam. Nullam sit amet metus in justo accumsan aliquam nec quis quam.

Edit view *mediabrowser*

List Add **Edit** Import Tools

View *mediabrowser*, displaying items of type **Node**.

Export Clone

Defaults ? Defaults *Default settings for this view.*

Page

View settings

Description/Tag: [None](#)

Basic settings

Name: [Defaults](#)
Title: [Media Browser](#)
Style: [Grid](#)
Row style: [Fields](#)
Use AJAX: [No](#)
Use pager: [Yes](#)
Items per page: [8](#)
More link: [No](#)
Distinct: [No](#)
Access: [create story content](#)
Caching: [None](#)
Exposed form in block: [No](#)
Header: [Full HTML](#)
Footer: [None](#)
Empty text: [Filtered HTML](#)
CSS class: [mediabrowser-view](#)
Theme: [Information](#)

Relationships + ↑ ↓

None defined

Arguments + ↑ ↓

None defined

Fields + ↑ ↓

[Content: Image](#)
mediareference_thumbs image
[Node: Title](#)
[Node: Type](#)
[Node: Delete link](#)
[Node: Edit link](#)
[Embedded: Form](#)

Sort criteria + ↑ ↓

None defined

Filters + ↑ ↓

[Node: Type exposed](#)
[Node: Title exposed](#)
[Node: Type in Media Image, ...](#)

Click on an item to edit that item's details.

Kód

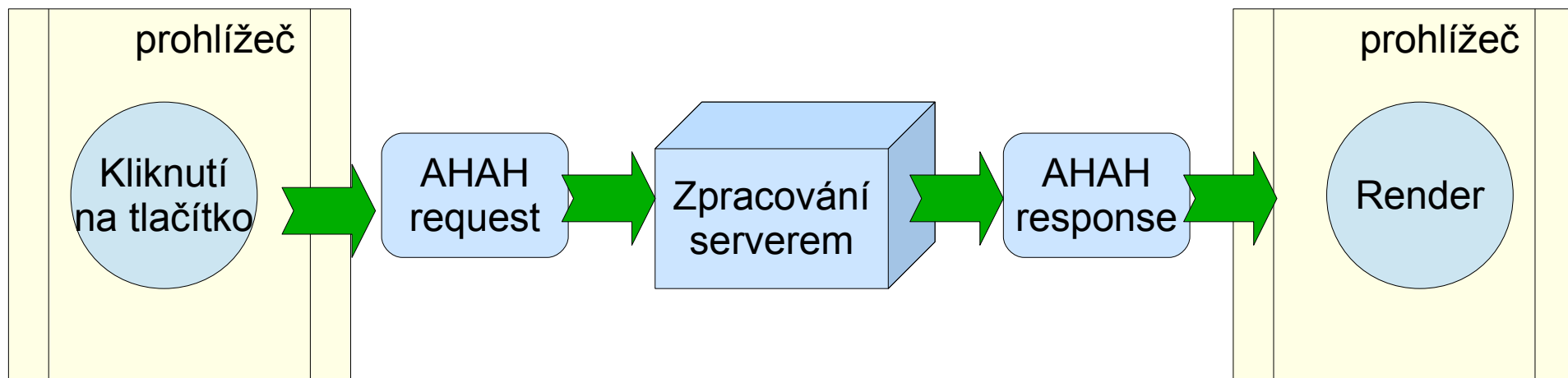
- Defaultní view
 - `mediareference_views_default_views()`
 - `mediabrowser.view.inc`
- Dynamické filtry a hlavička („Create XY“)
 - `mediareference_browser()`



JS event stack binder

- snaha o maximální využití původního kódu nodereference widgetu
- na tlačítcích (např. Browse) je již navázána obsluha JS události od NR widgetu
- **implementace „semaforu“**, který pozastaví původní akci a dovolí vykonat akci kterou chceme
- k tomu je ale potřeba **dostat se na „první místo ve frontě“**, což jQuery.bind() neumožňuje

Nodereference widget



**Tlačítko
„Přidat referenci“**

Navázané JS události a funkce

MouseDown

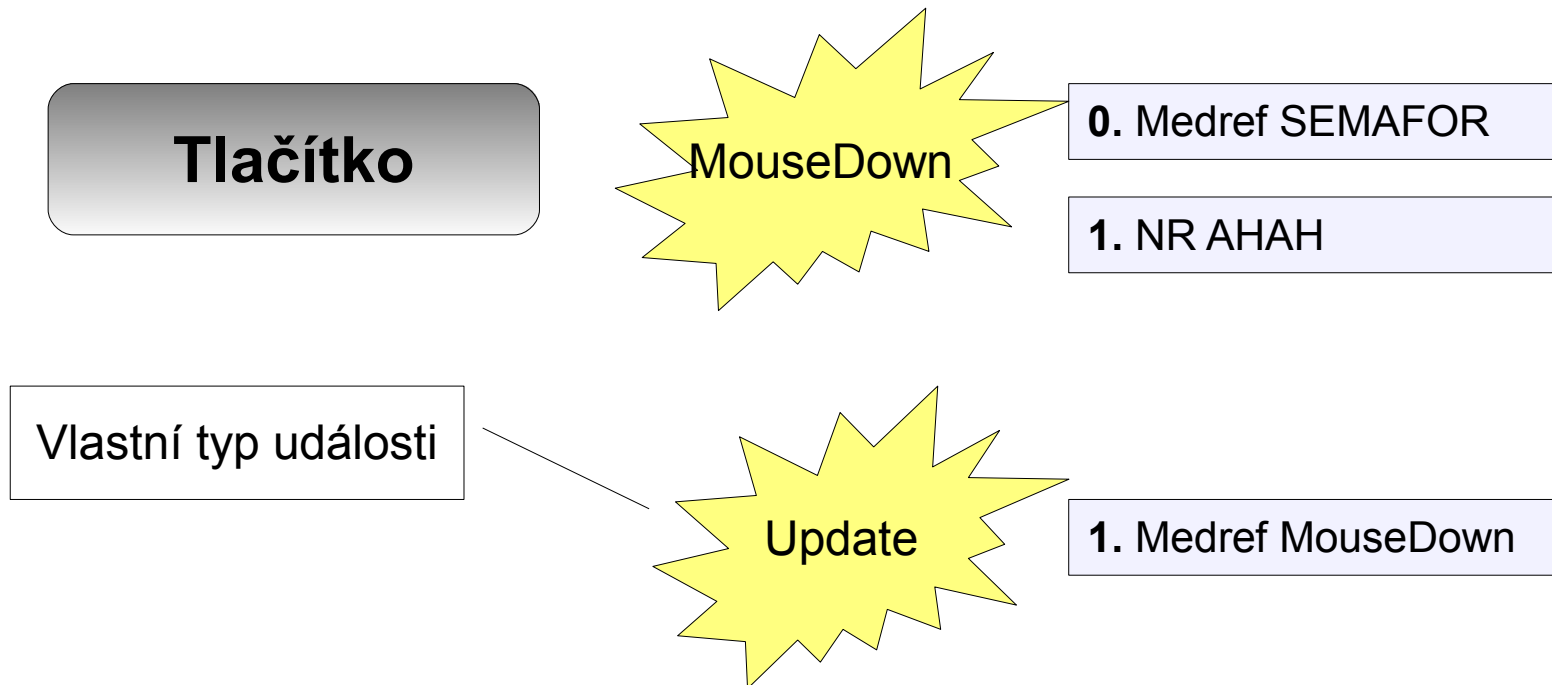
1. Noderef AHAH
2. další navázaná funkce
3. další navázaná funkce

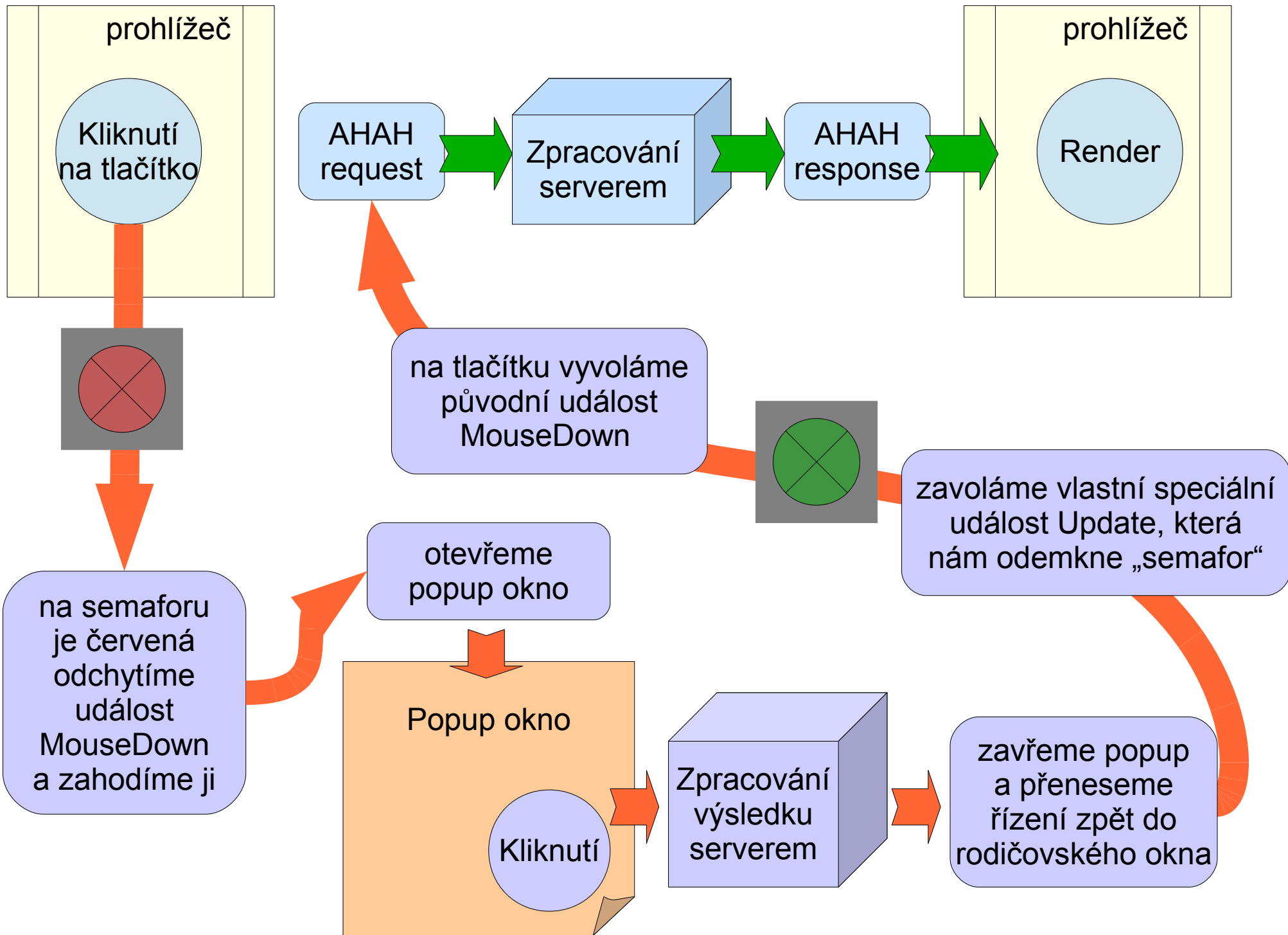
spuštění



JS Event Stack Binder

```
$('.button')  
.bindIntoStack(0,'mousedown.override', function(e) {  
  ...  
});
```





Kód

- JS Event Stack Binder
 - \$.fn.bindIntoStack
- Semafor
 - Drupal.behaviors.mediareference



Použití mediareference

- Slideshow
- Galerie
- Vkládání médií do textu
 - Vkládání pomocí šablon (např. obrázek s popisem)
- Odkazy na ostatní uzly s kontextově upraveným popisem
- Napadá vás ještě něco?
- Podobný projekt: „Nrembrowser“ od Aarona Winborna

