ResourceLoader 2

The Future of Gadgets

Roan Kattouw - [[User:Catrope]]
Timo Tijhof - [[User:Krinkle]]

What are Gadgets ?

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- Extra functionality created by users (javascript / css)

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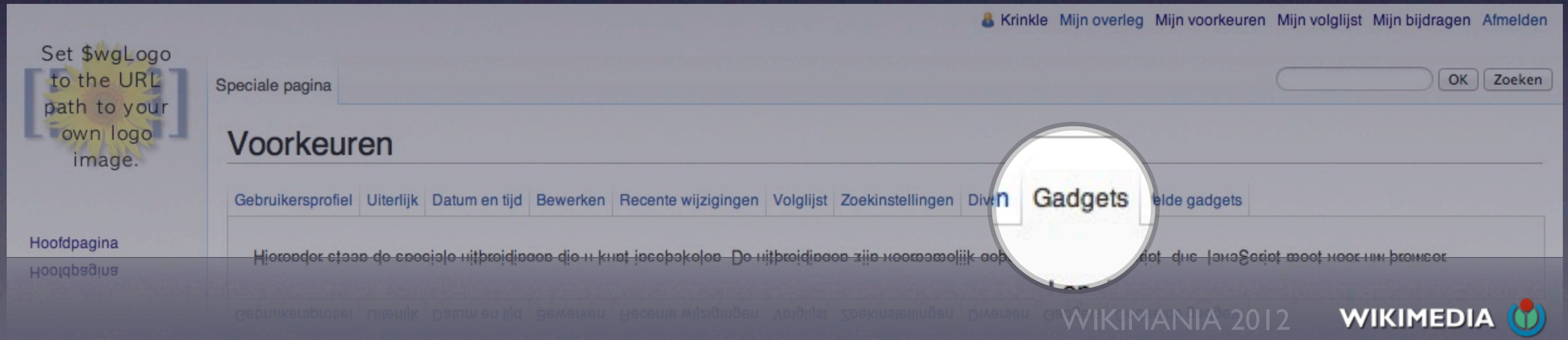

Workflow & Issues

Script creation and editing

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- MediaWiki-namespace

  [[MediaWiki:Gadget-Example.js]]

Script creation and editing

- MediaWiki-namespace

  [[MediaWiki:Gadget-Example.js]]

- Requires 'editinterface' (administrators-only by default)

Management

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- Properties are stored at [[MediaWiki:Gadgets-definition]]

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- Create/remove by editing the list syntax

Management

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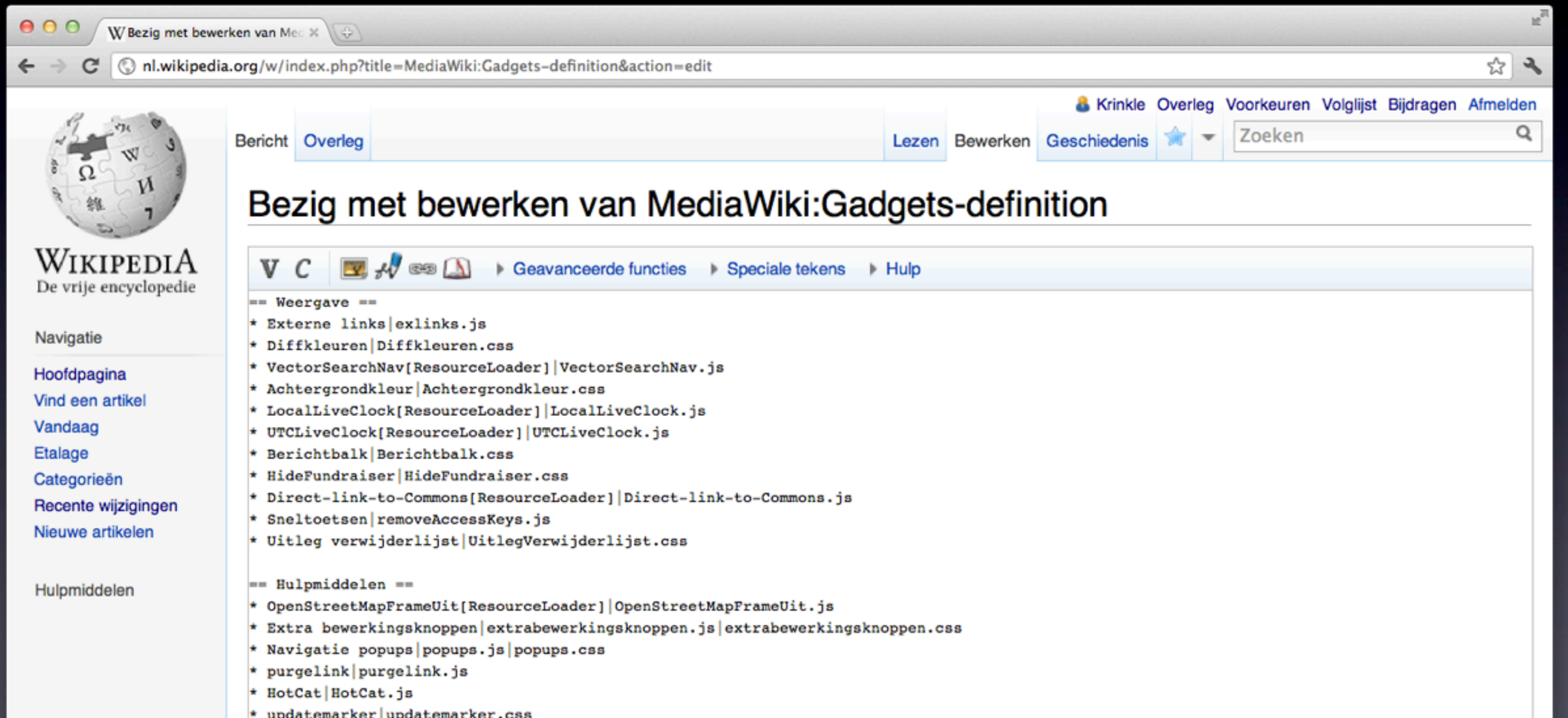
- Create/remove by editing the list syntax
- Worse than wikitext

Management


Bezig met bewerken van Mec
nl.wikipedia.org/w/index.php?title=MediaWiki:Gadgets-definition&action=edit
Krinkle Overleg Voorkeuren Volglijst Bijdragen Afmelden
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Hulpmiddelen
Bezig met bewerken van MediaWiki:Gadgets-definition
Geavanceerde functies
Speciale tekens
Hulp
== Weergave ==
* Externe links|exlinks.js
* Diffkleuren|Diffkleuren.css
* VectorSearchNav[ResourceLoader]|VectorSearchNav.js
* Achtergrondkleur|Achtergrondkleur.css
* LocalLiveClock[ResourceLoader]|LocalLiveClock.js
* UTCLiveClock[ResourceLoader]|UTCLiveClock.js
* Berichtbalk|Berichtbalk.css
* HideFundraiser|HideFundraiser.css
* Direct-link-to-Commons[ResourceLoader]|Direct-link-to-Commons.js
* Sneltoetsen|removeAccessKeys.js
* Uitleg verwijderlijst|UitlegVerwijderlijst.css
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* OpenStreetMapFrameUit[ResourceLoader]|OpenStreetMapFrameUit.js
* Extra bewerkingsknoppen|extrabewerkingsknoppen.js|extrabewerkingsknoppen.css
* Navigatie popups|popups.js|popups.css
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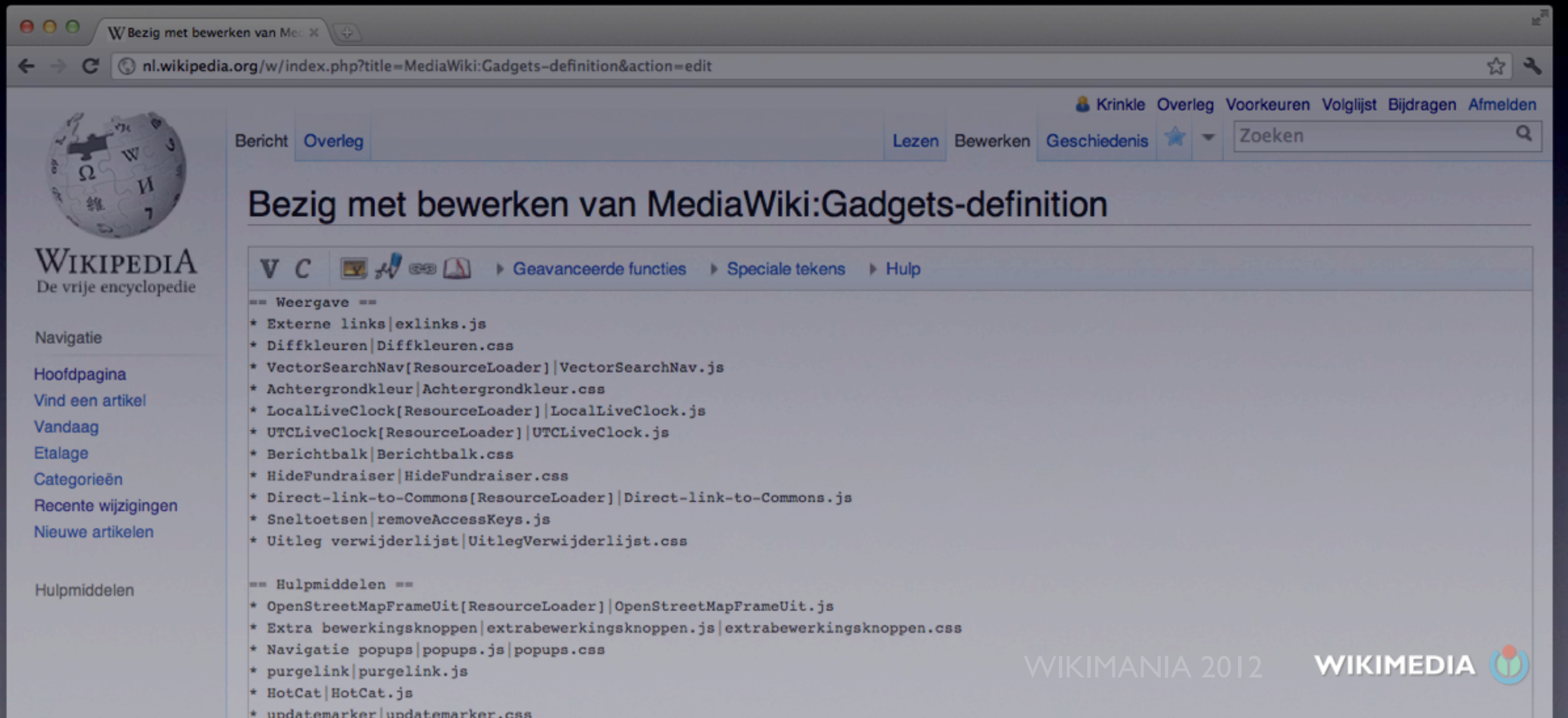
* HotCat|HotCat.js
* updatemarker|updatemarker.css

Management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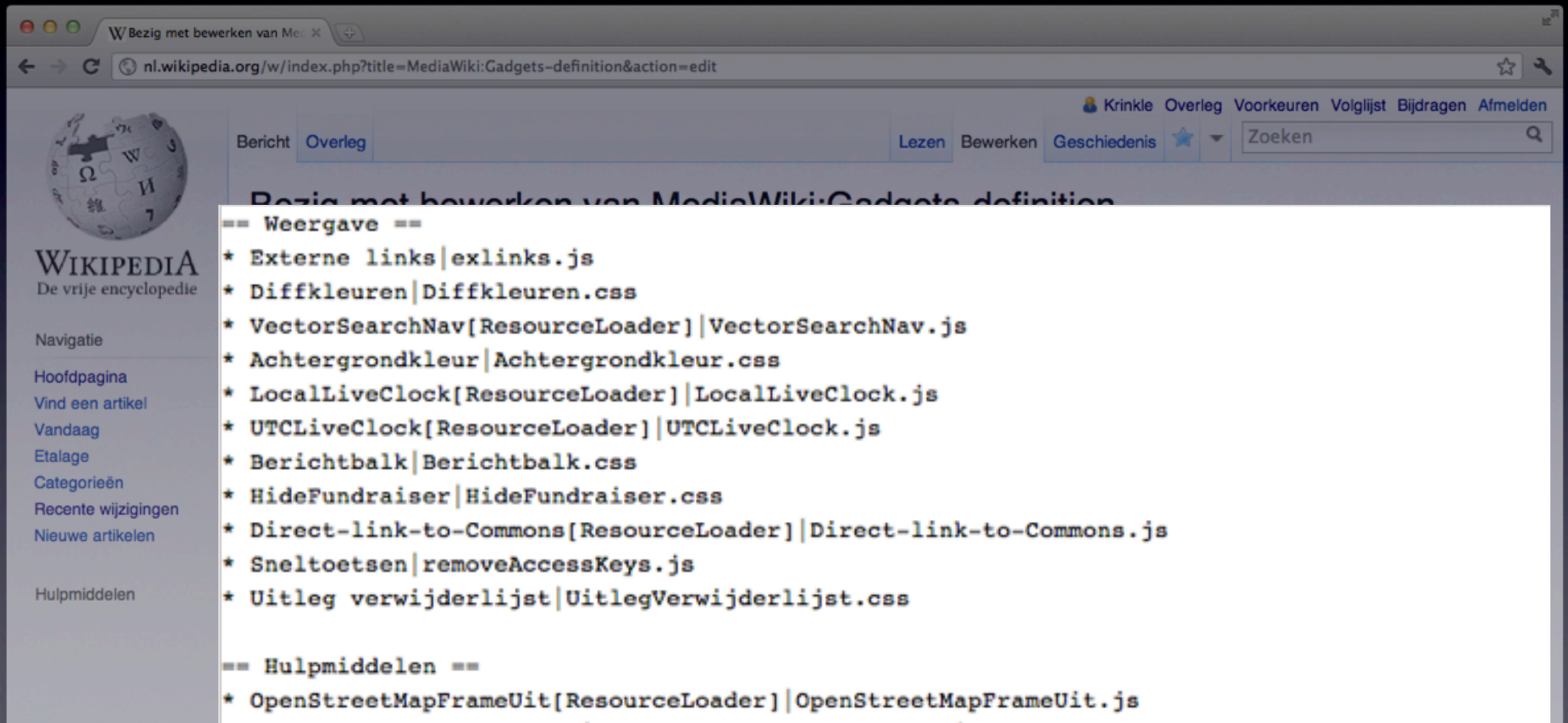
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Translation

Translation

- Some solutions exist,
  invented by the community

Translation

- Some solutions exist, invented by the community

```
// User interface messages
msgHelp: {
        'ca': 'Llengua',
        'cs': 'Výběr jazyka',
        'da': 'Vælg sprog',
        'de': 'Sprachauswahl',
        'en': 'Language select',
        'eo': 'Lingvoelekto',
        'es': 'Seleccionar idioma',
        'et': 'Keele valimine',
        'fa': '\u0627\u0646\u062A\u062E\u0627\u0628 \u0632\u0628\u0627\u0646',
        'fi': 'Valitse kieli',
        'fr': 'Sélecteur de langue',
        'ko': '언어 선택',
        'mk': 'Јазик',
        'ml': 'ഭാഷ തിരഞ്ഞെടുക്കുക',
        'nds': 'Spraakutwahl',
        'nl': 'Taal',
        'pl': 'Wybierz język',
        'pt': 'Seleção do idioma',
        'ru': 'Выбор языка',
        'sv': 'Välj språk'
},
msgSelect: {
        'ca': 'Selecciona',
        'cs': 'Vybrat',
        'da': 'Vælg',
        'de': 'Auswählen',
        'en': 'Select',
        'eo': 'Elekti',
        'es': 'Escoger',
```

Translation

- Some solutions exist, invented by the community
- No native handling for localization

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Sharing

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- No native way to load gadgets from another wiki

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- No native way to load gadgets from another wiki
- Community workarounds

Sharing

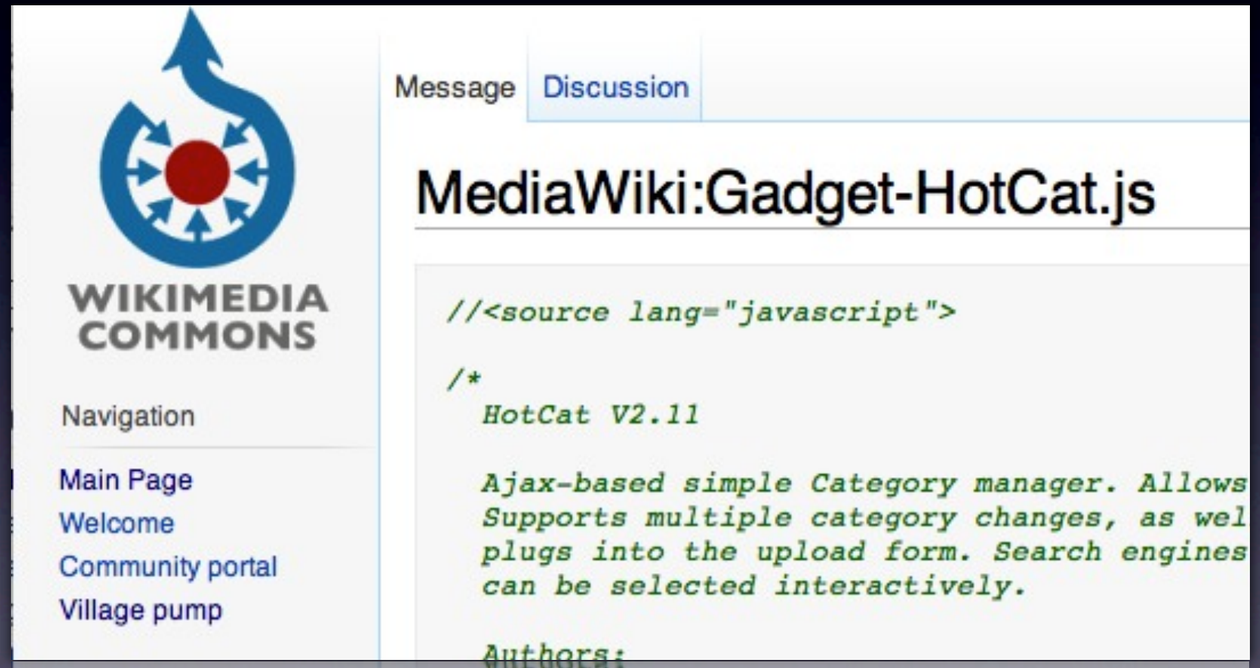
- No native way to load gadgets from another wiki
- Community workarounds
- Export/import feature incomplete
  (requires post-import manual fix-ups)

Sharing

Sharing

WIKIMEDIA COMMONS
Navigation
Main Page
Welcome
Community portal
Village pump
Message
Discussion
MediaWiki:Gadget-HotCat.js
//<source lang="javascript">
/*
HotCat V2.11
Ajax-based simple Category manager. Allows
Supports multiple category changes, as wel
plugs into the upload form. Search engines
can be selected interactively.
Authors:

Sharing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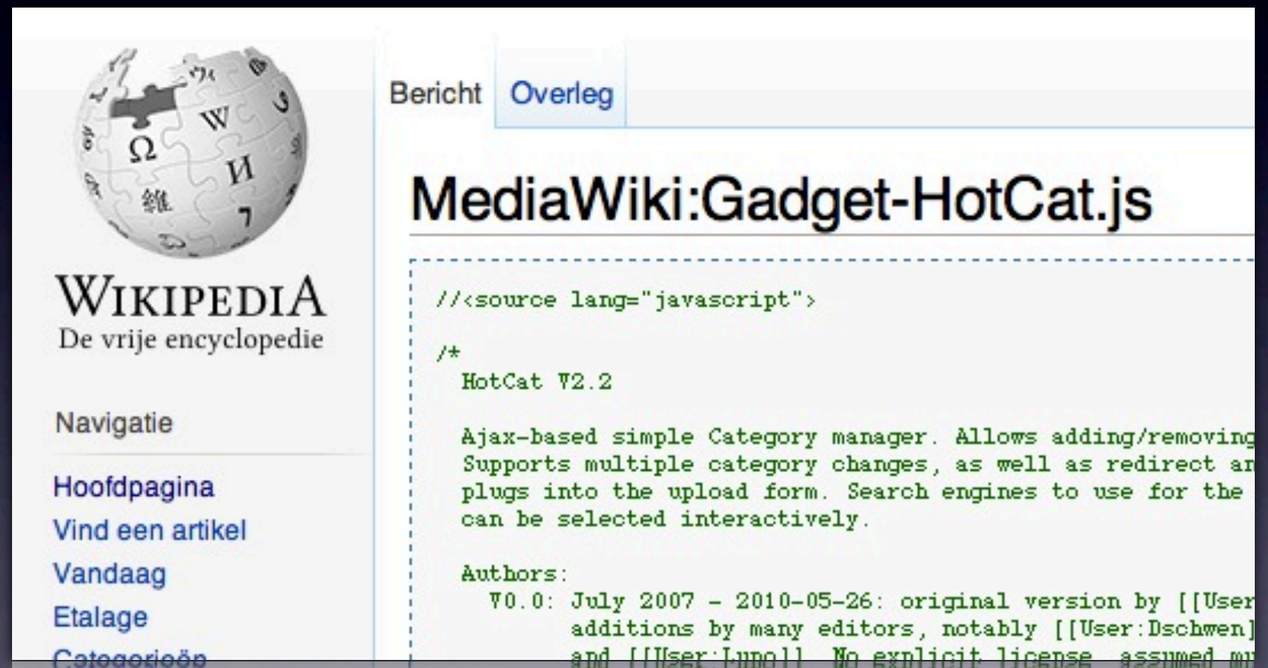
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MediaWiki:Gadget-HotCat.js
//<source lang="javascript">
/*
HotCat V2.2
Ajax-based simple Category manager. Allows adding/removing
Supports multiple category changes, as well as redirect an
plugs into the upload form. Search engines to use for the
can be selected interactively.
Authors:
V0.0: July 2007 - 2010-05-26: original version by [[User
additions by many editors, notably [[User:Dschwen]

Future

Gadgets 2.0

ResourceLoader

ResourceLoader

- Focus on front-end performance

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- Access to interface messages

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- JavaScript libraries (jQuery & MediaWiki.js)

ResourceLoader

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- Access to interface messages
- JavaScript libraries (jQuery & MediaWiki.js)
- Cross-wiki modules (foreign module source)

ResourceLoader

- Foc
- Acc
- Java
- Cre

```
var $button = jQuery( '<div>', {
  id: 'mw-example-button',
  text: mw.msg( 'gadget-example-button' )
} );

$button.on( 'click', function ( e ) {
  jQuery( '#mw-panel' ).fadeOut();
} );
```

Editing

Editing

- [[MediaWiki:Gadget-Example.js]] → [[Gadget:Example.js]]

Editing

- [[MediaWiki:Gadget-Example.js]] → [[Gadget:Example.js]]
- Permissions separate from MediaWiki namespace

Management

Management

- [[MediaWiki:Gadgets-definition]] → [[Special:Gadgets]]

Management

- [[MediaWiki:Gadgets-definition]] → [[Special:Gadgets]]
- [[Gadget definition:Example.js]]

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- [[MediaWiki:Gadgets-definition]] → [[Special:Gadgets]]
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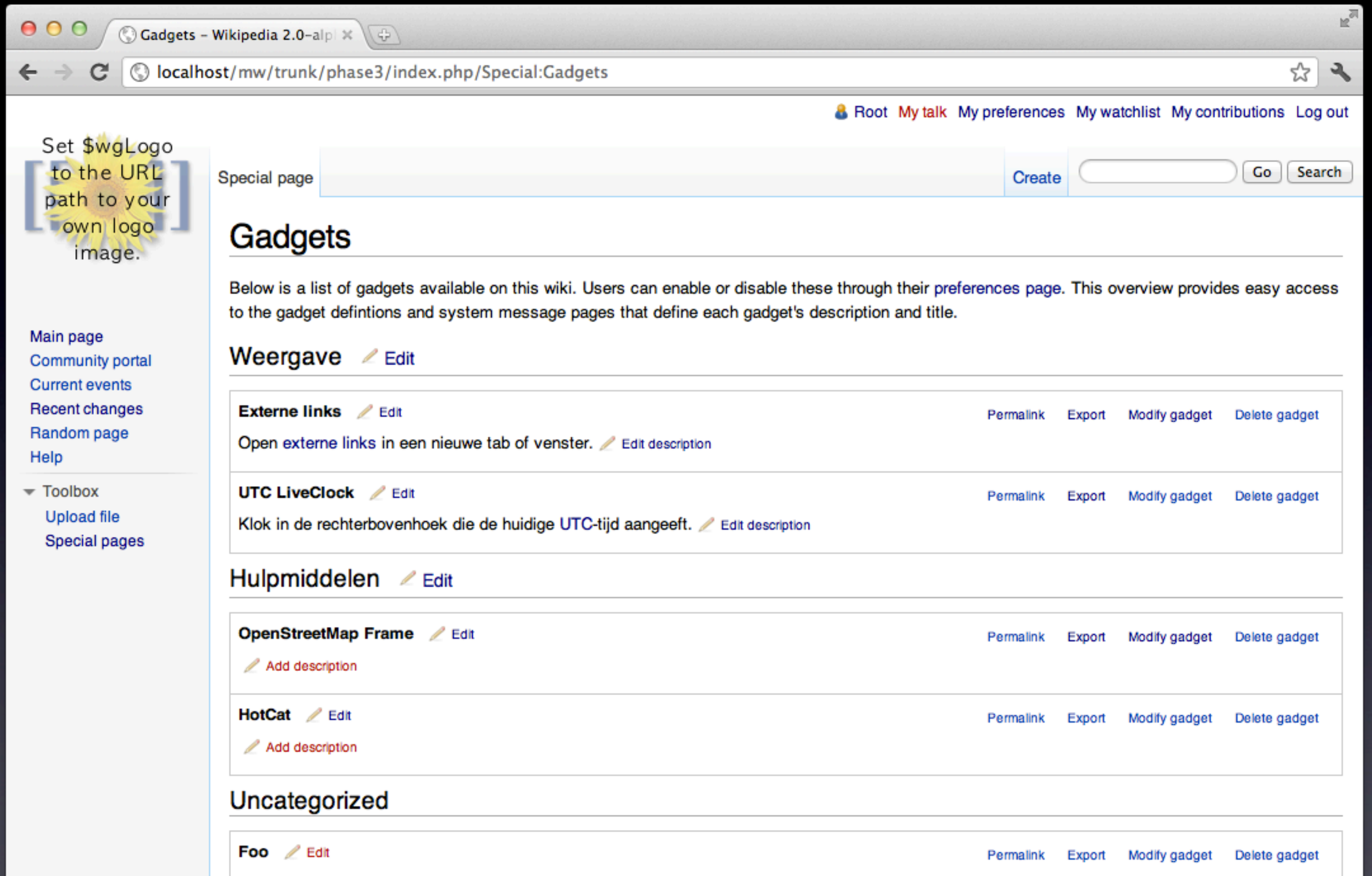
Gadgets – Wikipedia 2.0-alp
localhost/mw/trunk/phase3/index.php/Special:Gadgets
Root My talk My preferences My watchlist My contributions Log out
Set $wgLogo to the URL path to your own logo image.
Special page
Create
Go
Search
Main page
Community portal
Current events
Recent changes
Random page
Help
Toolbox
Upload file
Special pages
Gadgets
Below is a list of gadgets available on this wiki. Users can enable or disable these through their preferences page. This overview provides easy access to the gadget defintions and system message pages that define each gadget's description and title.
Weergave Edit
Externe links Edit
Permalink Export Modify gadget Delete gadget
Open externe links in een nieuwe tab of venster. Edit description
UTC LiveClock Edit
Permalink Export Modify gadget Delete gadget
Klok in de rechterbovenhoek die de huidige UTC-tijd aangeeft. Edit description
Hulpmiddelen Edit
OpenStreetMap Frame Edit
Permalink Export Modify gadget Delete gadget
Add description
HotCat Edit
Permalink Export Modify gadget Delete gadget
Add description
Uncategorized
Foo Edit
Permalink Export Modify gadget Delete gadget

Gadgets

Below is a list of
pages that define
- recent change

Weergave

UTC LiveClock
Klok in de recht

Externe links
Open externe lin

Hulpmiddel

OpenStreetMap
Add description

HotCat Edit
Add description

Uncategoriz

Foo Edit
Add description

Editing Example:

Gadget id: example

Module properties

Scripts: Three.js × Two.js ×

Styles: Red.css × Three.css ×

Dependencies: jquery.ui.dialog × mediawiki.Title × mediawiki.util ×

Messages: monday × tuesday × wednesday × thursday × friday × saturday × sunday ×

Gadget settings

Category: Weergave

Required user rights: delete × editinterface ×

Enable by default: ☑

Hide gadget: ☐

Share gadget: ☑

Save gadget

Privacy policy About Wikipedia 2.0-alpha Disclaimers

Localization

Localization

- Uses MediaWiki core localization framework

Localization

- Uses MediaWiki core localization framework
- Easy access through mw.message

Localization

- Uses MediaWiki core localization framework
- Easy access through mw.message
- Basic parsing (`$1`, `{{SITENAME}}`, `{{PLURAL:}}`, ..)

Localization

```
--- [[MediaWiki:Gadget-example-welcome]]
Hello $1, welcome back!

--- [[Gadget:Example.js]]
mw.msg( ‘gadget-example-welcome’, mw.user.name() );

// “Hello Krinkle, welcome back!”
```

Using other modules

Using other modules

- Gadgets can “use” other modules

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- Gadgets can “use” other modules
- Re-use commonly needed utilities

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- Dependencies

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```
var t = new mw.Title( ‘image: an_example.jpg’ );

t.getNamespacePrefix(); // “File:”
t.getMainText(); // “An example.jpg”
t.getUrl(); // “/wiki/File:An_example.jpg”
```

~~Duplicatie~~ Delen

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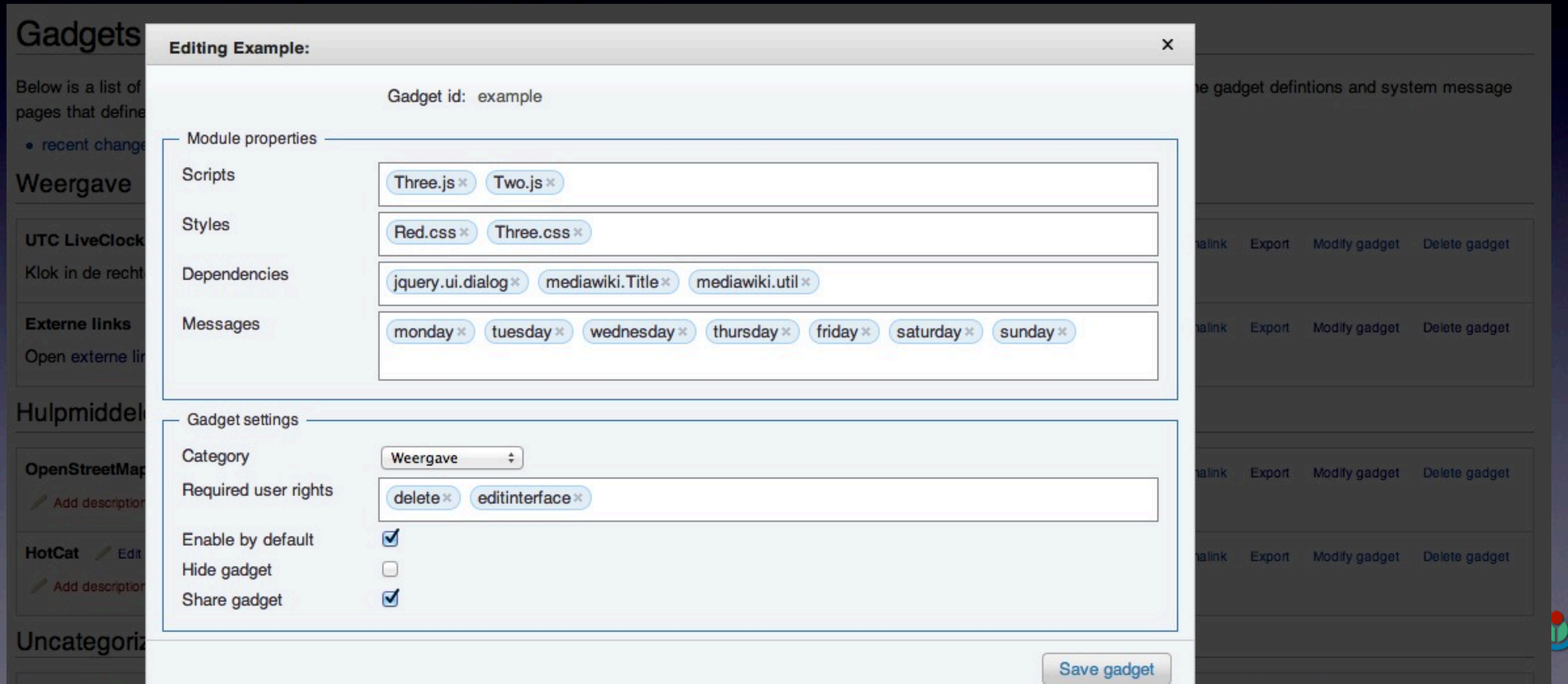
mediawiki.org



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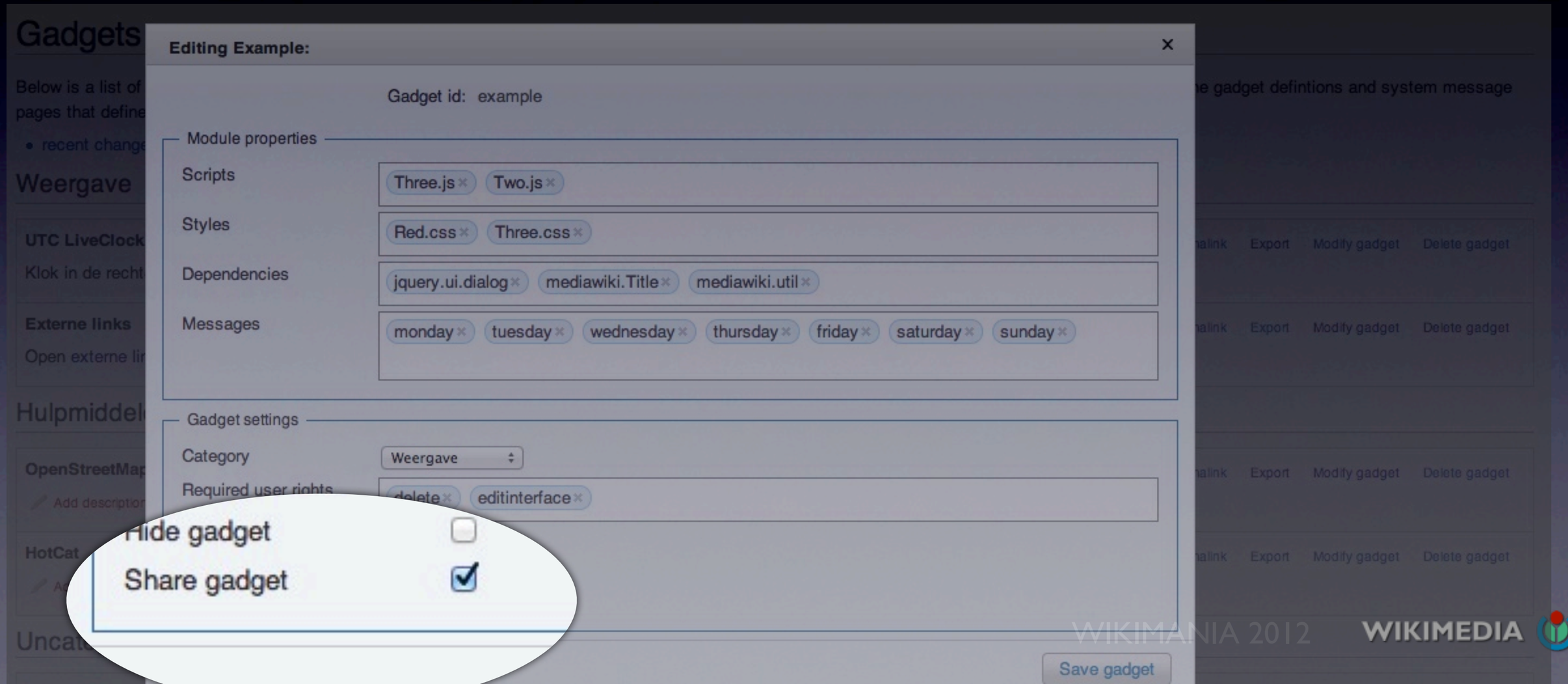

WIKIMANIA 2012 WIKIMEDIA

~~Duplicatie~~ Delen

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Demo

ResourceLoader 2

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mediawiki.org/wiki/RL2TEST

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