

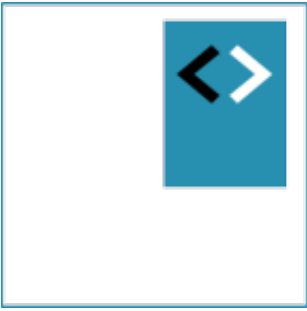


Ministerie van Defensie

HTML, CSS en JavaScript **Module - jQuery UI**



Peter Kassenaar
info@kassenaar.com



jQuery plug-ins

De standaardfunctionaliteit van jQuery uitbreiden

Plug-ins

- Doel: standaardgedrag uitbreiden
- Herhaalde gedragingen automatiseren
- Doeleinden:
 - Photo gallery
 - Slideshow
 - Validatie
 - tabellen
 - Drag/Drop
 - ...



Algemene werkwijze

1. jQuery Core invoegen via `<script>`
2. plug-in toevoegen via `<script>`
3. HTML/CSS/JavaScript schrijven
4. plugin activeren via `$('#selectie').plugin();`
5. eventueel: configuratieparameters.

Lees *altijd* de documentatie op de site!

De plug-in Cycle gebruiken

- <http://jquery.malsup.com/cycle/>

```
5 <title>jQuery voorbeeld 01</title>
6 <script src="scripts/jquery-1.7.1.min.js"></script>
7 <script src="scripts/jquery.cycle.all.js"></script>
8 </head>
9
10 <body>
11 <div id="fotoContainer">
12     
13     
14     
15     
16     
17     
18 </div>
19 <script>
20 $(document).ready(function() {
21     $('#fotoContainer').cycle();
22 });
23 </script>
24 </body>
```



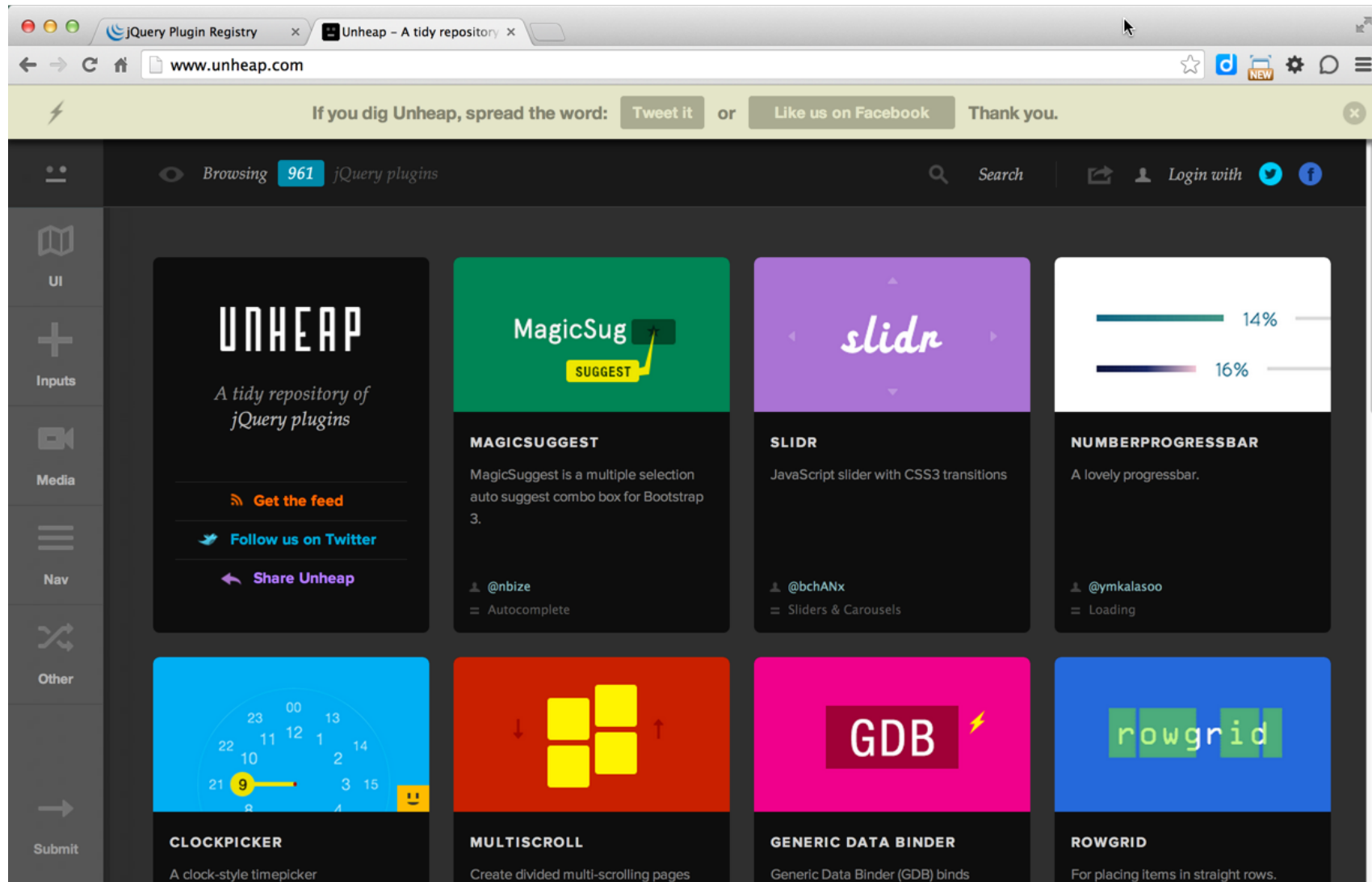
Meer plug-ins – categorieën

- Animaties
- Formulieren
- Responsive
- Validaties

Algemeen: de kwaliteit is wisselend. Afhankelijk van documentatie van de makers. Bekijk ook:

- Activiteit op github
- Ondersteunend forum, discussiegroep, StackOverflow?
- Sites die de plug-in gebruiken

Andere repositories




<http://www.unheap.com/>

jQuery Plugin Registry x jQuery Plugins, jQuery Tut x

jquery-plugins.net

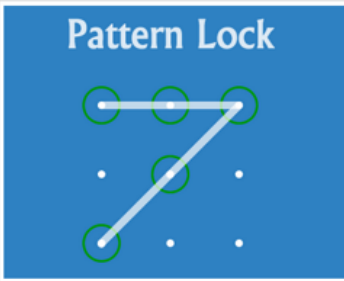
Categories v Tutorials Popular Submit Plugin Advertise 10% off Follow v Search

jQuery Plugins

CREATE AN ONLINE STORE WITH  **shopify** TRY FOR FREE

Pattern Lock – jQuery Plugin for Android Style Pattern Lock

May 20, 2014 239 Others



Pattern Lock

Pattern Lock is a lightweight plugin to simulate android like pattern lock mechanism for your hybrid app or for a website.

It's easy to configure and style so you can have different type of pattern lock according to your need. Is also provide some methods to use this plugin securely.

[Read More »](#)

Minimus Slider – Responsive jQuery Slider

May 20, 2014 390 Slider Responsive



Minimus Slider

Minimus Slider is a minimal and compact jQuery slider. It is responsive, it comes with only a few essential parameters that can be set to fit your

Advertisement

(mt) VPS HOSTING

GoJS for HTML5 Canvas is a JavaScript library for interactive diagrams.

 SPECIAL OFFER  Get Free 100 SPD

OPTIMIZE YOUR IMAGES NOW KRAKEN.IO

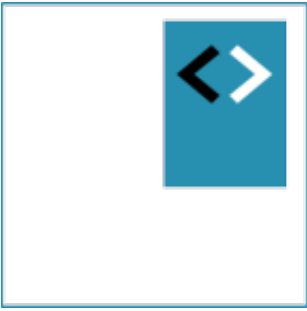
TOUCH SLIDER

ADVERTISE HERE

Make Your

<http://jquery-plugins.net/>

<http://www.jque.re/>



jQuery UI

Met weinig inspanning snel visuele verfraaiing aanbrengen

jQuery UI - kenmerken

- Doel: visuele verfraaiing van de pagina met weinig inspanning
- Betere en consistentere gebruikerservaring
- Onderdelen:
 - 1 Interactions
 - 2 Widgets
 - 3 Utilities
 - 4 Effects

Geschikt voor desktop
(!= mobile)

Interactions

- Draggable
- Droppable
- Resizable
- Selectable
- Sortable

Widgets

- Accordion
- Autocomplete
- Button
- Datepicker
- Dialog
- Menu
- Progressbar
- Slider
- Spinner
- Tabs
- Tooltip

Effects

- Add Class
- Color Animation

jQuery UI Demos

jQuery UI offers a combination of interaction, effects, widgets, utilities, and themes designed to work well together or on their own. Play with the demos, view the source, [build a theme](#), read the [API documentation](#) and start using jQuery UI today.

Interactions

Interactions add basic mouse-based behaviors to any element. You can create sortable lists, resizable elements, drag & drop behaviors and more with just a few lines of code. Interactions also make great building blocks for more complex widgets and applications.

- [Draggable](#)
- [Droppable](#)
- [Resizable](#)
- [Selectable](#)
- [Sortable](#)

Widgets

Widgets are full-featured UI controls that bring the richness of desktop applications to the Web. All widgets provide a solid core with plenty of extension points for customizing behavior, as well as full theming support.

- [Accordion](#)
- [Autocomplete](#)
- [Button](#)
- [Datepicker](#)
- [Dialog](#)
- [Menu](#)
- [Progressbar](#)
- [Slider](#)

Werking jQuery UI

- Eerst jQuery Core toevoegen via `<script>`
- Dan jQuery UI toevoegen
 - Downloaden & zelf samenstellen inhoud
- Functies gebruiken alsof het plugins zijn:
 - `$ ('#selectie') .opdracht ()` of
 - `$ ('#selectie')`
`.opdracht ({parameters});`



SAN DIEGO, CA
FEB 12 - 13, 2014

Download Builder

Quick downloads: [Stable \(Themes\)](#) (1.10.3: for jQuery1.6+) | [Legacy \(Themes\)](#) (1.9.2: for jQuery1.6+)
[All jQuery UI Downloads](#)

Version

- ☒ 1.10.3 (Stable, for jQuery1.6+)
- ☐ 1.9.2 (Legacy, for jQuery1.6+)

Components

☒ Toggle All

UI Core

☒ Toggle All

A required dependency, contains basic functions and initializers.

☒ Core

The core of jQuery UI, required for all interactions and widgets.

☒ Widget

Provides a factory for creating stateful widgets with a common API.

☒ Mouse

Abstracts mouse-based interactions to assist in creating certain widgets.

☒ Position

Positions elements relative to other elements.

Interactions

☒ Toggle All

These add basic behaviors to any element and are used by many components below.

☒ Draggable

Enables dragging functionality for any element.

☒ Droppable

Enables drop targets for draggable elements.

☒ Resizable

Enables resize functionality for any element.

☒ Selectable

Allows groups of elements to be selected with the mouse.

Onderdelen jQuery UI

- Interactions

- Interactie met de bezoeker: drag/drop, sorteren en selecteren van elementen

- Widgets

- visuele hulpjes: Accordion, Autocomplete, Slider, Tabs

- Utilities & Effects

- Elementen positioneren, animatie-effecten

Eenvoudige widgets

- DatePicker
- Slider
- Functionaliteit geven met JavaScript



Drag & Drop

1. Elementen versleepbaar maken
2. Elementen als Dropzone aanmerken
3. Zelf JavaScript schrijven voor verdere afhandeling
 - Ook: zelf HTML/CSS toevoegen

Elementen versleepbaar maken

- Let er op dat jQuery UI is geladen
- Gebruik de method `.draggable()`

```
13 <script>
14 $(document).ready(function(e) {
15     // alle jQuery-script komt hier
16     // elementen draggable maken
17     $('.dragme').draggable();
18     $('.dropzone').droppable(
19     {drop: function(event, ui) {
```



```

14 $(document).ready(function(e) {
15     // alle jQuery-script komt hier
16     // elementen draggable maken
17     $('.dragme').draggable();
18     $('.dropzone').droppable(
19         {drop: function( event, ui ) {
20             if(ui.draggable.data('nummer')== $(this).data('accept')){
21                 alert('gefeliciteerd!');
22             }
23             else{
24                 alert('jammer, probeer het nog een keer');
25             }
26         },
27         accept : '.dragme'
28     );
29 });
30 });

```

```

70 <body>
71 <!-- Inhoud van de pagina -->
72 <div class="dragme tekst" id="drag1" data-nummer="1">1</div>
73 <div class="dragme tekst" id="drag2" data-nummer="2">2</div>
74 <div class="dragme tekst" id="drag3" data-nummer="3">3</div>
75 <div class="dropzone oranje tekst" id="dropzone1" data-accept="1"><p>1</p></div>
76 <div class="dropzone groen tekst" id="dropzone2" data-accept="2"><p>2</p></div>
77 <div class="dropzone rood tekst" id="dropzone3" data-accept="3"><p>3</p></div>
78 </body>
79 </html>
80

```



Tal van parameters

- Parameters doorgeven via JavaScript-object:

```
<Code />

$('#makeMeDraggable').draggable( {
  option1: value1,
  option2: value2,
  ...
} );
```

Overzicht van alle parameters / options:

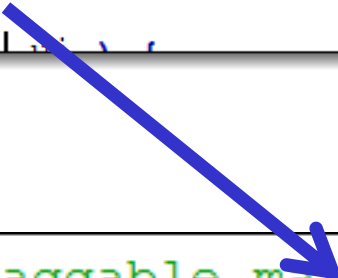
<http://jqueryui.com/demos/draggable/>

Veelgebruikt:

- containment
- cursor
- snap
- stack

Voorbeeld parameters

```
14 $(document).ready(function(e) {  
15     // parameters voor Drag/Drop  
16     var dragParameters = {  
17         containment: '#container',  
18         cursor    : 'move',  
19         snap      : '.draggable',  
20         stack     : '.dragme',  
21         helper    : 'clone'  
22     }  
23     // elementen draggable maken  
24     $('.dragme').draggable(dragParameters);  
25     $('.dropzone').droppable(  
26         {drop: function(event, ui) {
```



```
    // elementen draggable maken  
    $('.dragme').draggable(dragParameters);  
    $('.dropzone').droppable(  
        {
```

Het parameter-object is een gewone object literal. Let dus op accolades, komma's, aanhalingstekens!

DatePicker

- Datum-formattering toevoegen aan tekstveld
- Let op: *geen* duizenddingendoekje
 - alleen visuele weergave
 - Zelf JavaScript schrijven voor verdere afhandeling

```

17 <!-- Inhoud van de pagina -->
18 <input type="text" id="datum" /> Datum
19 <script>
20 $(document).ready(function(e) {
21     // alle jQuery-script komt hier
22     $('#datum').datepicker();
23 });
24 </script>
25 </body>

```

Ook weer: tal van parameters.

Bekijk deze zelf op

<http://jqueryui.com/demos/datepicker/>

April 2012						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Accordion

- Live demo
 - Zelf doen
 - Tip: Copy-paste vanaf jqueryui.com
 - Maar: let op *wat je* kopieert en plakt



Oefening

- Maak zelf een interface met jQuery UI
- Lees de documentatie,
- Test diverse widgets

