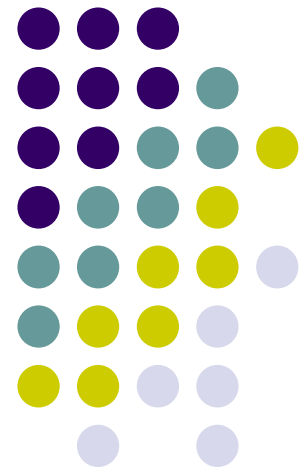# jQuery-UI

jQuery UI

- jQuery UI ofrece una serie de interacciones, efectos, widgets, utilidades, y temas creados para crear paginas web.
- **Interactiones**
  - Las interacciones añaden comportamientos básicos del mouse a cualquier elemento. Se pueden crear listas "sortable" (que se pueden ordenar), elementos "resize" (que cambian de tamaño), drag & drop, con pocas líneas de código.
- **Widgets**
  - Los Widgets son controles pre-definidos UI que aportan controles y acciones típicas de las aplicaciones desktop. Cada widget proporciona una base y una serie de extensiones para personalizar el comportamiento.
- **Effects**
  - Los efectos añaden suporte para colores y animaciones.

jQuery UI

- http://jqueryui.com/demos/

jQuery
user interface

Demos   Download   API Documentation   Themes   Development   Support   Blog   About   Search

Interactions

- Draggable
- Droppable
- Resizable
- Selectable
- Sortable

Widgets

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.
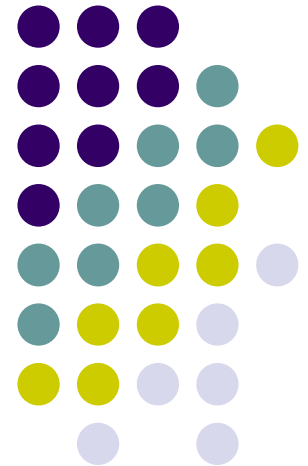
Interactions

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 or code. Interactions also make great building blocks for more complex widgets and applications.

- Draggable

Interactions

Draggable – Constrained movement

Constrain movement along an axis:

I can be dragged only vertically

I can be dragged only horizontally

Or to within another DOM element:

I'm contained within the box

I'm contained within my parent

```html
<body>
<h3>Constrain movement along an axis:</h3>

<div id="draggable" class="draggable ui-widget-content">
    <p>I can be dragged only vertically</p>
</div>


<div id="draggable2" class="draggable ui-widget-content">
    <p>I can be dragged only horizontally</p>
</div>


<h3>Or to within another DOM element:</h3>
<div id="containment-wrapper">
    <div id="draggable3" class="draggable ui-widget-content">
        <p>I'm contained within the box</p>
    </div>


    <div class="draggable ui-widget-content">
        <p id="draggable5" class="ui-widget-header">I'm contained within
    my parent</p>
    </div>
</div>
</body>
</html>
```
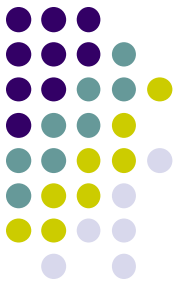
```
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>jQuery UI Draggable - Constrain movement</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css">
    <style>
    .draggable { width: 90px; height: 90px; padding: 0.5em; float: left; margin: 0 10px 10px 0; }
    #draggable, #draggable2 { margin-bottom:20px; }
    #draggable { cursor: n-resize; }
    #draggable2 { cursor: e-resize; }
{ width: 95%; height:150px; border:2px solid #ccc; padding: 10px; }
    h3 { clear: left; }   #containment-wrapper
    </style>
    <script>
    $(function() {
        $( "#draggable" ).draggable({ axis: "y" });
        $( "#draggable2" ).draggable({ axis: "x" });

        $( "#draggable3" ).draggable({ containment: "#containment-wrapper", scroll: false });
        $( "#draggable5" ).draggable({ containment: "parent" });
    });
    </script>
</head>
```
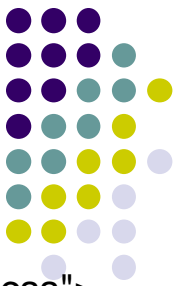
Draggable – Cursor style

I will always stick to the center (relative to the mouse)

My cursor position is only controlled for the 'bottom' value

My cursor is at left -5 and top -5

Draggable – Delay start

Only if you drag me by 20 pixels, the dragging will start

Regardless of the distance, you have to drag and wait for 1000ms before dragging starts
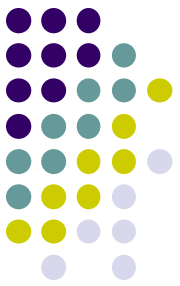
Draggable - Events

Drag me to trigger the chain of events.

▶ "start" invoked **3**x

✛ "drag" invoked **131**x

■ "stop" invoked **2**x

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>jQuery UI Draggable - Events</title>
  <link rel="stylesheet" href="//code.jquery.com/ui/1.11.4/themes/smoothness/jquery-ui.css">
  <script src="//code.jquery.com/jquery-1.10.2.js"></script>
  <script src="//code.jquery.com/ui/1.11.4/jquery-ui.js"></script>
  <link rel="stylesheet" href="/resources/demos/style.css">
  <style>
  #draggable { width: 16em; padding: 0 1em; }
  #draggable ul li { margin: 1em 0; padding: 0.5em 0; } * html #draggable ul li { height: 1%; }
  #draggable ul li span.ui-icon { float: left; }
  #draggable ul li span.count { font-weight: bold; }
  </style>
<script>
....
<script>

</head>
<body>
```

Página siguiente

```
<div id="draggable" class="ui-widget ui-widget-content">

  <p>Drag me to trigger the chain of events.</p>

  <ul class="ui-helper-reset">
    <li id="event-start" class="ui-state-default ui-corner-all"><span class="ui-icon ui-icon-play"></span>"start" invoked <span
class="count">0</span>x</li>
    <li id="event-drag" class="ui-state-default ui-corner-all"><span class="ui-icon ui-icon-arrow-4"></span>"drag" invoked <span
class="count">0</span>x</li>
    <li id="event-stop" class="ui-state-default ui-corner-all"><span class="ui-icon ui-icon-stop"></span>"stop" invoked <span
class="count">0</span>x</li>
  </ul>
</div>


</body>
</html>
```
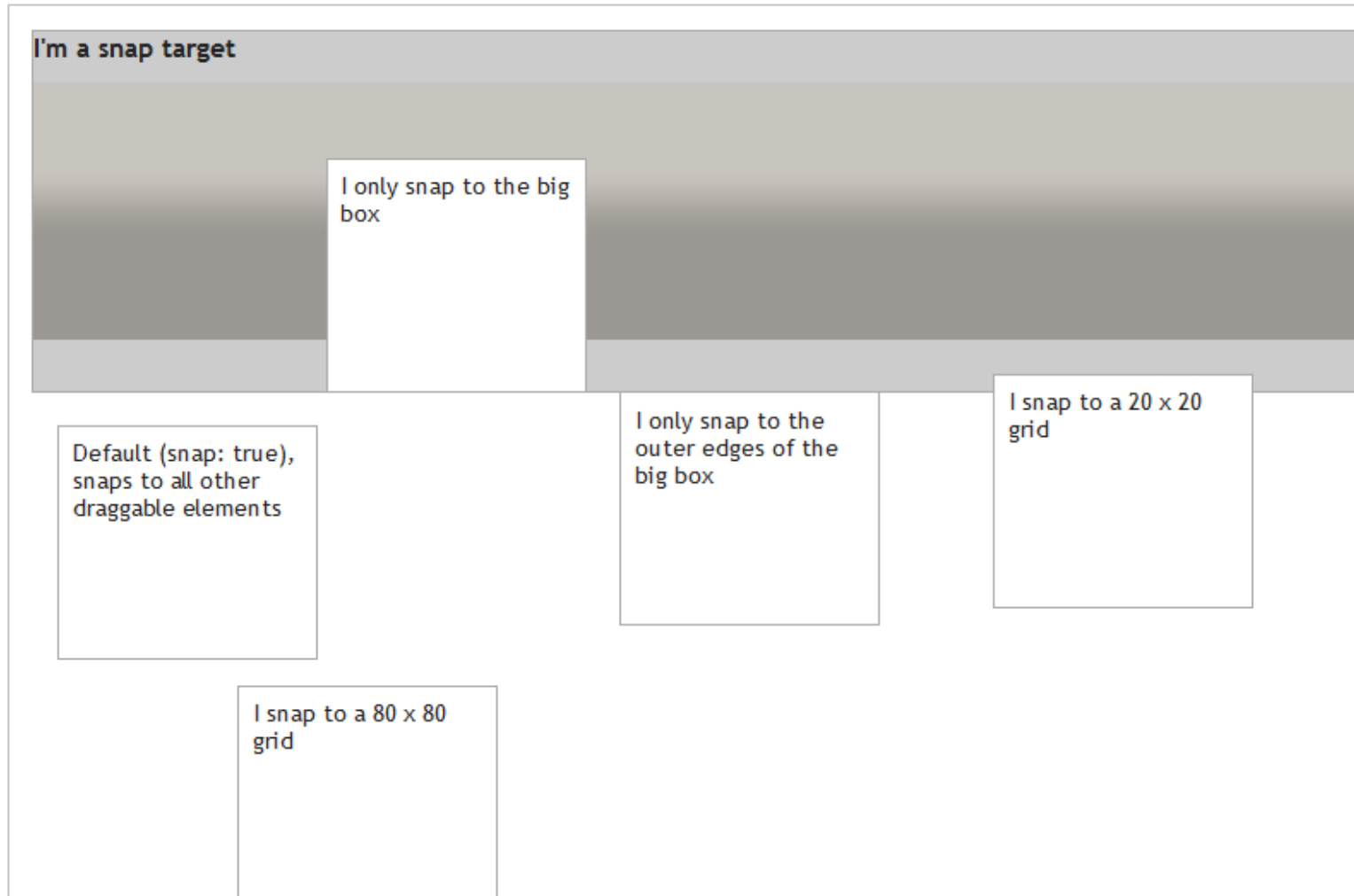
```
<script>
  $(function() {
    var $start_counter = $( "#event-start" ),
      $drag_counter = $( "#event-drag" ),
      $stop_counter = $( "#event-stop" ),
      counts = [ 0, 0, 0 ];

    $( "#draggable" ).draggable({
      start: function() {
        counts[ 0 ]++;
        updateCounterStatus( $start_counter, counts[ 0 ] );
      },
      drag: function() {
        counts[ 1 ]++;
        updateCounterStatus( $drag_counter, counts[ 1 ] );
      },
      stop: function() {
        counts[ 2 ]++;
        updateCounterStatus( $stop_counter, counts[ 2 ] );
      }
    });

    function updateCounterStatus( $event_counter, new_count ) {
      // first update the status visually...
      if ( !$event_counter.hasClass( "ui-state-hover" ) ) {
        $event_counter.addClass( "ui-state-hover" )
          .siblings().removeClass( "ui-state-hover" );
      }
      // ...then update the numbers
      $( "span.count", $event_counter ).text( new_count );
    }
  });
</script>
```
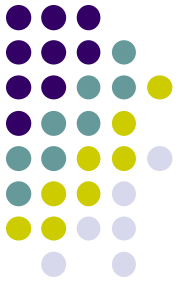
Draggable – Element on grid

I'm a snap target

I only snap to the big box

Default (snap: true), snaps to all other draggable elements

I only snap to the outer edges of the big box

I snap to a 20 x 20 grid

I snap to a 80 x 80 grid

Droppable

Drag me to my target

accept: '#draggable'

I'm draggable but
can't be dropped

```html
<!doctype html>
<head>
    <meta charset="utf-8"> <title>jQuery UI Droppable - Default functionality</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-
    ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css">
    <style>
    #draggable { width: 100px; height: 100px; padding: 0.5em; float: left; margin: 10px
    10px 10px 0; }
    #droppable { width: 150px; height: 150px; padding: 0.5em; float: left; margin: 10px; }
    </style>
    <script>
    $(function() {
            $( "#draggable" ).draggable();
            $( "#droppable" ).droppable({
                    drop: function( event, ui ) {
                    $( this ).addClass( "ui-state-highlight" ).find( "p" ).html( "Dropped!" );
                    }});});
    </script>
</head> <body> <div id="draggable" class="ui-widget-content">
    <p>Drag me to my target</p>
</div> <div id="droppable" class="ui-widget-header">
    <p>Drop here</p>
</div> </body> </html>
```

Droppable - Areas

Dropped!

ppable (not greedy)

Drag me to my target

Outer droppable

Inner droppable (greedy)

Droppable – Ej Cart demo

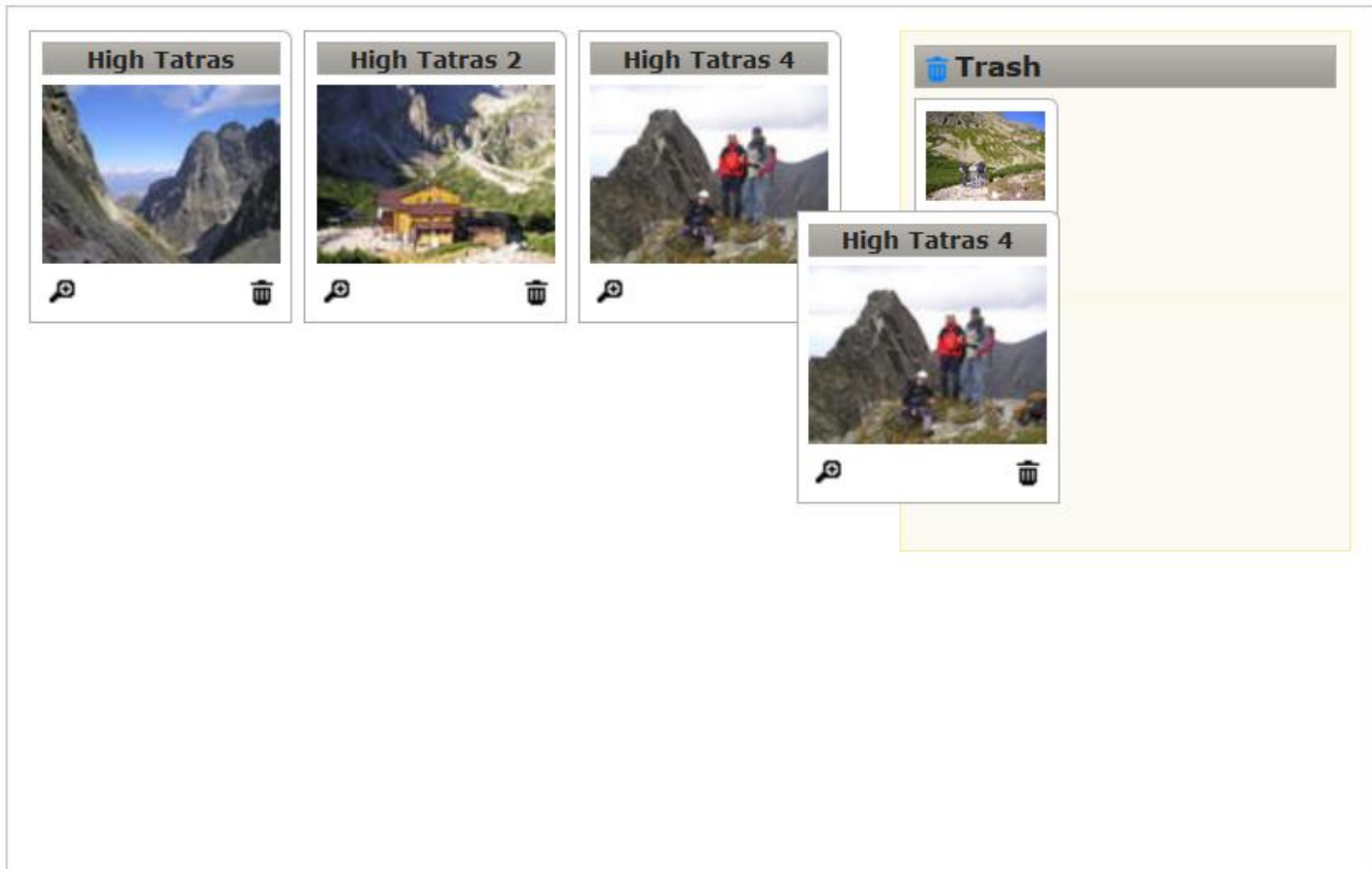**Products**

▸ T-Shirts

▸ Bags
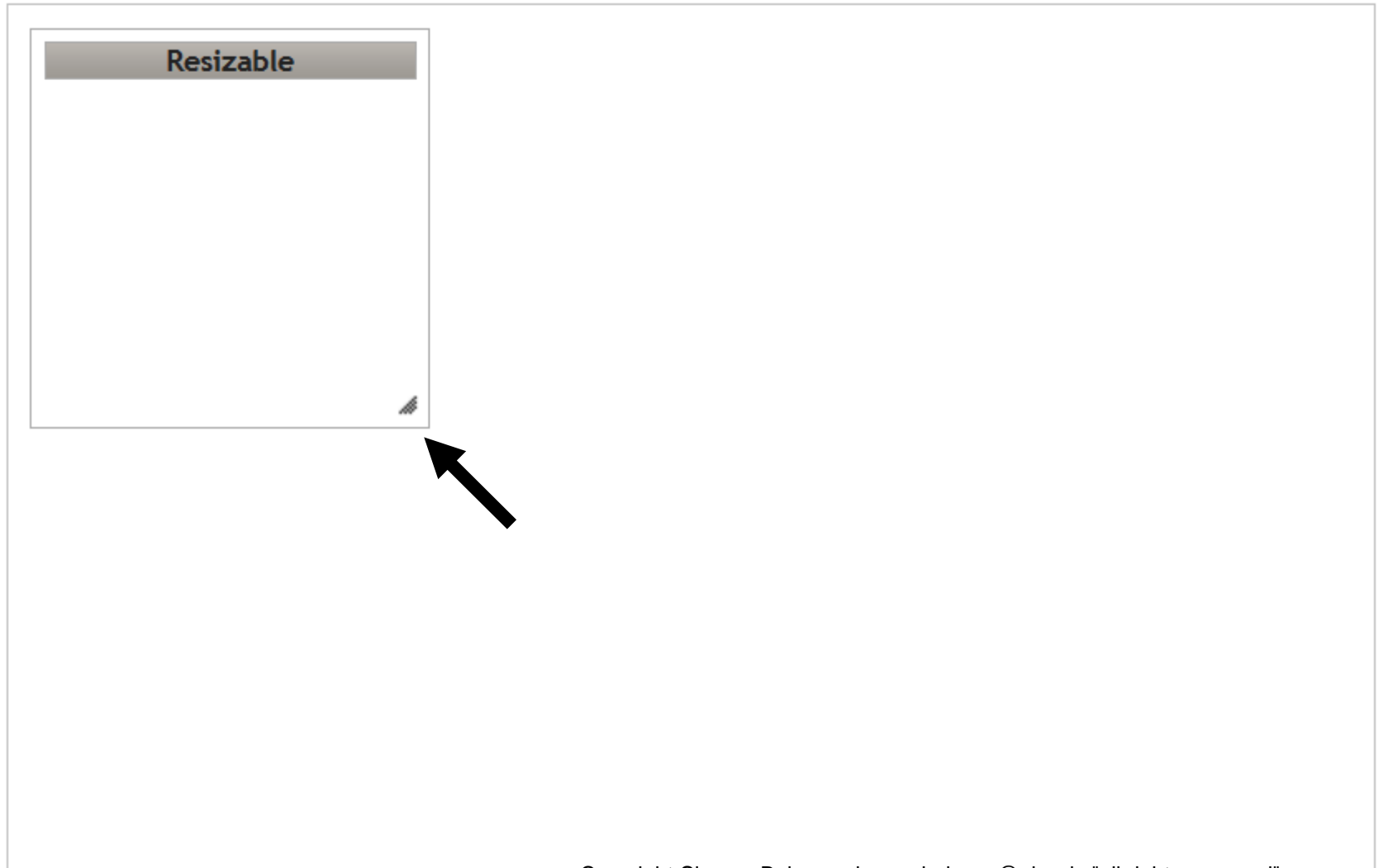
▾ Gadgets

- iPhone
- iPod
- iPad

Shopping Cart

1. Zebra Striped
2. iPhone
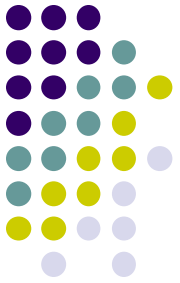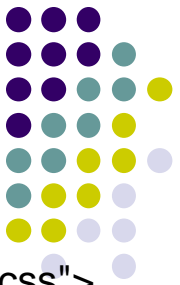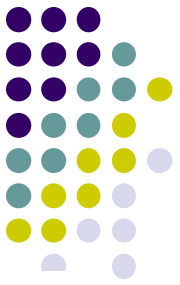
Droppable – ej photo manager

Resizable

```
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>jQuery UI Resizable - Default functionality</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css">
    <style>
    #resizable { width: 150px; height: 150px; padding: 0.5em; }
    #resizable h3 { text-align: center; margin: 0; }
    </style>
    <script>
    $(function() {
            $( "#resizable" ).resizable();
    });
    </script>
</head>
<body>

<div id="resizable" class="ui-widget-content">
    <h3 class="ui-widget-header">Resizable</h3>
</div>


</body>
</html>
```
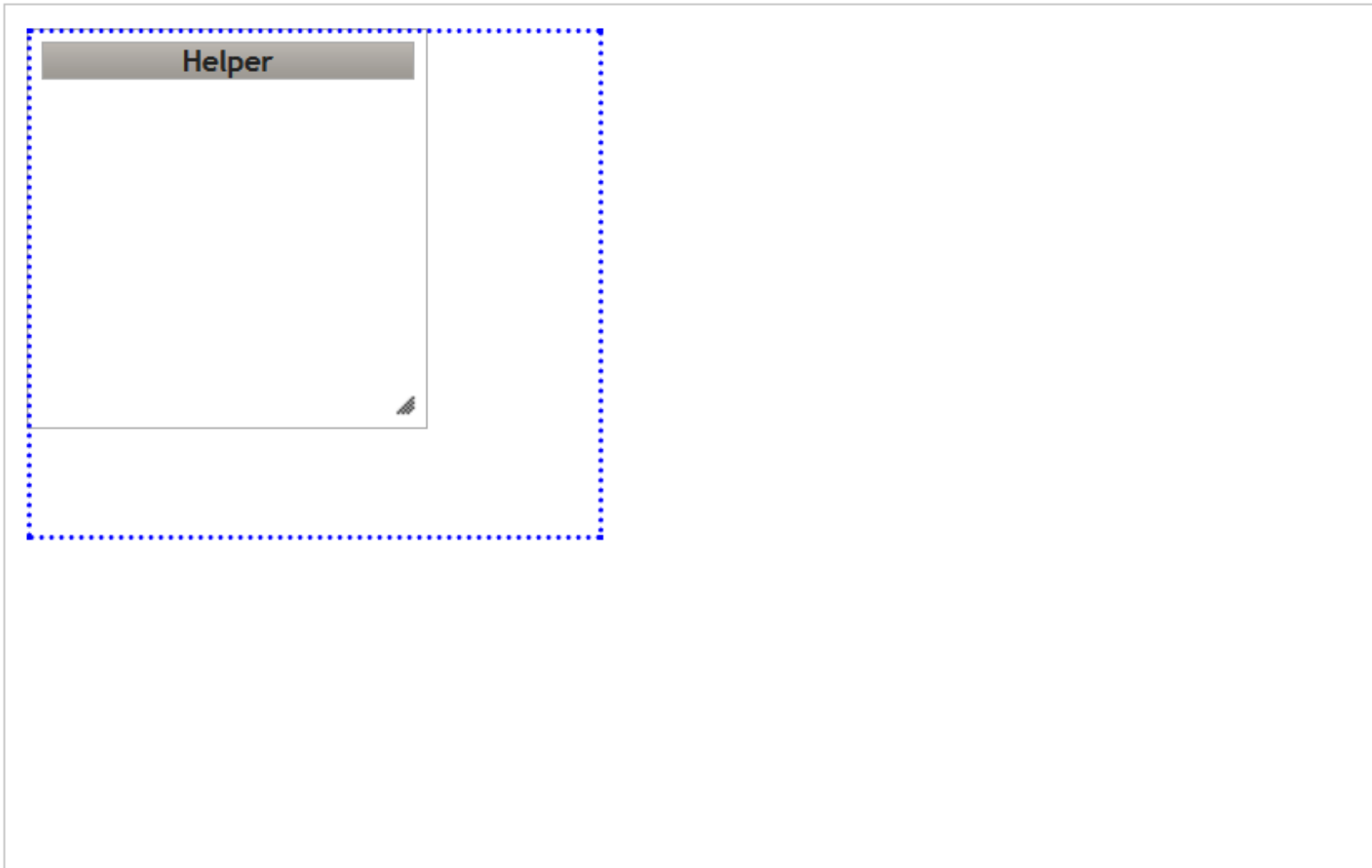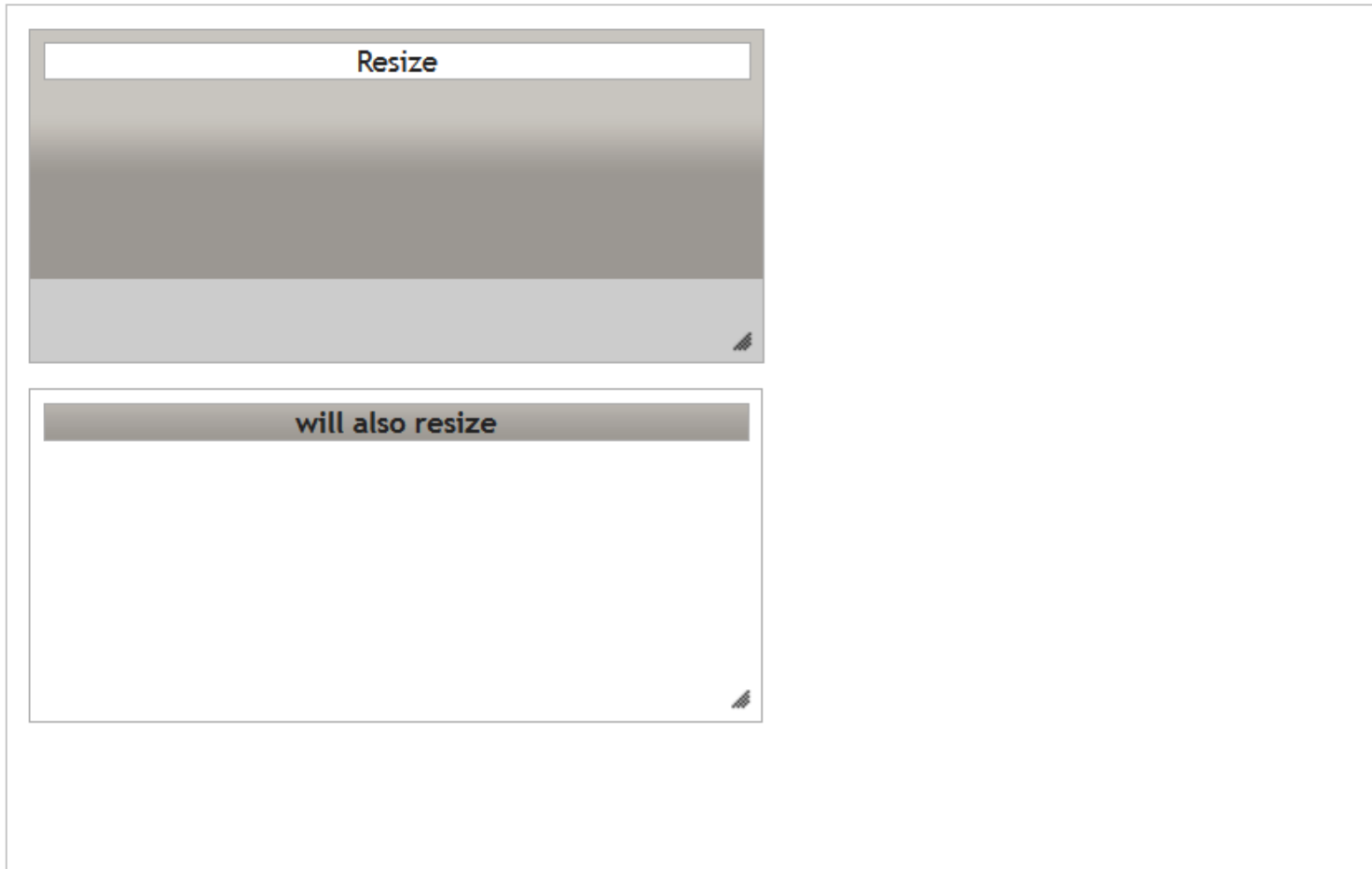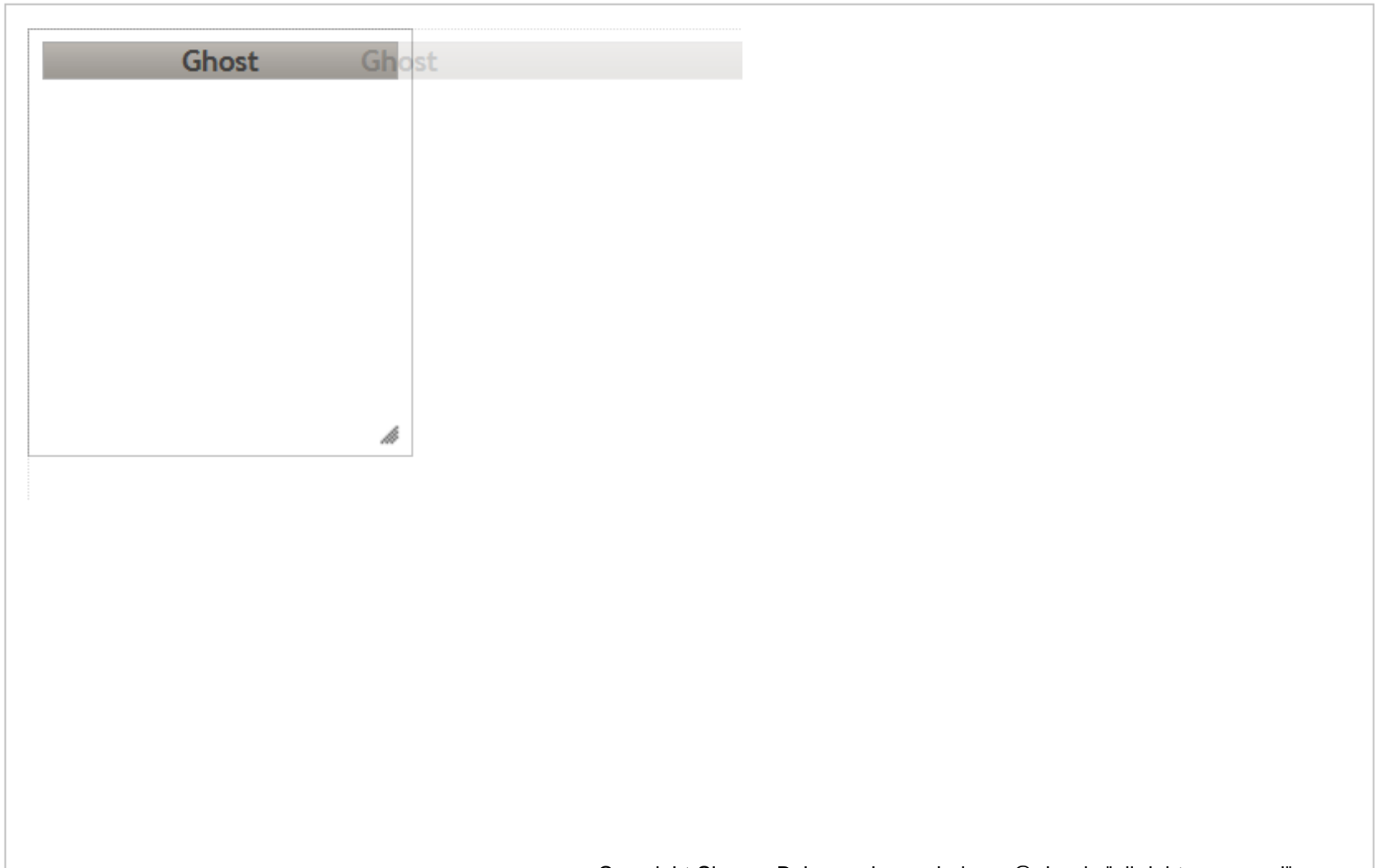
Resizable – Contained area

Resizable - Helper

Resizable – Syncronous Resize

Resizable

Selectable - Serialize

You've selected: #2 #4 #5.

Item 1
Item 2
Item 3
Item 4
Item 5
Item 6

```html
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>jQuery UI Selectable - Serialize</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css"> <style>
    #feedback { font-size: 1.4em; }
    #selectable .ui-selecting { background: #FECA40; }
    #selectable .ui-selected { background: #F39814; color: white; }
    #selectable { list-style-type: none; margin: 0; padding: 0; width: 60%; }
    #selectable li { margin: 3px; padding: 0.4em; font-size: 1.4em; height: 18px; }
    </style>              <script>
    $(function() {
            $( "#selectable" ).selectable({
                        stop: function() {
                                var result = $( "#select-result" ).empty();
                                $( ".ui-selected", this ).each(function() {
                                        var index = $( "#selectable li" ).index( this );
                                        result.append( " #" + ( index + 1 ) );
                                });          }              });});
    </script>
</head> <body>

<p id="feedback">
<span>You've selected:</span> <span id="select-result">none</span>.
</p>
<ol id="selectable">
    <li class="ui-widget-content">Item 1</li>      <li class="ui-widget-content">Item 2</li>
    <li class="ui-widget-content">Item 3</li>      <li class="ui-widget-content">Item 4</li>
    <li class="ui-widget-content">Item 5</li>      <li class="ui-widget-content">Item 6</li>
</ol> </body> </html>
```
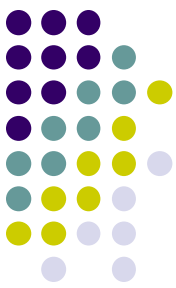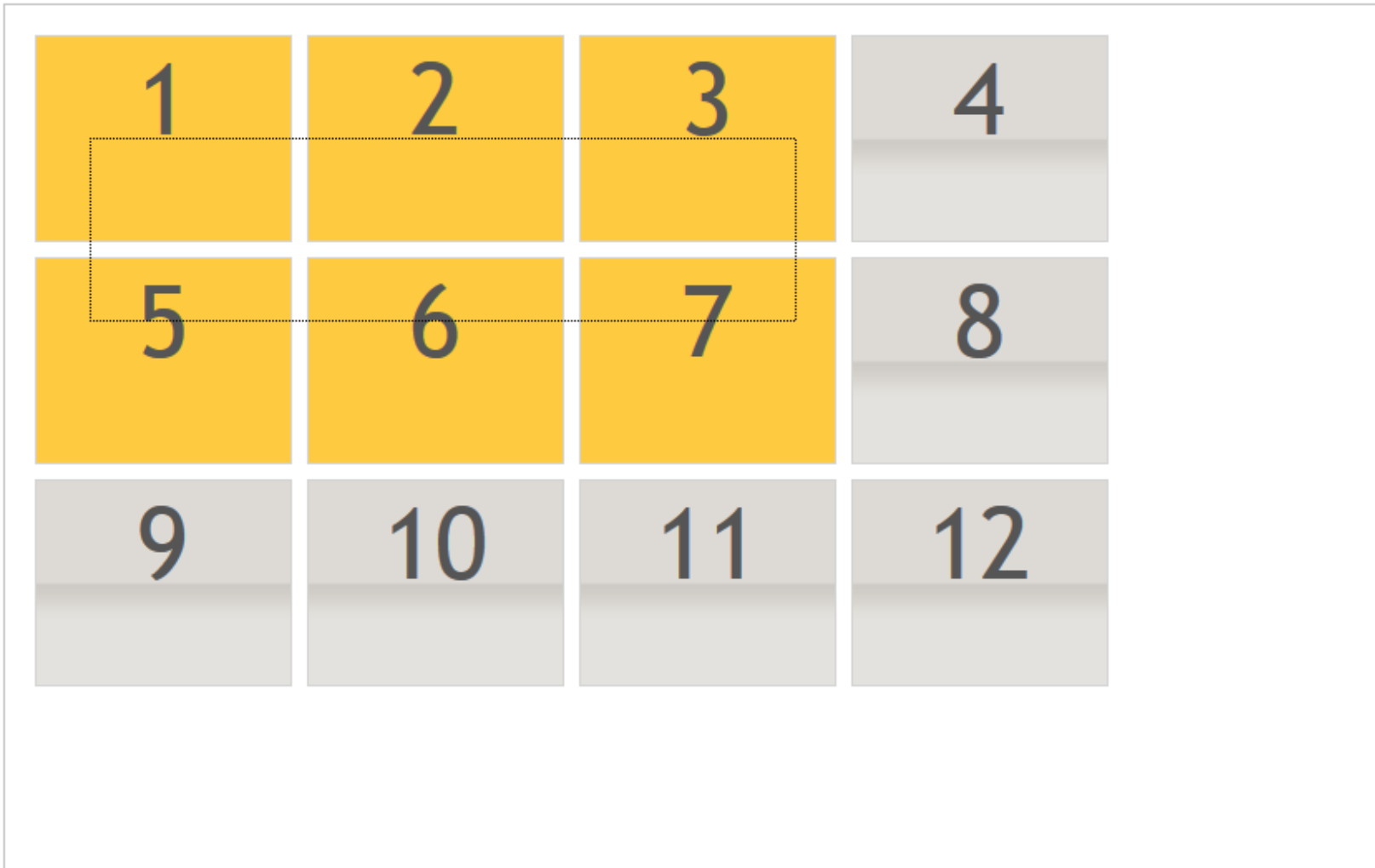
Selectable - Grid

Sortable

‡ Item 2

‡ Item 1
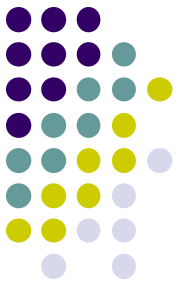
‡ Item 3

‡ Item 4

‡ Item 5

‡ Item 6

‡ Item 7

```html
<!doctype html> <html lang="en"> <head>
    <meta charset="utf-8">
    <title>jQuery UI Sortable - Default functionality</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css">      <style>
    #sortable { list-style-type: none; margin: 0; padding: 0; width: 60%; }
    #sortable li { margin: 0 3px 3px 3px; padding: 0.4em; padding-left: 1.5em; font-size: 1.4em;
    height: 18px; }
    #sortable li span { position: absolute; margin-left: -1.3em; }     </style>
    <script>
    $(function() {
            $( "#sortable" ).sortable();
            $( "#sortable" ).disableSelection();
    });
    </script>
</head> <body>
<ul id="sortable">
    <li class="ui-state-default"><span class="ui-icon ui-icon-arrowthick-2-n-s"></span>Item
    1</li>
    <li class="ui-state-default"><span class="ui-icon ui-icon-arrowthick-2-n-s"></span>Item
    2</li>
    <li class="ui-state-default"><span class="ui-icon ui-icon-arrowthick-2-n-s"></span>Item
    3</li>
    <li class="ui-state-default"><span class="ui-icon ui-icon-arrowthick-2-n-s"></span>Item
    4</li>
    <li class="ui-state-default"><span class="ui-icon ui-icon-arrowthick-2-n-s"></span>Item
    5</li>
</ul> </body></html>
```
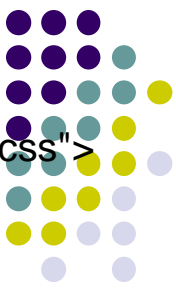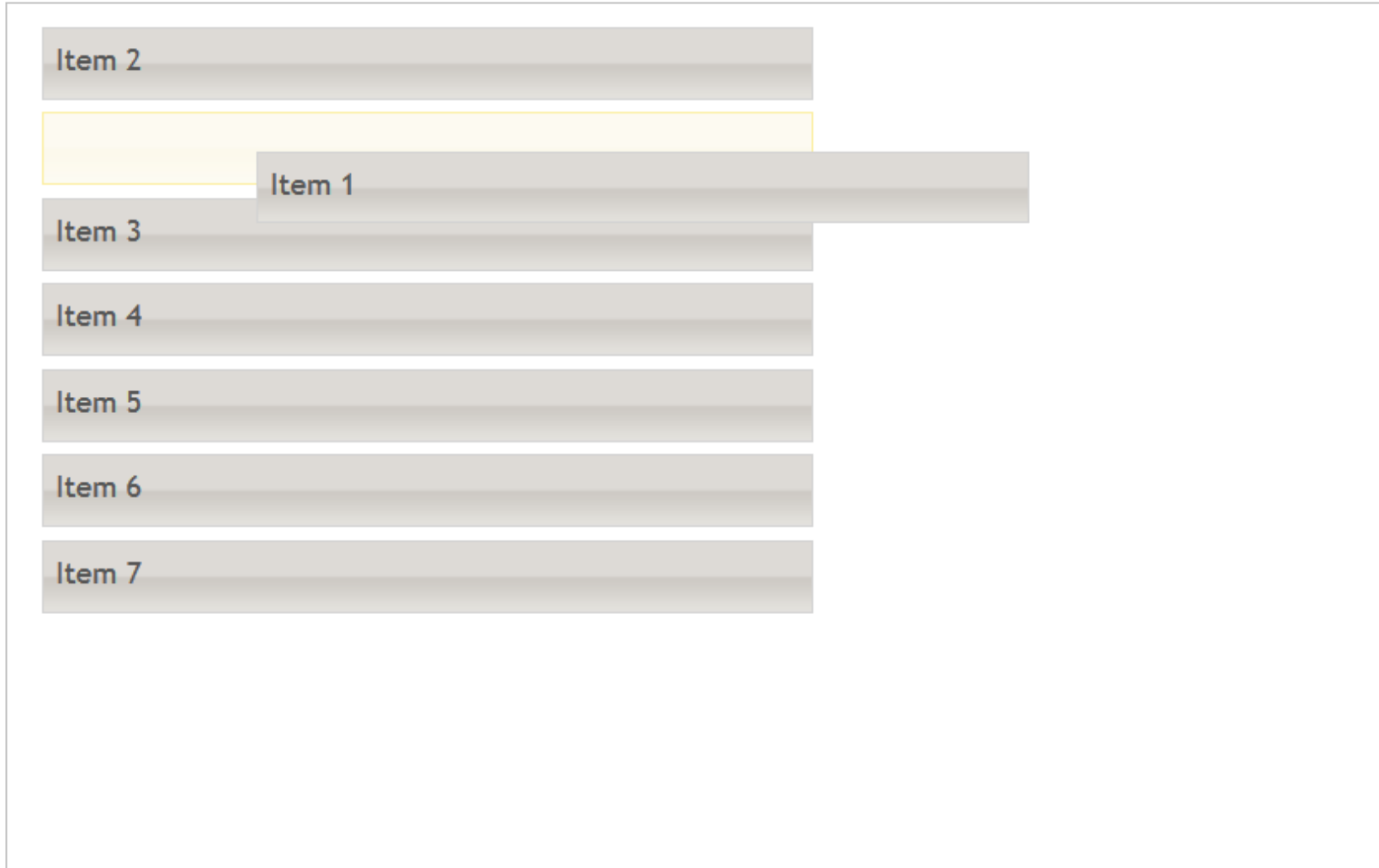
Sortable – Connect list

Sortable – Drop placeholder

Item 2

Item 1

Item 3

Item 4

Item 5

Item 6

Item 7

Sortable - Tab

Sortable-Include items

Specify which items are sortable:

Item 1

(I'm not sortable or a drop target)

(I'm not sortable or a drop target)
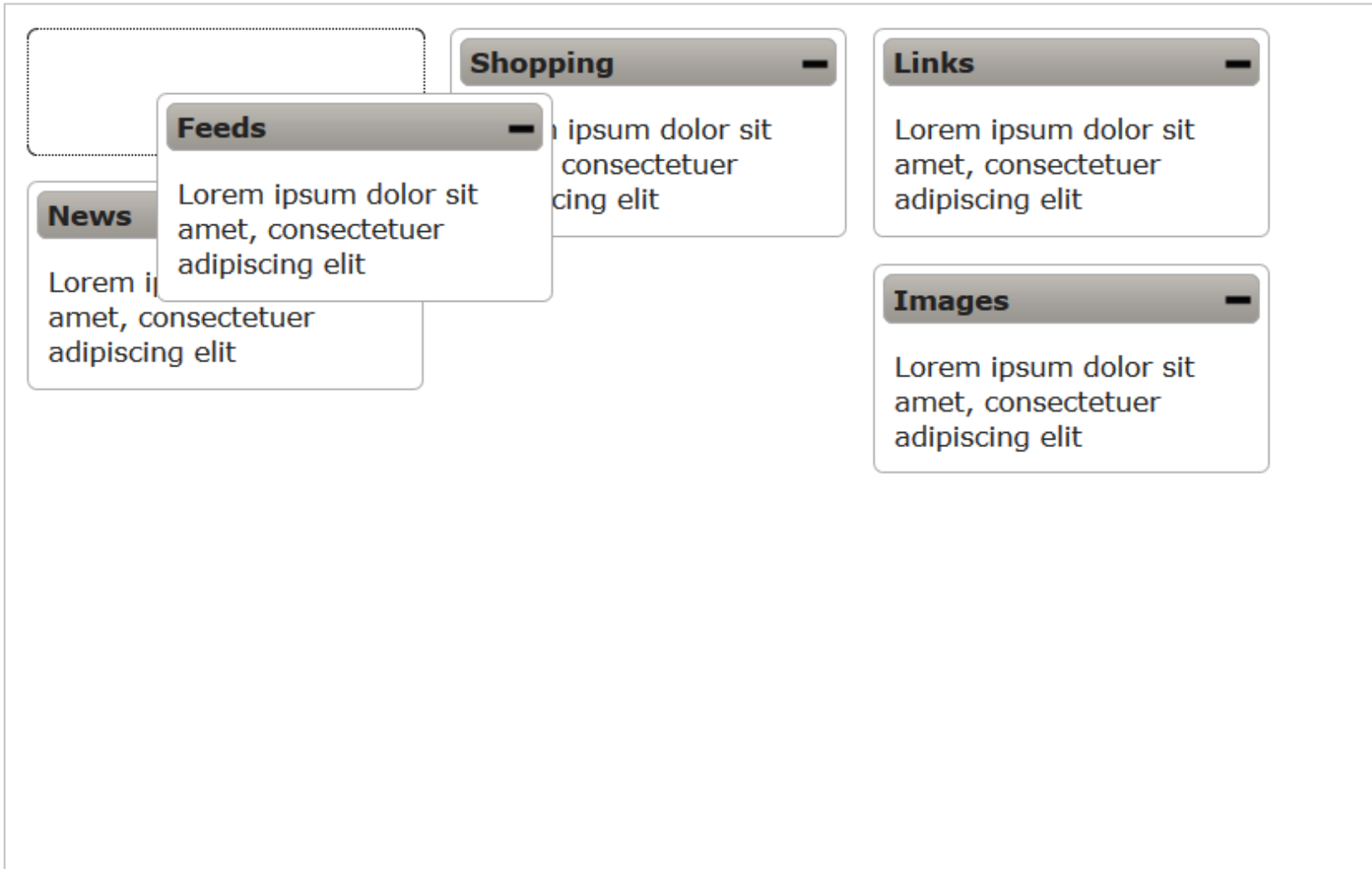
Item 4

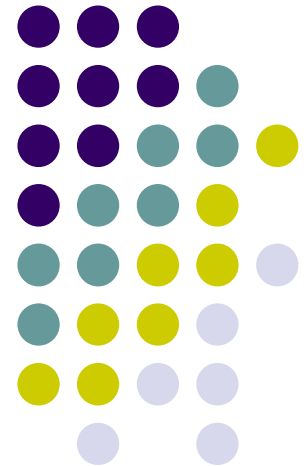**Cancel sorting (but keep as drop targets):**
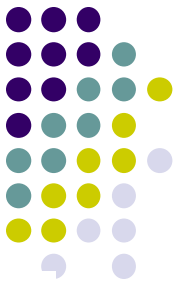
Item 1

(I'm not sortable)

(I'm not sortable)
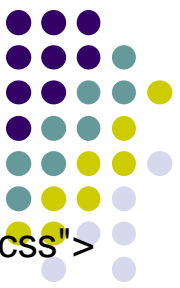
Item 4

Sortable-portlets

Widgets
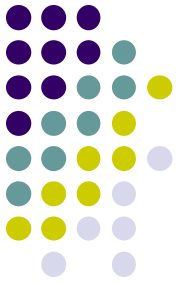
Accordion

▶ Section 1

▼ Section 2

Sed non urna. Donec et ante. Phasellus eu ligula. Vestibulum sit amet purus. Vivamus hendrerit, dolor at aliquet laoreet, mauris turpis porttitor velit, faucibus interdum tellus libero ac justo. Vivamus non quam. In suscipit faucibus urna.

▶ Section 3

▶ Section 4

```html
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>jQuery UI Accordion - Default functionality</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css">
    <script>
    $(function() {
            $( "#accordion" ).accordion();
    });
    </script>
</head>
<body>

<div id="accordion">
    <h3>Section 1</h3>
    <div>  <p> One </p>          </div>
    <h3>Section 2</h3>
    <div>  <p> Two </p>         </div>
    <h3>Section 3</h3>
    <div>  <p>Three</p></div>
    <h3>Section 4</h3>
    <div>  <p>Four</p></div>
</div>
</body>
</html>
```

Accordion - fill page

Resize the outer container:

▼ Section 1

Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam.
Integer ut neque. Vivamus nisi metus, molestie vel, gravida in,
condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam

▶ Section 2

▶ Section 3

▶ Section 4

Accordion - Sortable

Section 2

Sed non urna. Donec et ante. Phasellus eu ligula. Vestibulum sit amet purus. Vivamus hendrerit, dolor at aliquet laoreet, mauris turpis porttitor velit, faucibus interdum tellus libero ac justo. Vivamus non quam. In suscipit faucibus urna.

▶ Section 1
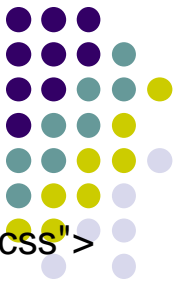
▶ Section 3

▶ Section 4

Autocomplete

Tags: [ac]

[ActionScript]

```html
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>jQuery UI Autocomplete - Default functionality</title>
    <link rel="stylesheet" href="//code.jquery.com/ui/1.10.4/themes/smoothness/jquery-ui.css">
    <script src="//code.jquery.com/jquery-1.9.1.js"></script>
    <script src="//code.jquery.com/ui/1.10.4/jquery-ui.js"></script>
    <link rel="stylesheet" href="/resources/demos/style.css">
    <script>
    $(function() {
            var availableTags = [
                        "ActionScript","AppleScript","Asp","BASIC","C","C++“,
                        "Clojure","COBOL","ColdFusion","Erlang","Fortran","Groovy",

            "Haskell","Java","JavaScript","Lisp","Perl","PHP","Python","Ruby","Scala",
                        "Scheme"
            ];
            $( "#tags" ).autocomplete({
                        source: availableTags
            });
    });
    </script>
</head>
<body>
<div class="ui-widget">
    <label for="tags">Tags: </label>
    <input id="tags">
</div>
</body></html>
```

Autocomplete - Categories

Search: **n**

anders

andreas

antal

Products

annhhx10

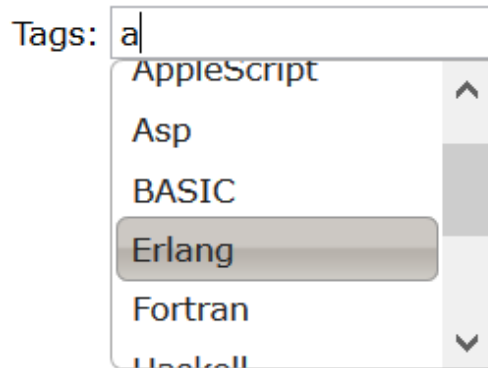annk K12

annttop C13

People

anders andersson

andreas andersson

andreas johnson

Autocomplete – Multiple values

Autocomplete - Scrollable

Autocomplete – Remote dataSource

….

Codigo…

….

```
    <script>
    $(function() {
            function log( message ) {
                    $( "<div>" ).text( message ).prependTo( "#log" );
                    $( "#log" ).scrollTop( 0 );}

            $( "#birds" ).autocomplete({
                    source: "search.php",
                    minLength: 2,
                    select: function( event, ui ) {
                            log( ui.item ?
                                    "Selected: " + ui.item.value + " aka " + ui.item.id :
                                    "Nothing selected, input was " + this.value );}});});
    </script>
</head> <body>

<div class="ui-widget">
    <label for="birds">Birds: </label>
    <input id="birds">
</div>

<div class="ui-widget" style="margin-top:2em; font-family:Arial">
    Result:
    <div id="log" style="height: 200px; width: 300px; overflow: auto;" class="ui-widget-
    content"></div>
</div> </body></html>
```
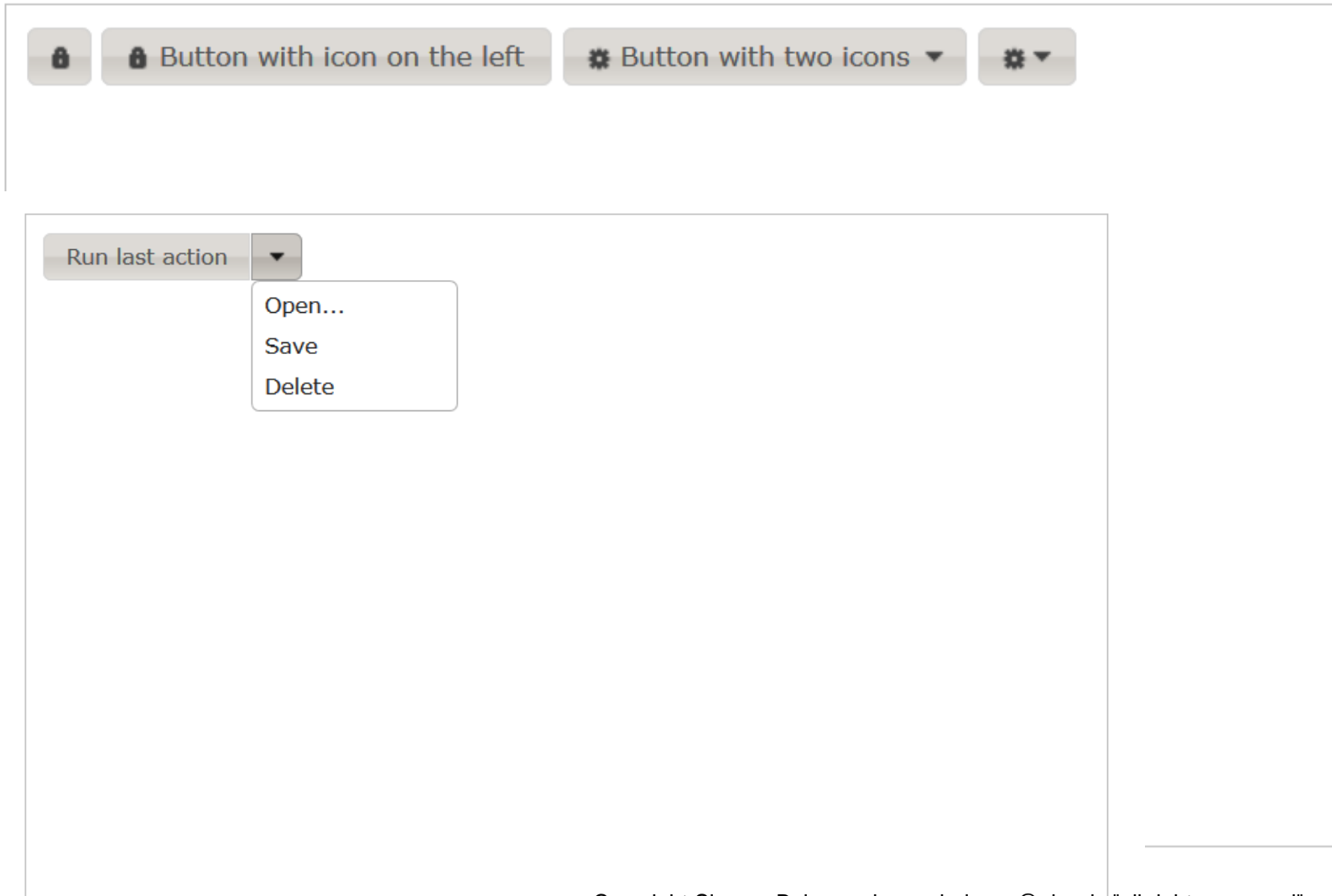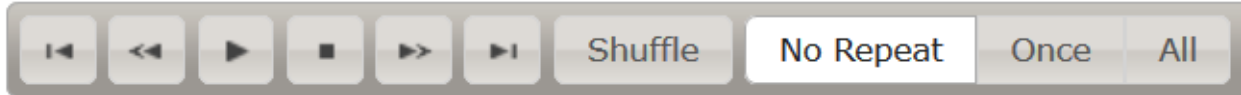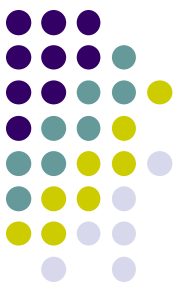
Button – con Iconos /radio

Button - toolbar

….Codigo….

```
$(function() {
        $( "#beginning" ).button({
                        text: false,
                        icons: {primary: "ui-icon-seek-start"}});
        ……
        .click(function() {
                        var options;
                        if ( $( this ).text() === "play" ) {
                                        options = {label: "pause",
                                                        icons: {primary: "ui-icon-pause"}};
                        } else {
                                        options = {label: "play",
                                                        icons: {primary: "ui-icon-play"}};}
                        $( this ).button( "option", options );
        });
        $( "#stop" ).button({    /CAMBIA STOP PARA PLAY
                        text: false,
                        icons: {
                                        primary: "ui-icon-stop"}})
        .click(function() {
                        $( "#play" ).button( "option", {
                                        label: "play",
                                        icons: {
                                                        primary: "ui-icon-play"}});});
        $( "#repeat" ).buttonset();
….
        });</script> </head><body>

<div id="toolbar" class="ui-widget-header ui-corner-all">
        <button id="beginning">go to beginning</button>
        <button id="rewind">rewind</button>
        <button id="play">play</button>
        <input type="checkbox" id="shuffle"><label for="shuffle">Shuffle</label>
        <span id="repeat">
                <input type="radio" id="repeat0" name="repeat" checked="checked"><label for="repeat0">No Repeat</label>
                <input type="radio" id="repeat1" name="repeat"><label for="repeat1">Once</label>
                <input type="radio" id="repeatall" name="repeat"><label for="repeatall">All</label>
        </span>
</div>
```

Datepicker

Datepicker - localization

Autopicker - datarange

Datapicker - datarange

Dialog

Sed vel diam id libero rutrum convallis. Donec aliquet leo vel magna. Phasellus rhoncus faucibus ante. Etiam bibendum, enim faucibus aliquet rhoncus, arcu felis ultricies neque, sit amet auctor elit eros a lectus.

Empty the recycle bin? ✖

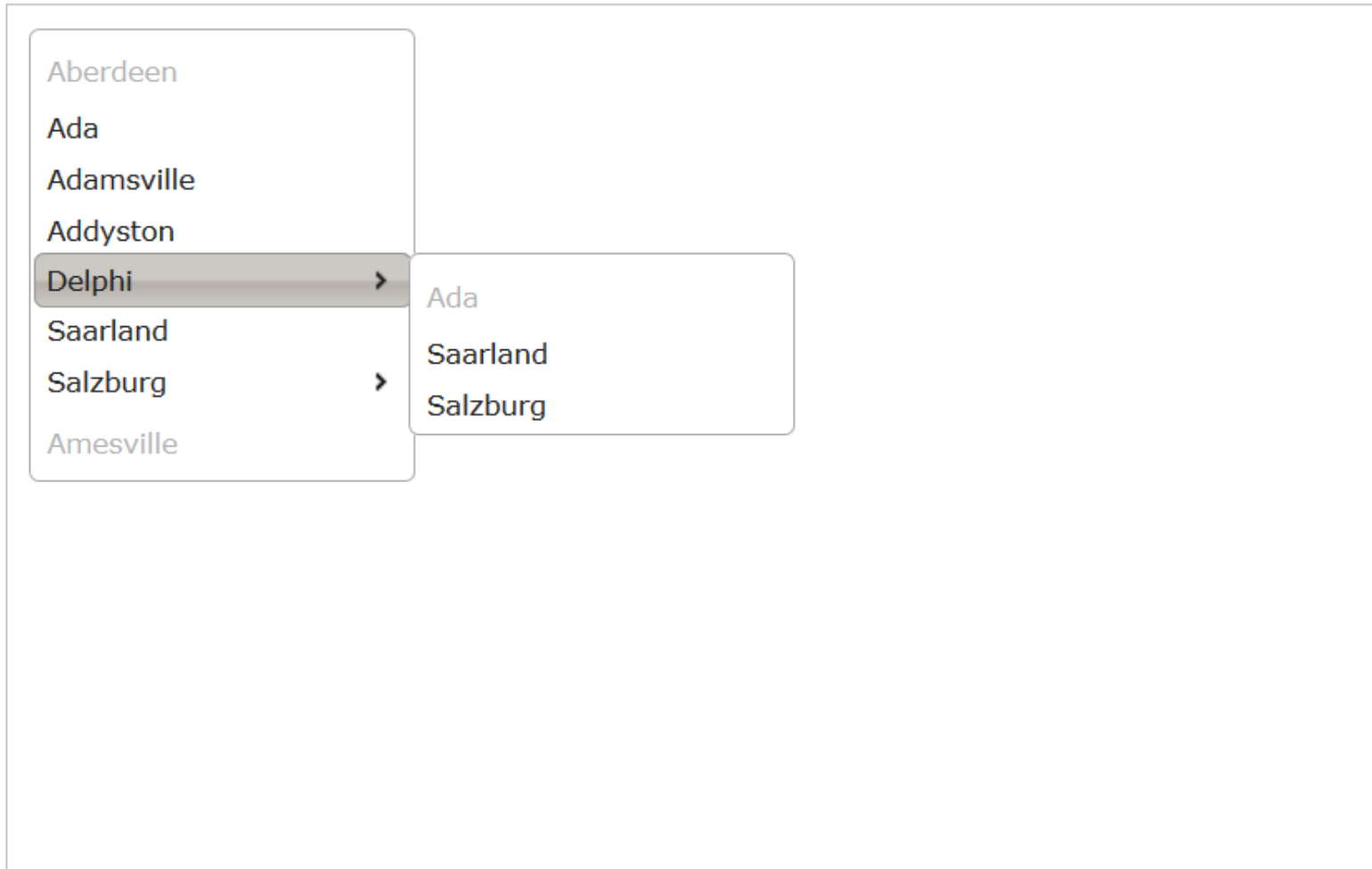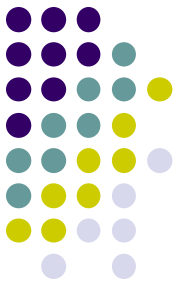⚠ These items will be permanently deleted and cannot be recovered. Are you sure?

Delete all items   Cancel

Dialog – modal form

Menu contextual (con mouse)

Progressbar

25%

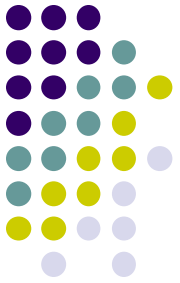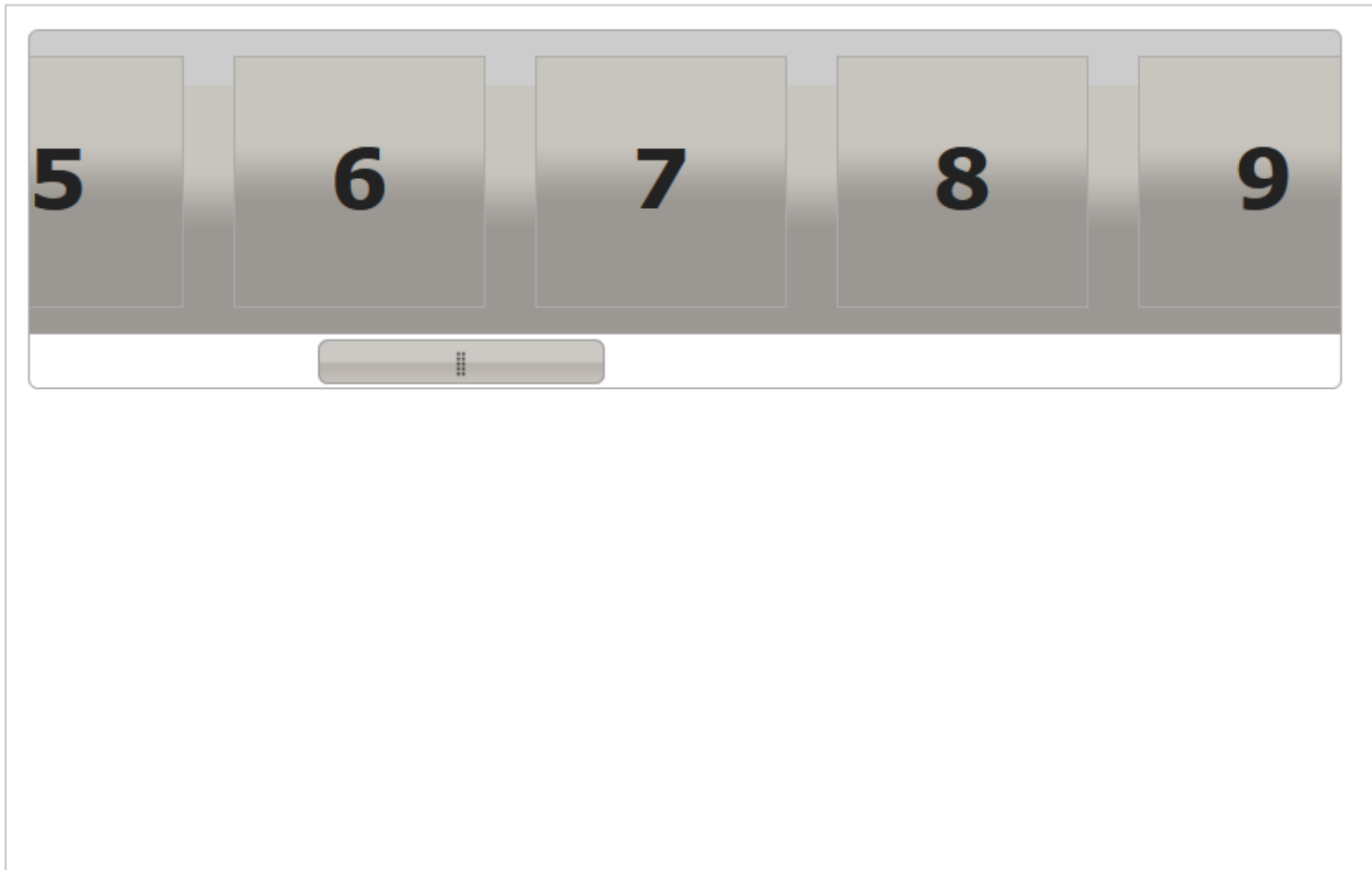# Sliders

Range slider

Price range: **$75 - $300**

Slider scrollbar
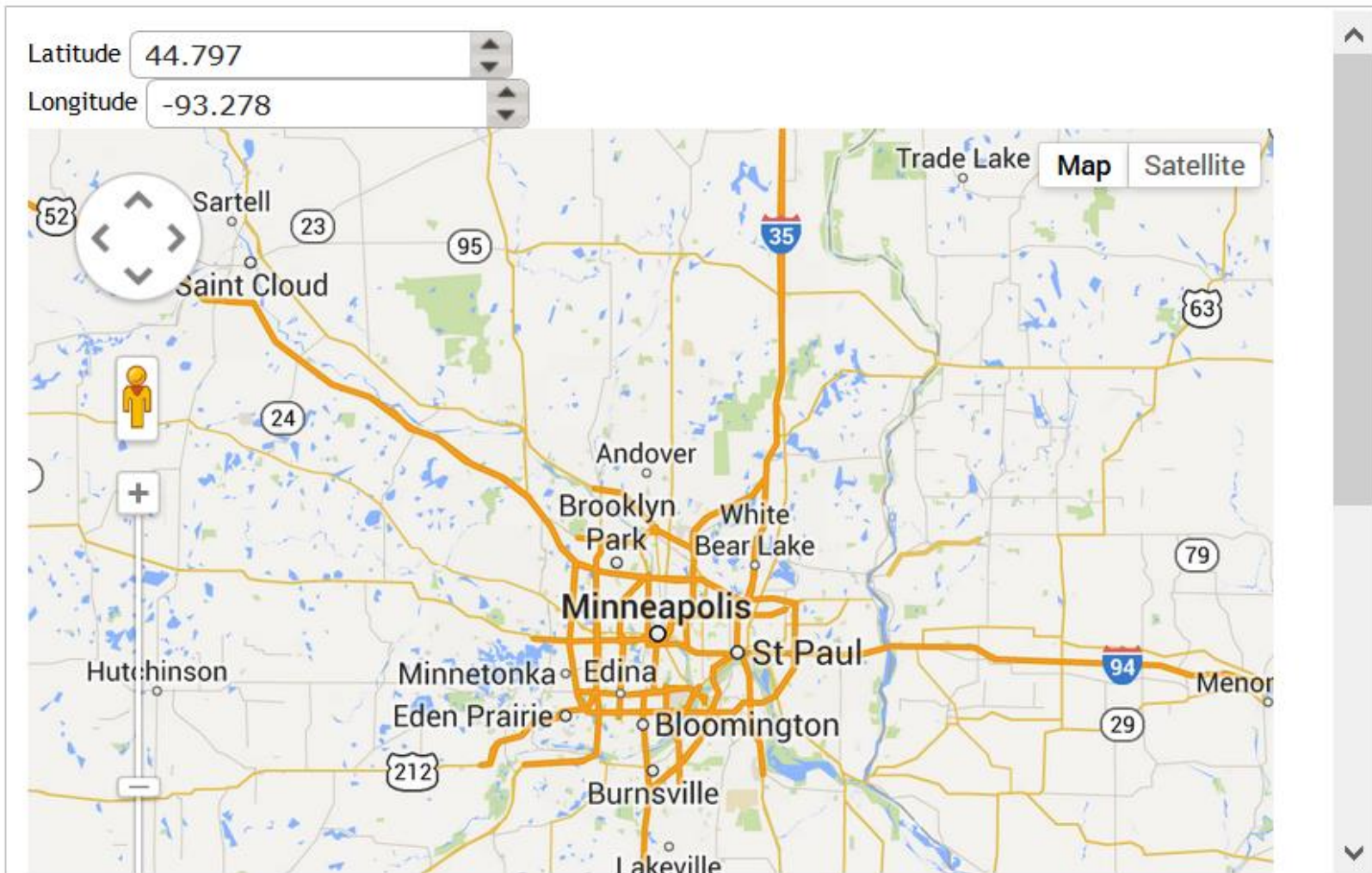
Spinner

Select a value: -8 ▲▼

Toggle disable/enable   Toggle widget

Get value   Set value to 5

Spinner - map

Tab

Nunc tincidunt | Proin dolor | **Aenean lacinia**

Click this tab again to close the content pane.

Duis cursus. Maecenas ligula eros, blandit nec, pharetra at, semper at, magna. Nullam ac lacus. Nulla facilisi. Praesent viverra justo vitae neque. Praesent blandit adipiscing velit. Suspendisse potenti. Donec mattis, pede vel pharetra blandit, magna ligula faucibus eros, id euismod lacus dolor eget odio. Nam scelerisque. Donec non libero sed nulla mattis commodo. Ut sagittis. Donec nisi lectus, feugiat porttitor, tempor ac, tempor vitae, pede. Aenean vehicula velit eu tellus interdum rutrum. Maecenas commodo. Pellentesque nec elit. Fusce in lacus. Vivamus a libero vitae lectus hendrerit hendrerit.

Tab manipulate

Tooltips

Tooltips can be attached to any element. When you hover the element with your mouse, the title attribute is displayed in a little box next to the element, just like a native tooltip.

But as it's not a native tooltip, it can be styled. Any themes built with ThemeRoller will also style tooltips accordingly.

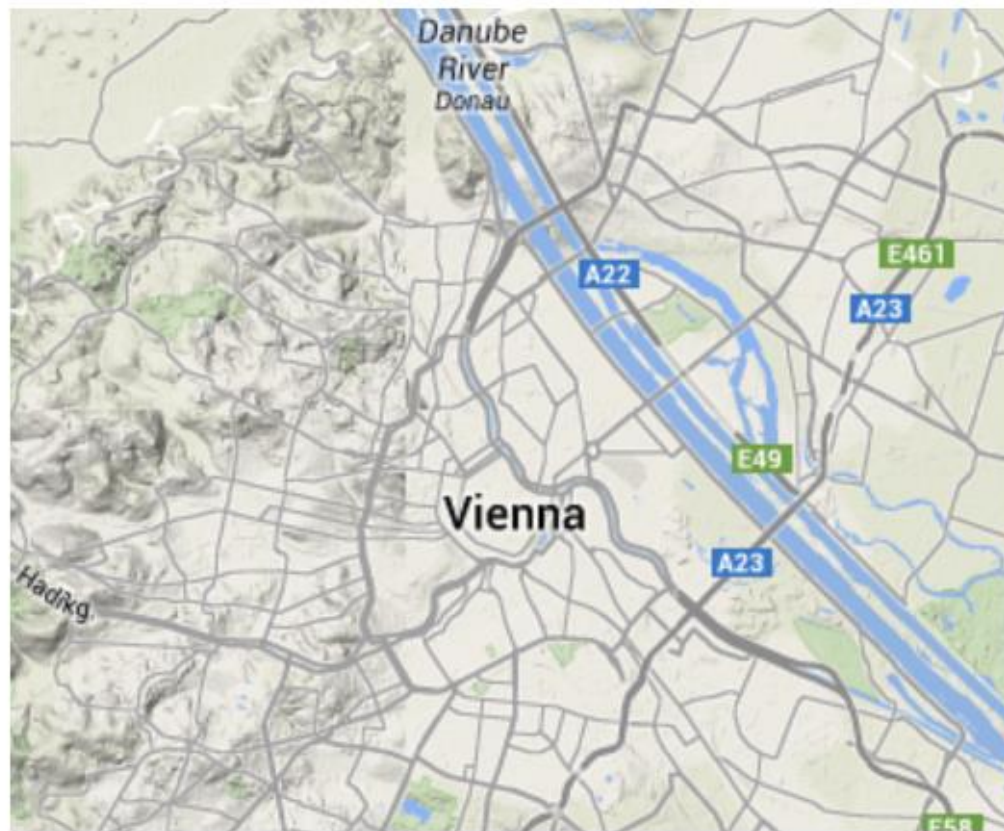Tooltips are also useful for form elements, to show some additional information in the context of each field.

Your age:

Hover the f̶i̶e̶l̶d̶ ̶s̶e̶e̶ ̶t̶h̶e̶ ̶t̶o̶o̶l̶t̶i̶p̶

We ask for your age only for statistical purposes.

Vienna, Austria

Effects

Effects

- Add Class
- Color Animation
- Effect
- Hide
- Remove Class
- Show
- Switch Class
- Toggle
- Toggle Class