

Scriptaculous

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Scriptaculous

- **Built on Prototype**
- **Targeted by Rails**
- **Effects**
- **Components**

Core Effects

```
Event.observe('scale', 'click', function() {
  new Effect.Scale('scale', 110);
});
Event.observe('highlight', 'click', function() {
  new Effect.Highlight('highlight', {startcolor: "#2222ff",
duration: 5});
});
Event.observe('opacity', 'click', function() {
  new Effect.Opacity('opacity', {to: Element.getOpacity
('opacity')*0.8});
});
Event.observe('move', 'click', function() {
  new Effect.Move('move', {x:100, duration: 100});
});
```

Combination Effects

- **Appear/Fade**
- **SlideDown/SlideUp**
- **BlindDown/BlindUp**
- **Effect.toggle(...)**
- **<http://wiki.script.aculo.us/scriptaculous/show/EffectsTreasureChest>**

Drag...

```
<li class="completed_todo" id='todo_12'>Climb Baldwin  
Auditorium</li>  
<script type="text/javascript">  
  //<![CDATA[  
  new Draggable("todo_12", {ghosting:true, revert:true})  
  //]]>
```

...and Drop

```
Droppables.add("pending_todos", {
  accept: 'completed_todo',
  hoverclass: 'hover',
  onDrop: function(element) {
    $('spinner').show();
    new Ajax.Request('/user/todo_pending/6', {
      asynchronous: true,
      evalScripts: true,
      onComplete: function(request) {
        $('spinner').hide();},
      parameters: 'todo=' + encodeURIComponent
(element.id.split('_').last())
    })
  }
})
)
```

Sortable

```
Sortable.create("pending_todo_list", {  
  onUpdate:function(){  
    new Ajax.Request(' /user/sort_pending_todos/45', {  
      asynchronous:true,  
      evalScripts:true,  
      parameters:Sortable.serialize("pending_todo_list")  
    })  
  }}  
)
```

Autocompleter

```
<input id="user_favorite_language" name="user[favorite_language]"
      size="30" type="text" value="Lisp" />
<div class="auto_complete"
      id="user_favorite_language_auto_complete"></div>
<script type="text/javascript">
//
var user_favorite_language_auto_completer =
new <u>Ajax.Autocompleter</u>('user_favorite_language',
                        'user_favorite_language_auto_complete',
                        '/user/autocomplete_favorite_language', {})
//]]&gt;
&lt;/script&gt;</pre></div><div data-bbox="601 910 683 979" data-label="Page-Footer"><img alt="relevance logo" data-bbox="602 911 684 980"/>The logo for Relevance Inc. features a stylized 'r' composed of three colored squares (green, orange, blue) stacked vertically, followed by the word 'relevance' in a lowercase, sans-serif font.</div><div data-bbox="789 968 913 985" data-label="Page-Footer"><p>Copyright 2007, Relevance Inc.</p></div>
```

Autocompleter (Rails)

```
<!-- form -->  
<%= auto_complete_field :user_favorite_language,  
  :url=>{:action=>'autocomplete_favorite_language'} %>
```

```
<!-- results partial -->  
<ul class="autocomplete_list">  
  <% @languages.each do |l| %>  
    <li class="autocomplete_item"><%= l %></li>  
  <% end %>  
</ul>
```

Autocomplete CSS

```
div.auto_complete {
  width: 350px;
  background: #fff;
}
div.auto_complete ul {
  border: 1px solid #888;
  margin: 0;
  padding: 0;
  width: 100%;
  list-style-type: none;
}
div.auto_complete ul li {
  margin: 0;
  padding: 3px;
}
div.auto_complete ul li.selected {
  background-color: #ffb;
}
div.auto_complete ul strong.highlight {
  color: #800;
  margin: 0;
  padding: 0;
}
```

In-Place Editor

```
<span class="in_place_editor_field"
      id="user_favorite_language_35_in_place_editor">Java</span>
<script type="text/javascript">
  //
  new Ajax.InPlaceEditor('user_favorite_language_35_in_place_editor',
                        '/user/set_user_favorite_language/35',
                        {loadTextURL: '/user/
get_user_favorite_language/35'})
  //]]&gt;
&lt;/script&gt;</pre></div><div data-bbox="601 909 683 980" data-label="Page-Footer"><img alt="relevance logo" data-bbox="602 910 684 980"/>The logo for Relevance Inc. features a stylized 'r' composed of three colored squares (green, orange, and blue) stacked vertically, followed by the word 'relevance' in a lowercase, sans-serif font.</div><div data-bbox="789 968 913 985" data-label="Page-Footer"><p>Copyright 2007, Relevance Inc.</p></div>
```

In-Place Editor (Rails)

```
<%= in_place_editor_field "user", column.name, {}, {  
  :load_text_url=>  
    url_for(:action=>"get_user_#{column.name}", :id=>@user)  
} %>
```

Builder

```
var table = Builder.node('table', {width: '75%'})
for (var row = 0; row<10; row++) {
  var tr = Builder.node('tr')
  for (var col = 0; col<10; col++) {
    var td = Builder.node('td', (row+1)*(col+1));
    tr.appendChild(td);
  }
  table.appendChild(tr);
}
$("container").appendChild(table);
```

Write Your Own Effects

```
Effect.BlindUpLeft = function(element) {
  element = $(element);
  element.makeClipping();
  return new Effect.Scale(element, 0,
    Object.extend({ scaleContent: false,
      scaleY: false,
      scaleMode: 'contents',
      restoreAfterFinish: false,
      afterFinishInternal: function(effect) {
        effect.element.hide().undoClipping();
      }
    }, arguments[1] || {}))
};
```

Combine Effects with Parallel

```
Effect.BlindUpRight = function(element) {  
  element = $(element);  
  var dims = element.getDimensions();  
  return new Effect.Parallel(  
    [ new Effect.BlindUpLeft(element),  
      new Effect.Move(element, {x: dims.width,  
                             mode: 'relative'})  
    ], arguments[1] || {});  
}
```

Slider HTML and CSS

```
<div id="h-track">
  <div id="h"></div>
</div>
<div id="v-track">
  <div id="v"></div>
</div>
<%= image_tag 'scriptaculous-logo.gif', :id => "logo", :style => "margin-left: 10px;" %>

<style type="text/css">
#h-track {
  width:950px;
  height:5px;
  margin-left: 15px;
  margin-bottom: 15px;
}
#h-track, #v-track {
  background-color:#aaa;
}
#h, #v {
  width:10px;
  height:10px;
  background-color:#f00;
  cursor:move;
}
#v-track {
  width:5px;
  height:110px;
  float:left;
}
</style>
```

Slider JavaScript

```
var logoWidth = $("logo").getWidth();
var logoHeight = $("logo").getHeight();

new Control.Slider('h', 'h-track', {
  onChange: function(v) {
    var style = "width: "+v*logoWidth+";"
    console.log(style);
    $("logo").setStyle(style);
  },
  sliderValue: 1
}).setValue(1);
new Control.Slider('v', 'v-track', {axis: 'vertical',
  onChange: function(v) {
    var style = "height: "+v*logoHeight+";"
    console.log(style);
    $("logo").setStyle(style);
  },
  sliderValue: 1
});
```

Usage Notes

- **Options passed in last argument**
- **Naming conventions keep thing simple**
- **Let Rails handle naming conventions**
- **Ajax not required (e.g. Autocompleter.Local)**



Thanks!

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