

# Writing jQuery Plugins

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# Get Setup

```
(function($) {  
    // Put your plugin here.  
})(jQuery);
```





# Extend jQuery

```
$.extend({  
    doImportantWork: function(){  
  
        console.log(  
            "I'm working hard!");  
  
    }  
});
```



# Use It

```
$.doImportantWork();
```



# Extend jQuery Selector

```
$.fn.extend({  
    rise: function(options) {  
    },  
    fall: function(options) {  
    }  
});
```





# Use It

```
$('#quote').rise();  
$('#quote').fall();
```

```
$('.callouts').rise();  
$('.callouts').fall();
```



# Get Ready for Selectors

```
(function($) {  
    $(document).ready(function(){  
  
        // We're ready to spice it up!  
  
    });  
})(jQuery);
```



# Click It

```
$(document).ready(function() {  
    var $rise = $('callout a.rise');  
    $rise.click(function(e) {  
        e.preventDefault();  
        $(this).parents('callout')  
            .rise();  
    });  
});
```





# Get Options

```
$( '.callout' ).rise({  
    elevation: 10  
});
```



# Handling Options

```
$.fn.extend({  
  rise: function(options) {  
    var defaults = {  
      elevation: 10,  
      speed:    0.4,  
  
      onComplete: null  
    };  
    var o = $.extend(defaults, options);  
  }  
});
```



# Plugging It In

```
return $(this).each(function(){  
    var $elem = $(this);  
  
    $elem.css({  
        backgroundColor: '#ffc'  
    });  
});
```





# Plugging It In

```
return $(this).each(function(){
    var $elem = $(this),
        scale = 1 + (o.elevation/100),
        blur   = o.elevation * 4,
        alpha  = (blur * 2) / 100;
    $elem.css({
        '-webkit-transform': 'scale(' + scale + ')',
        '-webkit-transition': 'all ' + o.speed + 's',
        '-webkit-box-shadow': '0px 0px ' + blur
                               + 'px rgba(0,0,0,' + alpha + ')'
    });

    if (o.onComplete) o.onComplete($elem);
});
```



# Turn It On (HTML)

```
<h1>I Like Hovercrafts</h1>
```

```
<div class="callout" id="important">  
  <p>You need to know about this!</p>  
</div>
```

```
<p>
```

Listen, you should definitely

```
<a href="#important" class="rise">  
  lift it up!</a>
```

```
</p>
```



# Turn It On (JavaScript)

```
$('#a.rise').click(function(e) {  
    e.preventDefault();  
    e.stopImmediatePropagation();  
  
    var callout =  
        $(this).attr('href');  
  
    $(callout).rise();  
});
```





# Customize It

```
$(callout).rise({  
  elevation: 10,  
  speed: 1  
});
```



# It's On. Do Stuff

```
onComplete: function ($elem) {  
    $elem.prepend(  
        $('<a></a>').hide().fadeIn().addClass('fall')  
        .click(function(){  
            $elem.fall({  
                onComplete: function($elem) {  
                    $elem.find('.fall').fadeOut().remove();  
                }  
            }); // END $elem.fall()  
        }) // END $('a.fall').click()  
    }); // END $elem.prepend()  
}
```





# Action Packed

See supporting source code...





# Questions?





Thanks!

