

## Extending objects with JQuery.extend

You have developed a plugin and need to provide default options allowing end users to overwrite them. The solution is simple 😊

```
(function($) {  
  $.fn.myPlugin = function(options) {  
    options = $.extend({  
      message: 'Hello world',  
      css: {  
        color: 'red'  
      }  
    }, options);  
    return this.each(function() {  
      $(this).css(options.css).html(options.message);  
    });  
  };  
})(jQuery);
```

In this recipe, we use the `$.extend()` method provided by jQuery. `$.extend()` will return a reference to the first object passed in with the latter objects overwriting any properties they define.

`$.extend()` also provides a facility for a deep (or recursive) copy. This is accomplished by passing in Boolean `true` as the first parameter.