

MapQuery

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About me

- Volker Mische (vmx), volker.mische@gmail.com, @vmische
- Open source developer (Erlang, JavaScript)
- Creator of GeoCouch
- Core developer of MapQuery

What is MapQuery?

- OpenLayers combined with jQuery
- Sibling of GeoExt



Why MapQuery?

- Native jQuery events
- Simpler API
- Experiment with API
- Direct access to OpenLayers still possible



Goals of MapQuery

- Make common things easy
- UI diversity
- Join the efforts of developers that try to combine OpenLayers with jQuery



MapQuery Example: Initialisation

```
1 var map = $('#map')
```

MapQuery Example: Initialisation

```
1 var map = $('#map').mapQuery({  
2  
3  
4  
5  
6  
7 });
```

MapQuery Example: Initialisation

```
1 var map = $('#map').mapQuery({
2   layers:[{type:'osm'}]
3
4
5
6
7 });
```


MapQuery Example: Initialisation

```
1 var map = $('#map').mapQuery({
2   layers:[{type:'osm'}]
3   center: {
4
5
6   }
7 });
```

MapQuery Example: Initialisation

```
1 var map = $('#map').mapQuery({
2   layers:[{type:'osm'}]
3   center: {
4     position: [12.25, 51.83],
5
6   }
7 });
```

MapQuery Example: Initialisation

```
1 var map = $('#map').mapQuery({
2   layers:[{type:'osm'}]
3   center: {
4     position: [12.25, 51.83],
5     zoom: 12
6   }
7 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');  
2 mq.bind(  
3  
4 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind('addlayer'
3
4 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind('addlayer', function(evt, layer) {
3
4 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind('addlayer', function(evt, layer) {
3   layer.opacity(0.5);
4 });
```


MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind(, function(evt, layer) {
3   layer.opacity(0.5);
4 });
5 mq.bind('featureselected'
6
7 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind(, function(evt, layer) {
3   layer.opacity(0.5);
4 });
5 mq.bind('featureselected', function(evt, layer,
6
7 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind(, function(evt, layer) {
3   layer.opacity(0.5);
4 });
5 mq.bind('featureselected', function(evt, layer,
6   feature) {
7 });
```

MapQuery Example: Events

```
1 var mq = map.data('mapQuery');
2 mq.bind(, function(evt, layer) {
3   layer.opacity(0.5);
4 });
5 mq.bind('featureselected', function(evt, layer,
6   feature) {
7   feature.remove();
8 });
```

MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');
```

MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');  
2 var layers = mq.layers();
```

MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');
2 var layers = mq.layers();
3 mq.layers(
```

MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');
2 var layers = mq.layers();
3 mq.layers({
4
5
6 });
```


MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');
2 var layers = mq.layers();
3 mq.layers({
4   type: 'GeoJSON',
5   url: 'data/amsterdam.json'
6 });
```

MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');
2 var layers = mq.layers();
3 mq.layers({
4   type: 'GeoJSON',
5   url: 'data/amsterdam.json'
6 });
7 // Same with features
```

MapQuery Example: Set/Get

```
1 var mq = map.data('mapQuery');
2 var layers = mq.layers();
3 mq.layers({
4   type: 'GeoJSON',
5   url: 'data/amsterdam.json'
6 });
7 // Same with features
8 layers.features();
```

MapQuery Example: Widgets

```
1 $(' .zoom' );
```

MapQuery Example: Widgets

```
1 $(' .zoom' ).mqZoomButtons();
```

MapQuery Example: Widgets

```
1 $(' .zoom' ).mqZoomButtons({map: map});
```

MapQuery Example: Widgets

```
1 $(' .zoom' ).mqZoomButtons({map: map});  
2 $('#featureinfo')
```

MapQuery Example: Widgets

```
1 $(' .zoom' ).mqZoomButtons({map: map});
2 $('#featureinfo' ).mqFeatureInfo({
3
4
5
6
7 });
```


MapQuery Example: Widgets

```
1 $('.zoom').mqZoomButtons({map: map});
2 $('#featureinfo').mqFeatureInfo({
3   map: $('#map'),
4
5
6
7 });
```

MapQuery Example: Widgets

```
1 $(' .zoom' ).mqZoomButtons({map: map});
2 $('#featureinfo' ).mqFeatureInfo({
3   map: $('#map' ),
4   contents:
5
6
7 });
```

MapQuery Example: Widgets

```
1 $( '.zoom' ).mqZoomButtons({map: map});
2 $( '#featureinfo' ).mqFeatureInfo({
3   map: $( '#map' ),
4   contents: function(feature) {
5
6   }
7 });
```

MapQuery Example: Widgets

```
1 $( '.zoom' ).mqZoomButtons({map: map});
2 $( '#featureinfo' ).mqFeatureInfo({
3   map: $( '#map' ),
4   contents: function(feature) {
5     return '<p>'+feature.properties.NAME+'</p>';
6   }
7 });
```

License

MIT

Thanks!

Get in touch with me

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- Github: <https://github.com/vmx/>
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- Twitter: @vmische