CREATING FMEDITOR A WILD STORY

GREGOR BEUSTER

- In-house FileMaker developer (for 7 years now)
- Certified in several version up to 16
- Flirting with front- and backend web development lately
- Former nutrition scientist \$\vec{s}\$, hard core vegan for 2 years \$\vec{s}\$, used to compete in mountain bike races... once \$\vec{s}\$



Gunung Agung (Bali)

Angels Landing

(Utah -USA)

North Coast Trail Nancouver Island

WHY CREATING A CODE EDITOR USING FILEMAKER?

- Because I wanted to see if it could be done
- Editing code w/o copy/ paste-ing code from
 FileMaker fields to external tools and back
- Maybe learning some html/css/javascript along the way

```
Description Color is everything
        JSON -
                                                                                                                    <div class='canvas-interactive-wrapper'>
                                                                                                                        <canvas id="canvas-
                                                                                                                    interactive"></canvas>
                                                                                                                        eidhe albann fain wann ar b
                      var json_data = `{}`
                                                                                            HTML_literal var html_data = '<div class='canvas-
                                                                                                                    interactive-wrapper*>
                                                                                                                        <canvas id="canvas-
Library IDa
                      977F0DDA-54B0-4BA4-84A1-868C68421784
                      8F9A5E25-AA70-4B41-8BBF-E5AB1DA68CFF
         index
                      <!DOCTYPE html>
                      <html>
                      <head>
                      <meta http-equiv="content-type" content="text/html; charset=UTF-8">
                      <script>
                      /*! jQuery v3.3.1 | (c) JS Foundation and other contributors | jquery.org/license */
                      !!unction(e,t){"use strict";"object"==typeof module&&"object"==typeof module.exports?module.exports=e.
                      document?((e,I0):function(e)(if(le.document)throw new Error(*)Query requires a window with a document*);
                     return 1(e)}:t(e))("undefined"!=typeof window?window:this,function(e,t)("use strict";var n=[],r=e.document,
i=Object.getPrototypeOf,o=n.slice,a=n.concat,s=n.push,u=n.indexOf,i={},c=i.toString,f=i.hasOwnProperty,p=f.
                      toString,d=p.cal(Object),h={},g=function e(t)(return*function*==typeof t&&*number*!=typeof t.nodeType},
                      y=function e(t){return null=t&&t===t.window},v={type:10,src:10,noMedule:10};function m(e,t,n){var i,o=(t=t)|r}
                     createElement("script") if(o.text=e,n)for(i in v)n[i]&&(o[i]=n[i]);t.head.appendChild(o).parentNode.removeChild
                     (o))function x(e)(return null==e?e+":"object"==typeof e|| function"==typeof e?i[c.call(e)]|"object":typeof e/var
                      b="3.3.1",w=function(e,t){return new w.fn.init(e,t)},T=/"[\s/uFEFF\xA0]+[[\s/uFEFF\xA0]+$/g;w.fn=w.prototype=
                      (jquery:"3.3.1",constructor.w.length:0,toArray:function()(return o.call(this)),get:function(e)(return null==e?o.call
                      (this):e<0?this[e+this.length]:this[e]],pushStack:function(e){var t=w.merge(this.constructor(),e);return t.
                      prevObject=this,t},esch:function(e){return w.each(this,e)},map:function(e){return this.pushStack(w.map(this,
                      function(t,n){return e.call(t,n,t)}))),slice:function(){return this.pushStack(o.apply(this,arguments))),first:function()
                      {return this.eq(0)}.last function(){return this.eq(-1)},eq:function(e){var t=this.length,n=+e+(e<0?t.0);return this.
                      pushStack(n>=0&&n<f?[this[n]]:[])},end:function(){return this.prevObject[[this.constructor()},push:s,sort:n.sort,
                      splice:n.splice}.w.extend=w.fn.extend=function()(var e.t.n.r.i.e.a=arguments(0)));s=1,u=arguments.length,i=!1;
                      for("boolean"==typeof a&&(|=a,a=arguments[s]||{,s++),"object"==typeof a||g(a)||(a={}),s===u&&(a=this,s-);
                      s<u;s++)1(null!=(e=arguments[s]))for(t in e)n=a[t],a!==(r=e[1])&&(l&&r&&(w.isPlainObjecl(r)])(i=Array.isArray.
                      (r)))?(i?(i=11,o=n&&Array.isArray.(n)?n:[]):o=n&&w.isPlainObject(n)?n:[],a[i]=w.extend(l,o,r)):void 0!==r&&(a[i]
                      =r));return a),w.extend({expando:"jQuery"+("3.3.1"+Math.random()).replace(AD/g,""),isReady:!0,error:function
                      (e)(throw new Error(e)),noop:function(){),isPlainObject:function(e)(var t,n;return!(le))*[object Object]*!==c.call
                      (e))åå(!(!=i(e)))]"function"==typeof(n=f.call(!,"constructor")ååt.constructor)ååp.call(n)===d)),isEmptyObject:
                      function(e)(var t;for(t in e)return!1;return!0),globalEval:function(e)(m(e)),each:function(e,t)(var n.r=0;if(C(e)){for
                      (n=e.lengthgr<n;r++)if(!1===t.call(e[r],r,e[r]))break)else for(r in e)if(!1===t.call(e[r],r,e[r]))break,return e},trim:</pre>
                      function(e)(return null==e?**:{e+**).replace{T,***)},makeArray:tunction(e,t){var n=t||[]:return null=e&&(C(Object
                      (e))?w.morge(n, "string"==typeof e?[e]:o):s.call(n,c)),n),inArray:function(e,t,n)(return null==t?-1:u.call(t,e,n)),
                      merge:function(e,t){for(var n=+t.length.r=0,i=e.length;r<n;r++)e[i++]=t[r];return e.length=i,e},grep.function(e,t,n)
                      {for(var r,i=]].o=0,a=e.length,s=ln;o<a;o++)(r=ft(e[c],o))!==s&&i.push[e[o]];return i},map:function(e,t,n){var r,i,
                      o=0.s=[]:if(C(c))for(r=c.length;o<r;o++)null=(i=t(c[o].c.n))&&s.push(i);clse for(o in c)null!=(i=t(c[o].c.n))&&s.
                      push(i);return a.apply([],s)},guid:1,support:h}),'function"==typeof Symbol&&(w.fn[Symbol.iterator]=n[Symbol.
                      iterator]),w.each("Boolean Number String Function Array Date RegExp Object Error Symbol".split(" "),function
                      (e,t)[]"[object "+t+"]"]=t.toLowerGase()});function C(e)[var t=!!e&&"length"in e&&e.length.n=x(e);returnig(e)&&i
                      g,y,v,m,x,b=*sizzie*+1*new Date,w=e.document,T=0,C=0,E=ae(),k=ae(),S=ae(),D=tunction(e,t)(return
                      e===t&&(f=10),0},N=[].hasOwnProperty,A=[],j=A.pop,g=A.push,L=A.push,H=A.slice,O=function(e.t)(for(var.
                      n=0,r=e.length;n<r;n++)if(e[n]===t)return n;return-1},P="checked[selected]async]autofocus[autoplay[controls]
                      defer[disabled]hidden[ismap[loop]multiple]open[readonly]required]scoped".M="[\x20\lthr\n\\f]",R="(?:\\\\.[\\w-]]
                      [w_{12}-y_{23}a_{12}]+a^{1}=v_{11}+W+aA_{12}+W+aA_{12}(5), +W+aA_{12}(5), +W+A_{12}(5), +W+A_{12}
```

THE START

- Project was inspired by jsfiddle.net
- I found out that the framework behind many code editors (like jsfiddle) is <u>codemirror.net</u>
- I walked through the documentation of codemirror and tried using it within a webviewer

D Run 🗘 Save	$>_9^n$ Fork \equiv Tidy \square Collaborate \leftrightarrow Embed Update New and updated JS
or 🛛	HTML T
	<pre>1 <script src="https://unpkg.com/vue"></script></pre>
	2 3 = «div id="blog-post-demo" class="demo">
Chris Fritz	<pre>4 <blog-post 5="" <="" pre="" v-for="post in posts"></blog-post></pre>
Lansing, MI	<pre>6 v-bind:key="post.id" 7 v-bind:title="post.title"</pre>
meta	8 > 9
IFCES URL odnja	
: requests	
(links, license)	
	sunt aut facere repellat provident occaecati excepturi optio reprehendo
	qui est esse
	ea molestias quasi exercitationem repellat qui ipsa sit aut
	eum et est occaecati
	nesciunt quas odio
	dolorem eum magni eos aperiam quia
	magnam facilis autem
	dolorem dolore est ipsam

Autho

Fiddle

Resou

Async

Other

FRAMEWORKS USED

- <u>split.js.org</u> for resizable code "windows"
- jquery.com for "stuff"
- <u>codemirror.net</u> for basic editing capabilities
- 40+ add-ons for hinting, linting, searching, ...
- <u>fontawesome.com</u> for nice icons \bigstar

FMEDITOR BETA DEMO

mEditor Re-Load G				🕀 New Page 🛛 Page Gallery 🕒 Files 💿 Seve
Page meta	JSON Data (stored in var "rawData") -	нти,	Jewasoripi	C68
Think.		<pre>1 <svg <br="" class="svg" width="540">height="565.71424" viewBox="0 0 580 800"></svg></pre>	<pre>1 var timeline = anime.timeline;{ autoplay: 1 body { true, direction: 'alternate', loop: true 2 background-color: #E826DA;</pre>	2 background-color: #B926DA;
Modem rairo animation		width:80;stroke-Linecap:round;stroke-4if (el.modeName 'path') (6linejoin:miter;stroke-5el.style.dashArray -7miterlimit:4;stroke-opacity:1*anime.setDashoffset(ol);8	3 } 4 5 .avg (6 display: block;	
Resources 🕂			7 margin: 0 auto; 8 margin-top: -20px;	
		54.75863,60.10532"/> 0]:	9) 10 .bland (11 mix-bland-mode: multiply;	
JS anime.min ja		<pre>5</pre>	<pre>7 } 8 9 return 0; 10 } 11 12 var animations = [13 { name: '.tl', x: 195.47816, y: 152.84847, stroke: '#d5d20' }, 14 { name: '.t2', x: 284.09133, y: 152.65768, stroke: '#d59444' }, 15 { name: '.h1', x: 387.71374, y; 152.65768, stroke: '#1591ac' }, 16 { name: '.h2', x: 383.47816, y: 210.44844, stroke: '#1691ac' }, 17 { name: '.h3', x: 510.41574, y; 192.65768, stroke: '#1691ac' }, 18 { name: '.h4', x: 507, y: 152.36218, fill: '#df671b' }, 19 { name: '.il', x: 182.47816, y; 348.64847, stroke: '#d5d20' }, 21 { name: '.il', x: 258.09133, y; 348.56614, stroke: '#1691ac' }, 22 { name: '.il', x: 287.71374, y; 348.36614, stroke: '#1691ac' }, 23 { name: '.nl', x: 387.71374, y; 348.36614, stroke: '#da3931' }, </pre>	



EXCEPTED?

CHALLENGE

