



We share 'cos we can !

Getting up to speed with JS

Integrating with FileMaker 19 & Carafe.FM & myMateJSON

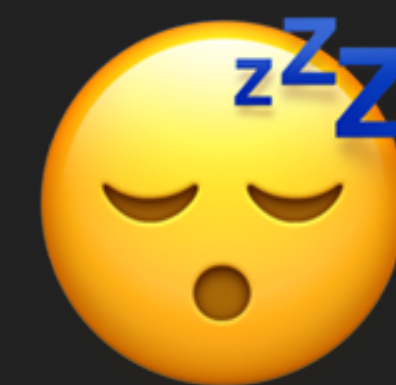
dotFMP, Berlin 2020
mrwatson-gbs

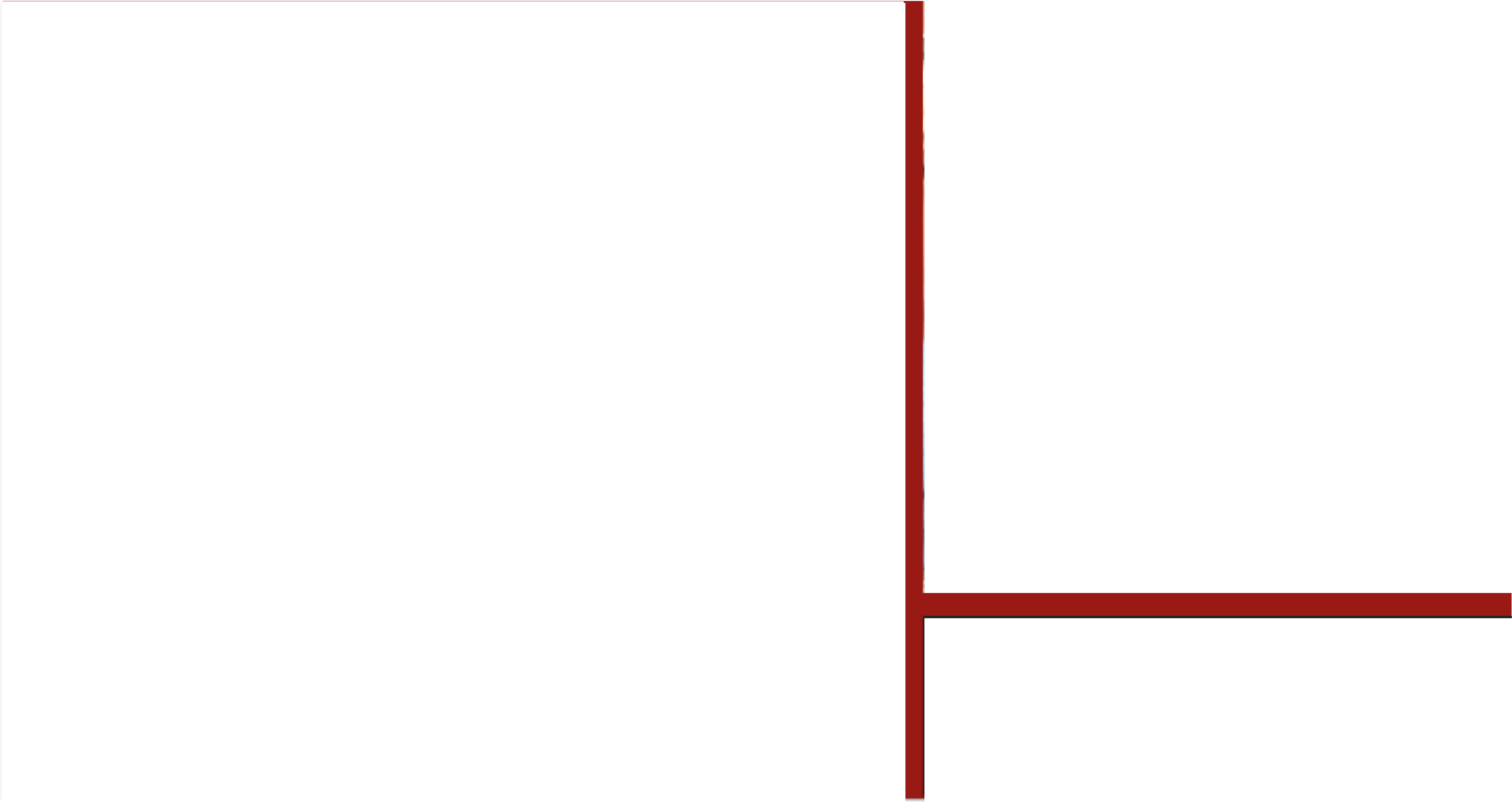
gunther 

gunther 



gunther 





Getting up to speed with JS

FileMaker 19 Web-Integrations with Carafe.FM, JSON & myMateJSON

What are good milestones on the road to becoming a JavaScript master and how much time would it take?

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- First Milestone - Recognise the need to know
- Second Milestone - Understanding the basics.
- Third milestone - Production code.
- Fourth milestone - Teaching.
- Fifth milestone - Time.

WARNING



WARNING

This is NOT a MASTER-CLASS



WARNING

This is NOT a MASTER-CLASS
It is at most a MISTER-CLASS

Getting up to speed with JS

FileMaker 19 Web-Integrations with Carafe.FM, JSON & myMateJSON

Part I

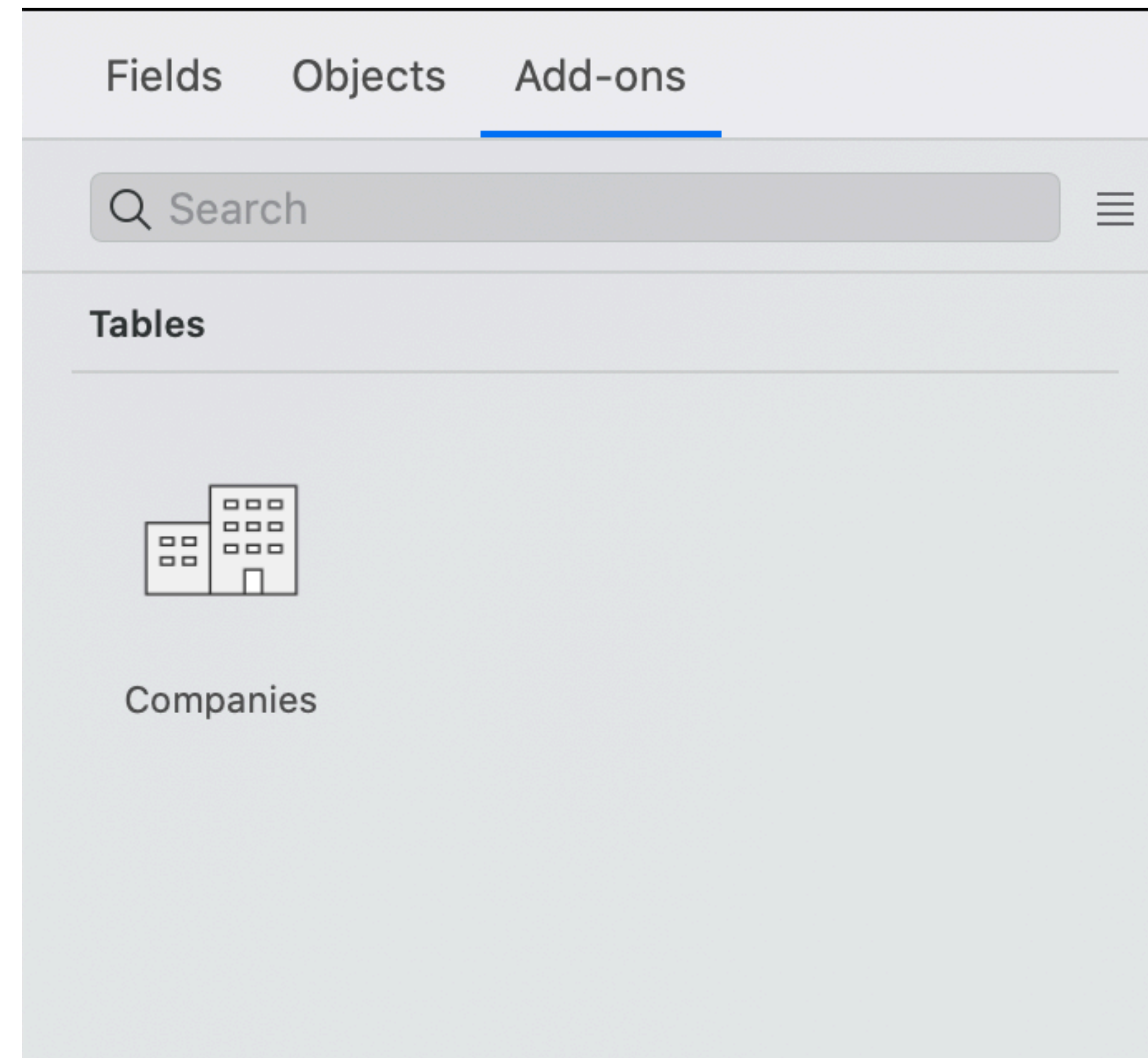
FileMaker 19 Web-Integrations with Carafe.FM, JSON & myMateJSON

Getting up to speed with JS

FM19 Web-Integration Technologies

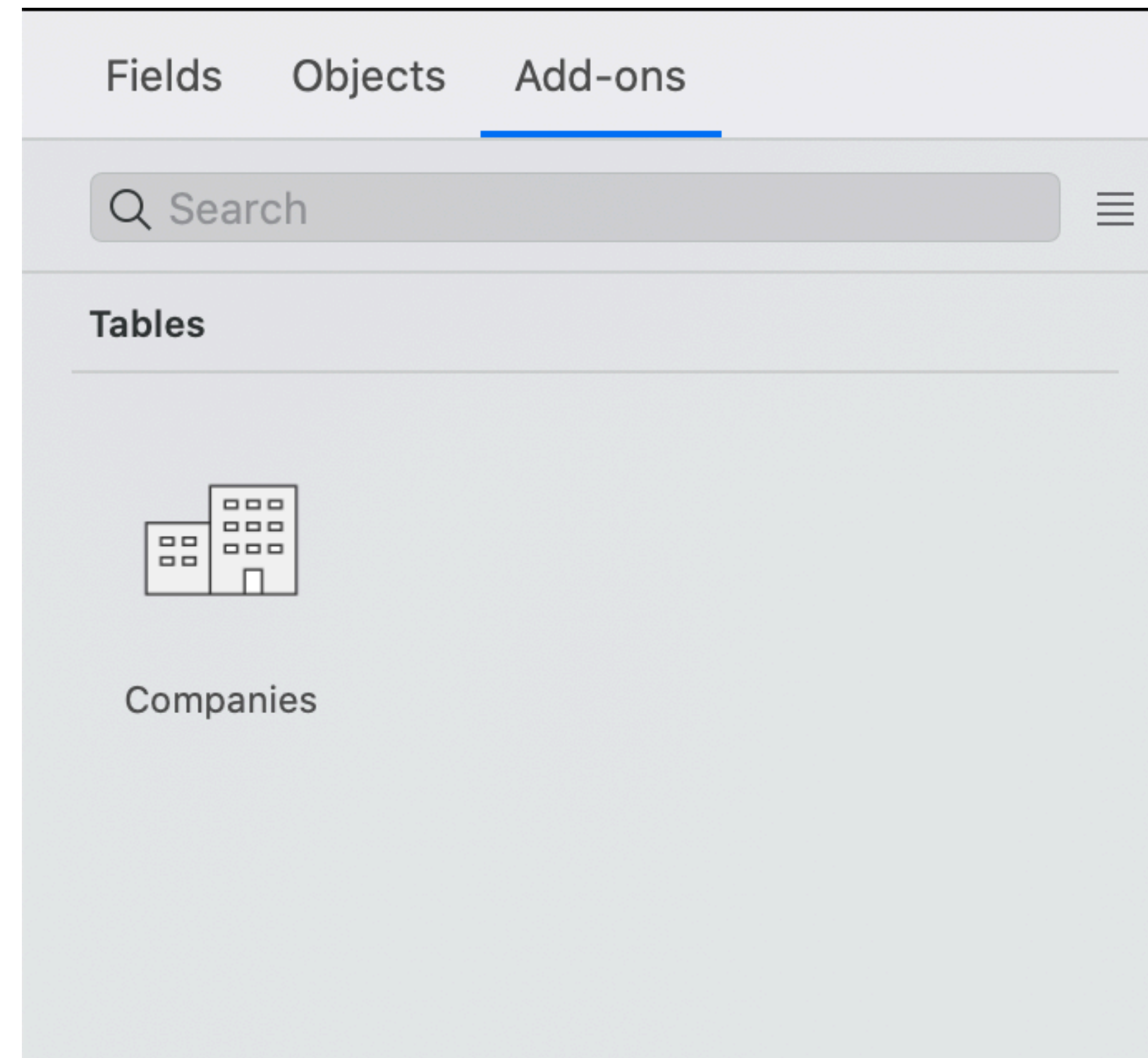
AddOns

Add0ns



AddOns

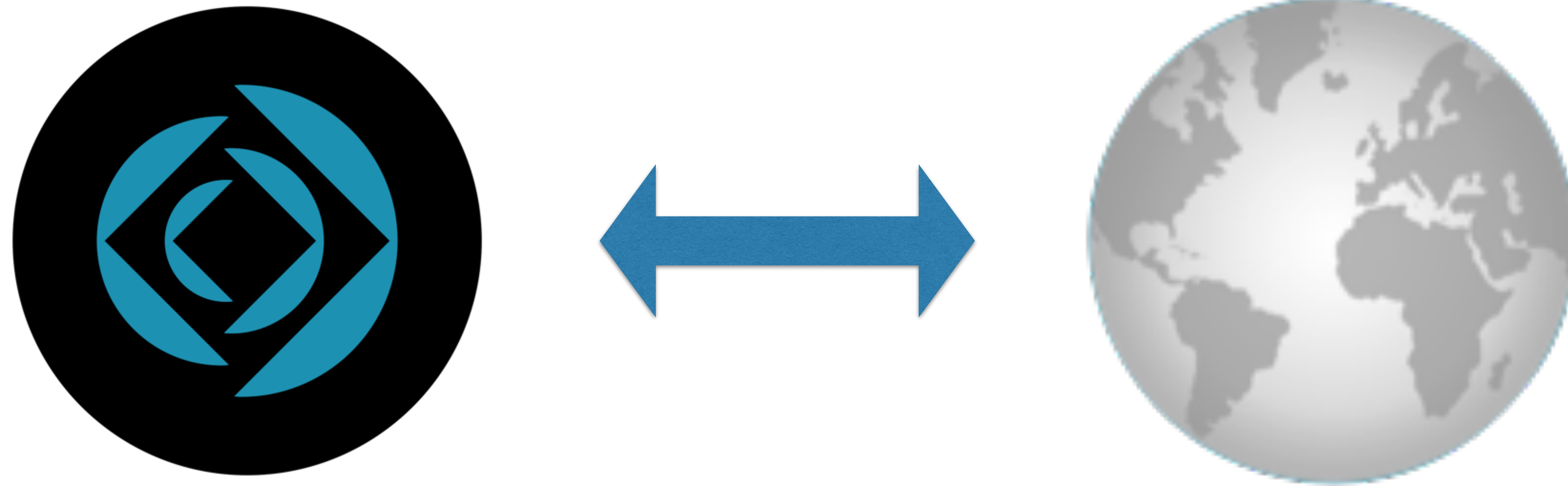
- One Click Wonders !
- Great things coming very soon
- But not today...



WebView Integrator



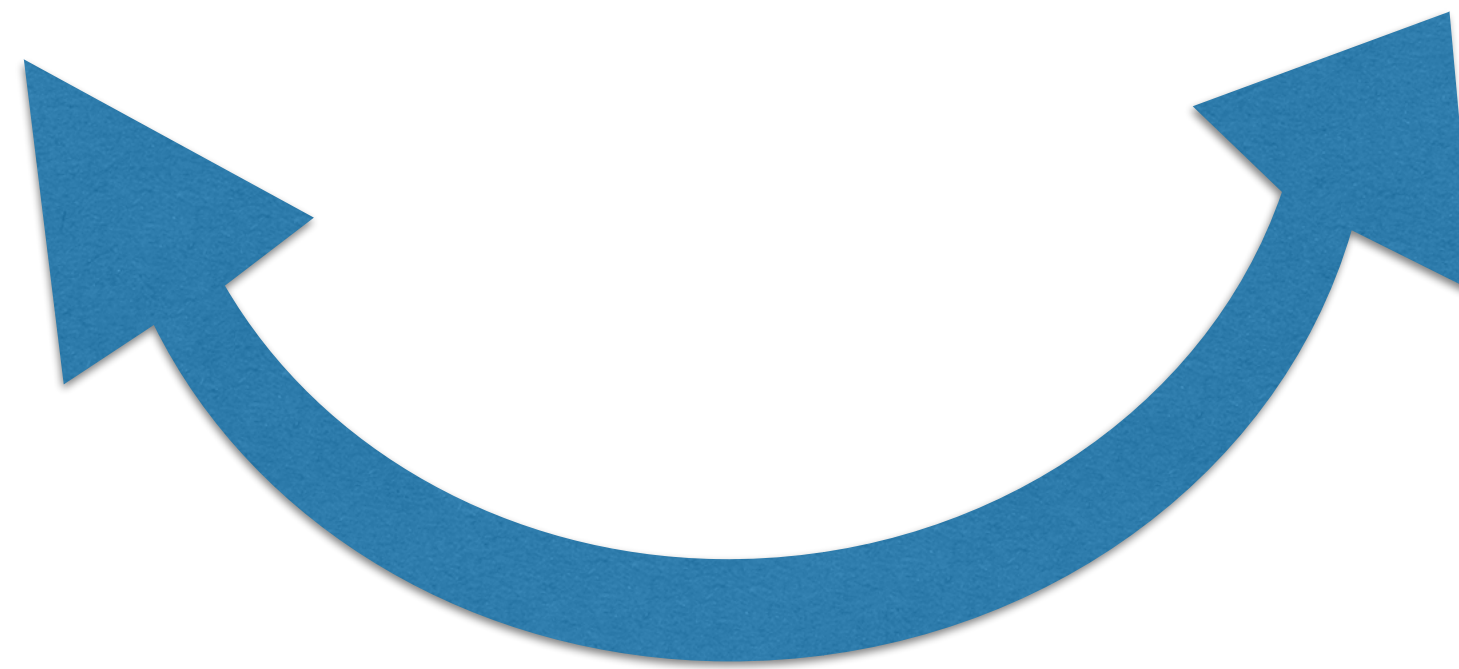
WebView Integrator



WebView Integrator



WebView Integrator





WebView Integrator

WebView Integrator

- FileMaker Script Step

Perform JavaScript in Web Viewer

WebView Integraton

- FileMaker Script Step

Perform JavaScript in Web Viewer

- JavaScript function

FileMaker.PerformScript

WebView Integrator

- FileMaker Script Step

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FileMaker.PerformScript



WebView Demo

WHY get up to speed with JS?

FileMaker 18



FileMaker 18

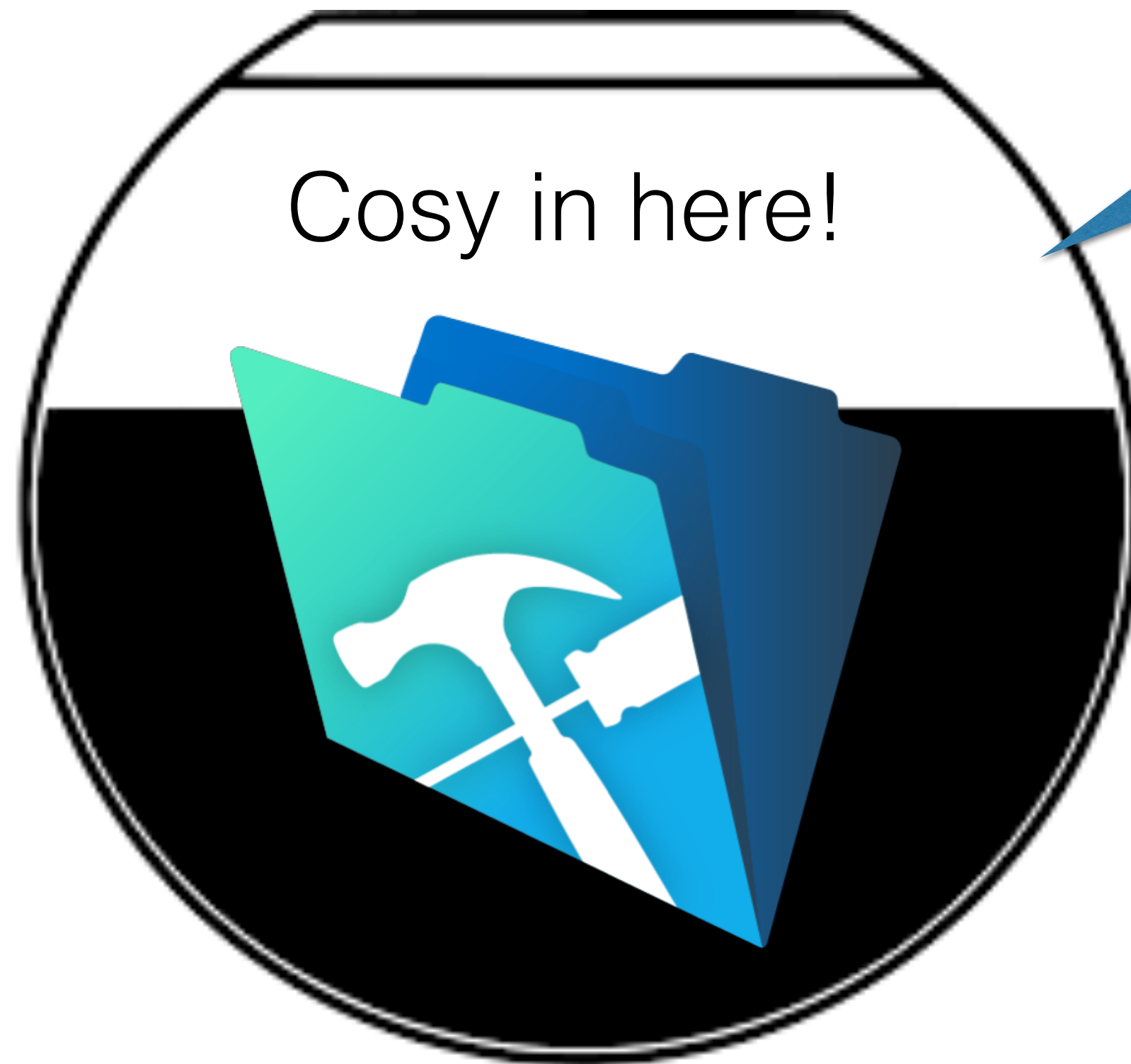


FileMaker 18



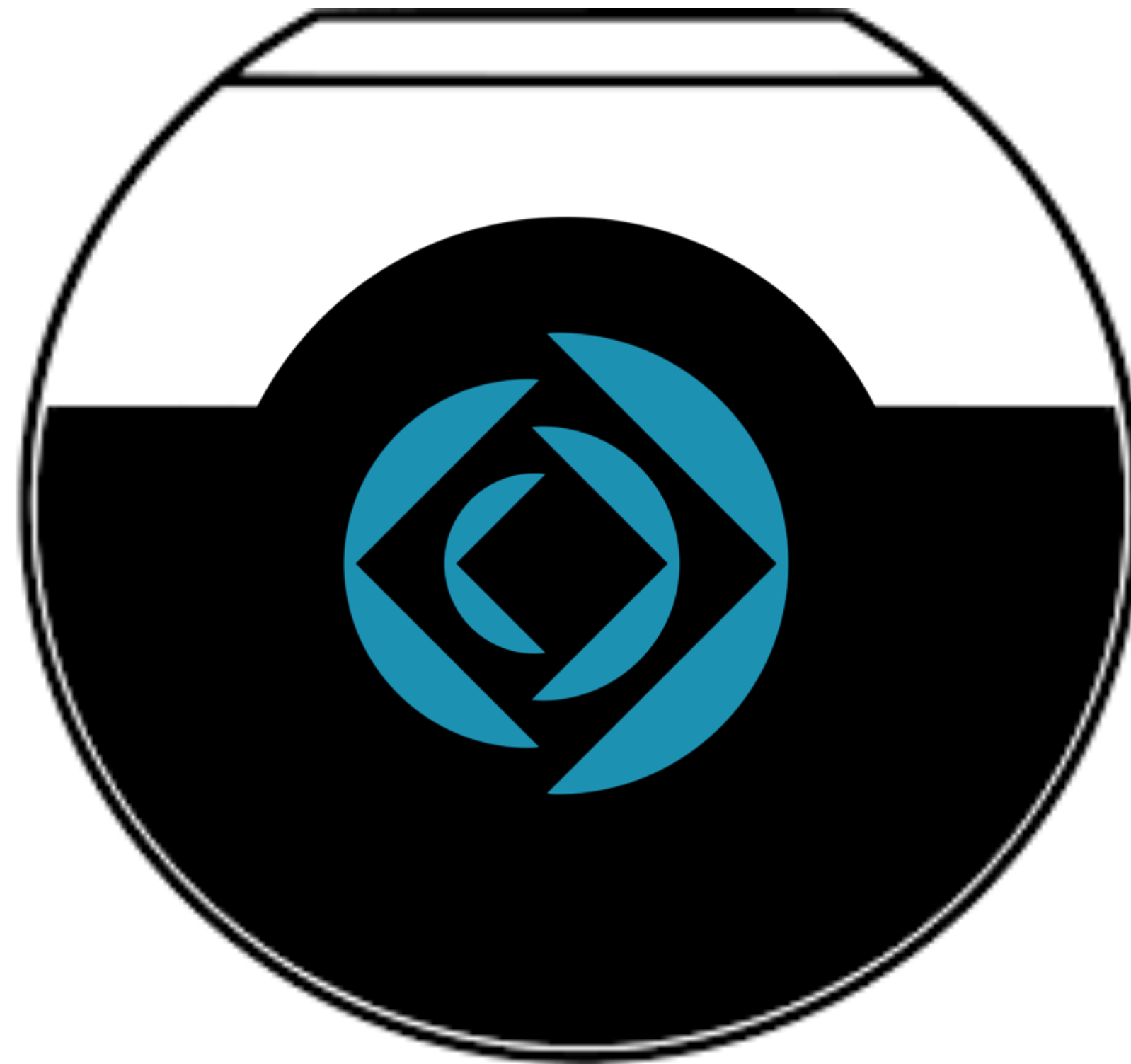
The FileMaker fishbowl

FileMaker 18



The FileMaker fishbowl

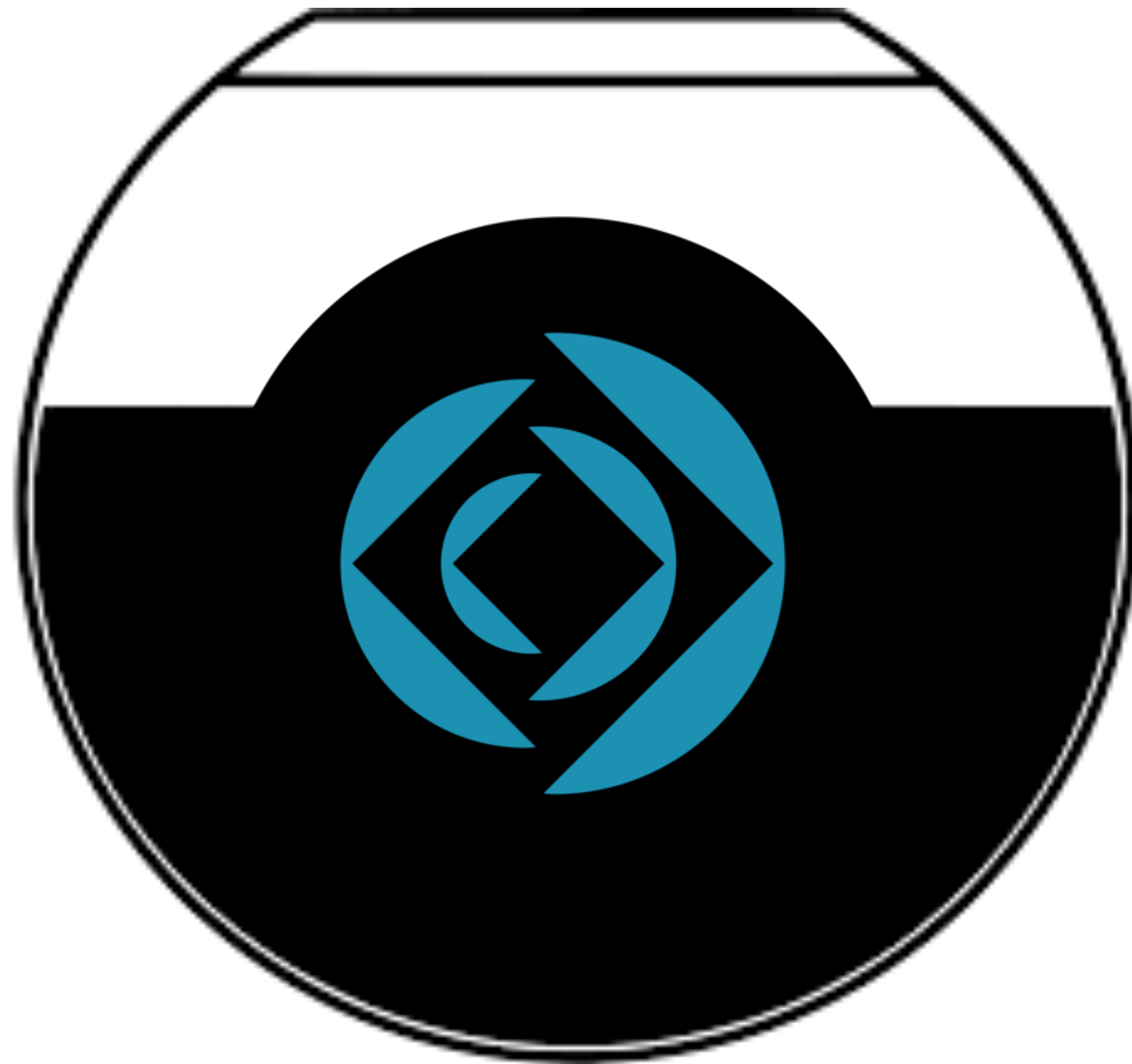
FileMaker 19





FileMaker 19

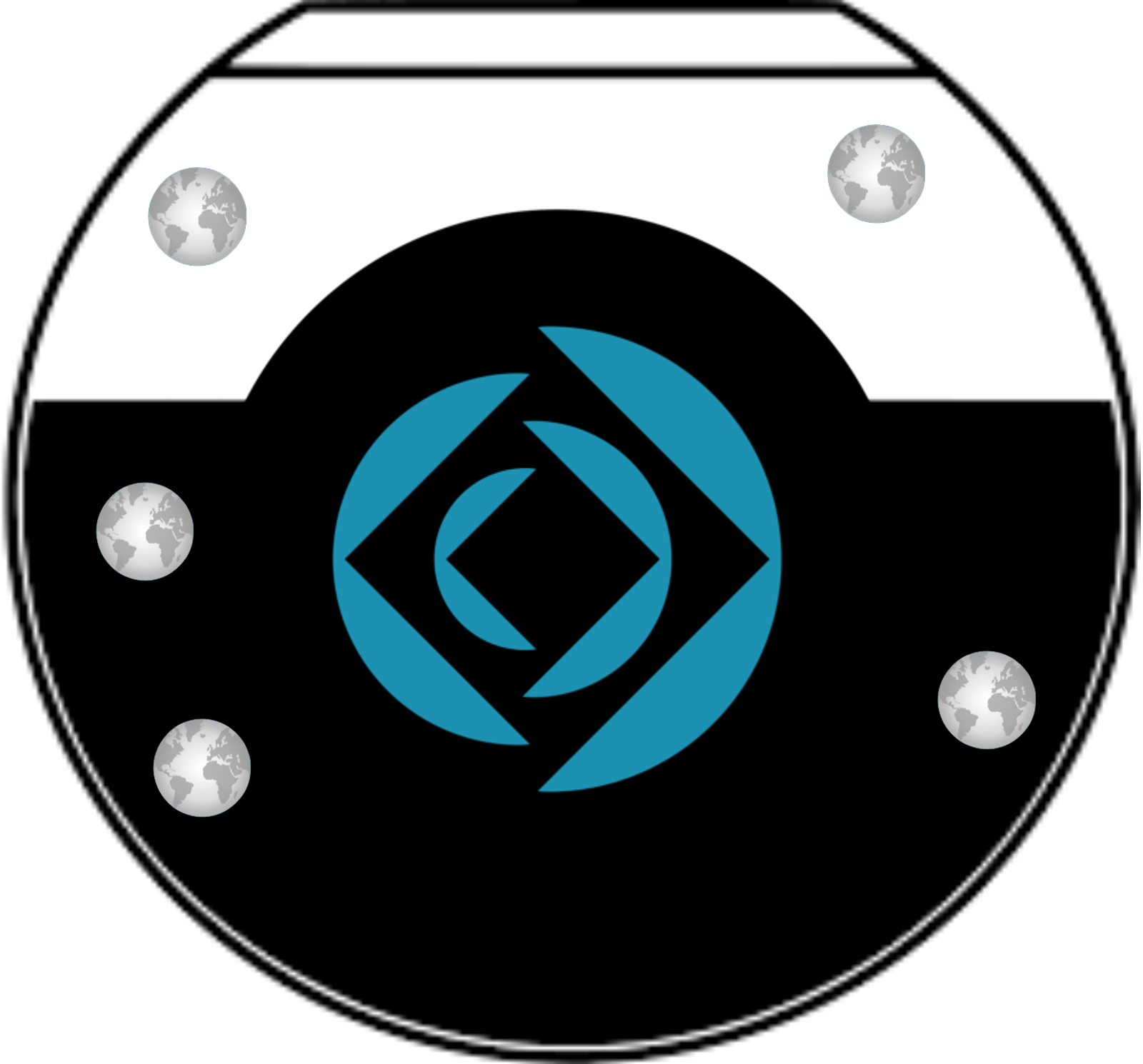
open
platform





FileMaker 19

open
platform





Rest

codewars

object-oriented programming

functional programming

filter

reduce

short circuit boolean operators

===

tableau

vizhub

setTimeout

data:text/html,

HTML5

moment

ECMAScript

CommonJS

Mike Bostock

observablehq

Sankey

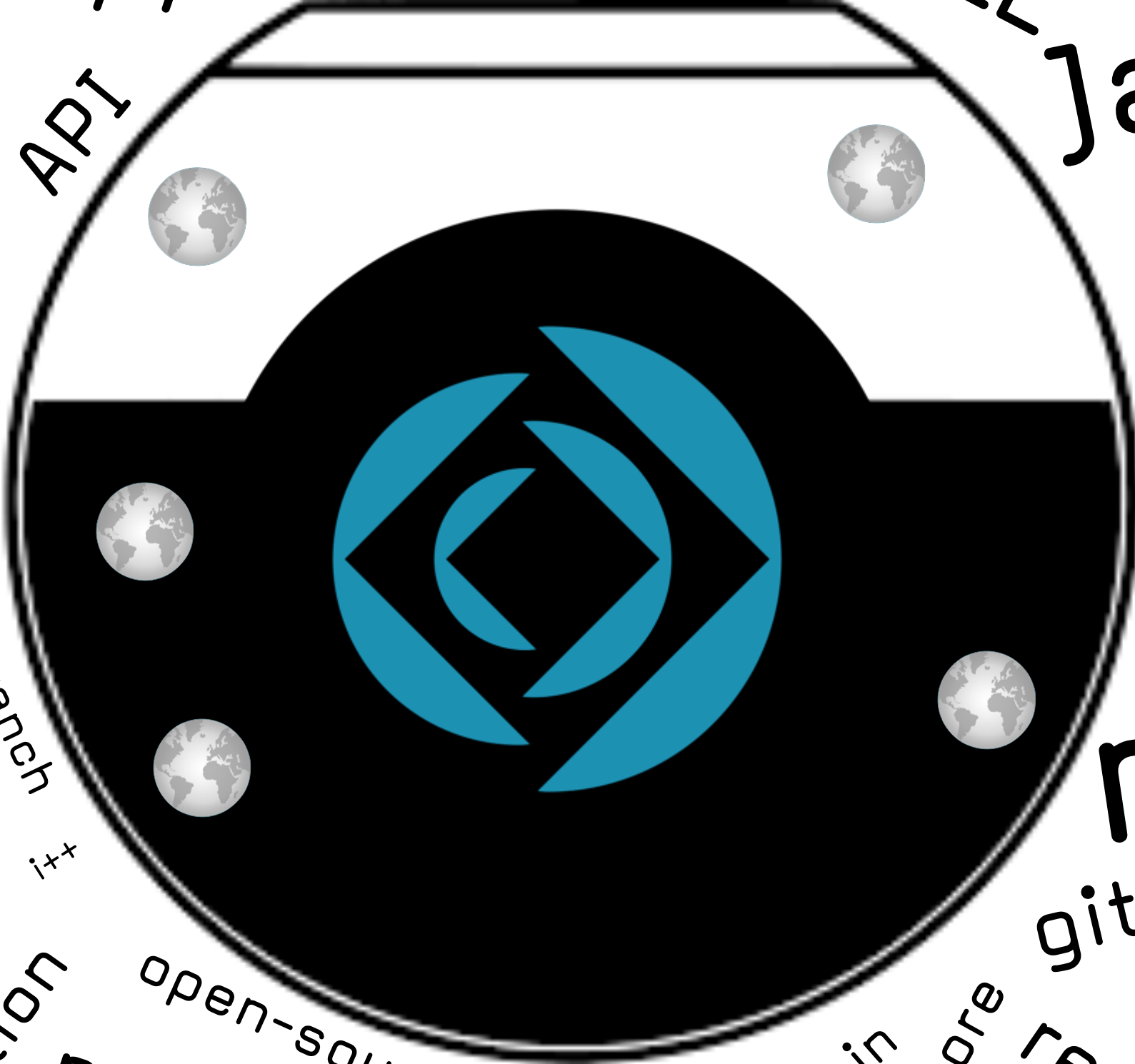
web pack

terminal chmod

cp

zsh

FileMaker 19



CDN

object

map

=>

open

let

ES

markup

jsdiff

\$(...)

IFE (Immediately Invoked Function Expression)

mime-types

HTML

svg.selectAll

NULL

JavaScript

SVG

jQuery

diff

yarn

SVG paths

DOM

ES6

linter

visualisation

vega-lite

npm

node.js

package.js

C3

git

push to origin

request

npx

babel

http

AJAX

api

platform

API

data

JSON

json-schema

prototype

gulp

grunt

google maps

module

CSS

--variables

CSS

branch

i++

open-source

method chaining

GitHub

selection.join

fork .gitignore

repo

function

Array.slice

Carafe.FM

freecodecamp

jsfiddle

Widget-Studio

codepen

Mozilla

myMateJSON

widget

jsdelivr

mermaid-js

build scripts

bundle.js

gulp

grunt

google maps

VS-Code

flexbox

grid

bubble event

responsive design

behaviour

depends

less

SASS

CSS preprocessor

MIT

License

dependency hell

GNU

Copyright

markdown

tiny MCE

Quill

Creative Commons

literal syntax

Array.slice

data binding

function

open-source

GitHub

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fork .gitignore

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zsh

How to bring two different worlds together?



FileMaker
Development



Web
Development

How to bring two different worlds together?



Five Levels of Integration / Skills / Tools

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- 1. FileMaker Add Ons = Click+Play / FileMaker 19

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Carafe.FM

(Carafe Kitchen)

Carafe Demo

How to bring two different worlds together?



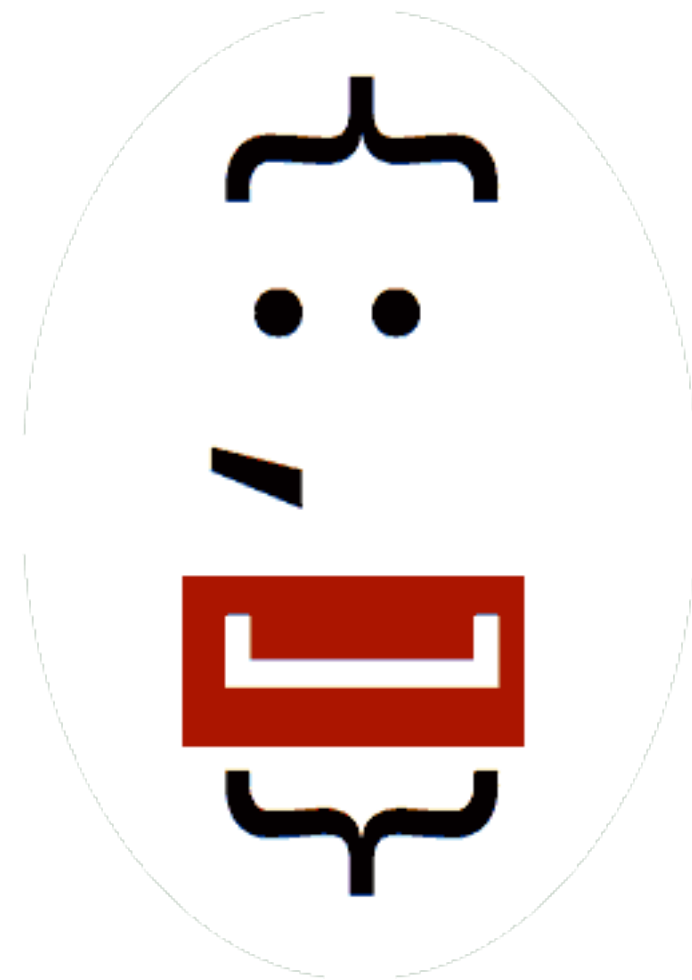
How to bring two different worlds together?



FileMaker
Development

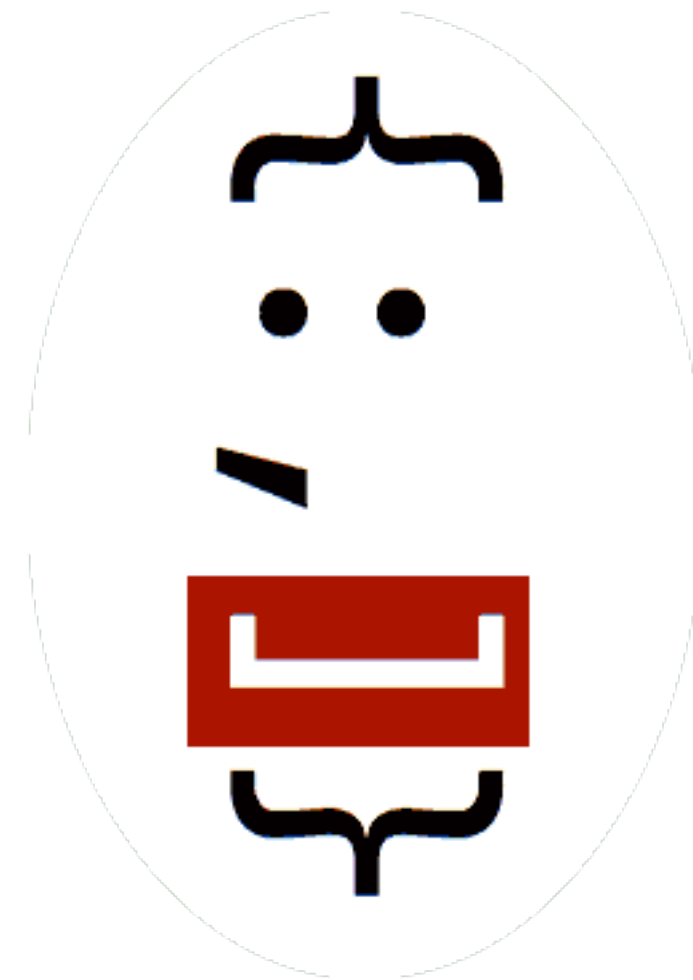


Web
Development



myMateJSON

Helps you get your JSON straight!



myMateJSON

Helps you get your JSON straight!

Home: <https://www.fmworkmate.com/mymatejson>

Repo: <https://github.com/mrwatson-de/myMateJSON>

myMateJSON Demo

Execute FileMaker Data API



- FileMaker 19 Execute FileMaker Data API Script Step
Jeremy Brown, Geist Interactive
- SEE Claris KB for more on FileMaker Data and Admin API

Execute FileMaker Data API Demo

How far are you
on the way to mastery?

How far are you
on the way to mastery?

Muster
Mäster
Mister
Moister
Moster
Master

How far are you on the way to mastery?

Muster = eyes open, mustering, "I must!"
Mäster
Mister
Moister
Moster
Master

How far are you on the way to mastery?

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Mäster = one who feeds / makes fat (German 'animal keeper')

Mister

Moister

Moster

Master

How far are you on the way to mastery?

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Mister = makes code with errors (German 'Mist bauen' = make 🦌)

Moister

Moster

Master

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- Moister = hacks unstructured code together, works but is non-DRY
- Moster
- Master

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Moster = knows most things / nearly there

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Moister = hacks unstructured code together, works but is non-DRY

Moster = knows most things / nearly there

Master = a true master of the arts

Questions?

Thank you



Thank you

Mister Watson (💩)