

FM & Javascript

KEY TAKEAWAYS

Data URI is no longer best practice. Instead, export files as a quasi-webapp to flat directories.

Presenters

Ryan Simms from Beezwax

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will write a blog post next week (7 days from 2015-07-22 09:51 EST)

will have modular file you can leverage

Follow-up session

Thursday at 2:00 PM - AJAX-type calls within a webviewer

Using Data URI

starting declaration with "data:text/html,"

NOT a best practice anymore

You don't want to intermix FileMaker data and web code (e.g., using merge fields).

can't take the code into other editors and have it run

You want to be writing your code in a standard environment (not the calculation dialog).

You want to be able to debug your code, using industry-best tools (e.g., Chrome, Firefox/Firebug, etc.).

Current best practice

Pushing tree structure from FileMaker to the temp directory.

can use Export Field Contents

(optional) can create folder structure, or could do it with flat structure

hard to do in Go

when you export from Pro, it uses UTF-16

when you export from Go, you get UTF-8 (which is better)

to export UTF-8 text from FM on the desktop, uses an XSL file and then exports records using that XSL file

Use namespaces

for the file type (js, css, html)

for YOUR solution

because as the technique becomes more popular, you don't want conflicts

e.g., don't use "index.html"

Merging data from FileMaker

Method 1

can then reference that object property in your app scripts

generate JSON objects in FileMaker and export as .js files that add the data as a property to a core object

Method 2

create a constructor function for the data array

Method 3

can use HASH in URL (onHashChange listener) to send data from FileMaker

preserves state inside the HTML page because you don't need to reload the webviewer

Use file:// url to point at appropriate temp file from in your web viewer.

WORKFLOW

edit files directly from temp directory

lets you edit the files on disk, using your text editor