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MEISTER SMART™ BUSINESS APPLICATIONS FOR SAP WHITE PAPERS: MOBILITY

Product Document v1.0



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Meister Smart™ Business Applications for SAP White Papers: Mobility

Gateway Architects Product Document

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**Meister Smart™ Business Applications for SAP White Papers:
Mobility**

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Meister Smart™ Business Applications for SAP White Papers: Mobility

Document Control

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Meister Smart™ Business Applications for SAP White Papers: Mobility

Overview

SAP's Mobility is enabled through SAPUI5 as a responsive design pattern, not taking into consideration the native UX capable of being created through specific frameworks like Apple's Swift. Therefore, the content of tables is shrunk to the geometry of the device with a clear loss of visibility and usability.

Meister introduces another disruptive technology with the usage of Json Documents as the means to provide data back to the mobility driven device of choice, from phones to tablets, using the exact same backend functionality used by the web solution. This is the focus of the white paper in question.

The enablement of holistic mobility

Meister is the only tool in the market that provides the UX developer the means of creating rich mobility UX via a script language or a native framework without loss of computational power and without loss of usability.

With the usage of dynamic smart single calls, the UX developer could pick an existing Json payload already present for the web solution, and carve out the values needed for the smaller device thus eliminating content that are deemed not worthy of representation via the smaller device yet using the same backend functionality.

Upon creation of the new smaller Json Document, the UX developer has the ability to clone the original call as it was defined for the web solution, but now returning a small set of data, all without altering the original solution and reusing all existing backend support.

SDK Support

Using the SDK tool provided by Gateway Architects, the UX developer could choose a given call which returns a larger set of data, carve out the fields required for the mobility device, and save the new call at the backend as a clone of the original call. In turn, Meister creates a new OO ABAP class for this new call reusing the original call as baseline, but returning now only what was selected by the UX developer. This new class is saved and activated at the backend SAP using the same transport as defined for the package (if such transport existed) or stores the new class into the temporary package \$TMP when no transport is found. Since we envision the creation of the mobility solution alongside the creation of the web solution, the most likely case is therefore the reusability of existing transports making the solution totally driven by the UX Developer with no additional support from the ABAP Developer being required.