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Mobile Enterprise Resource Planning with a Windows 8 Store App

A new mobile ERP front-end for coresystems with an optimised modern user interface and a flexible offline mode
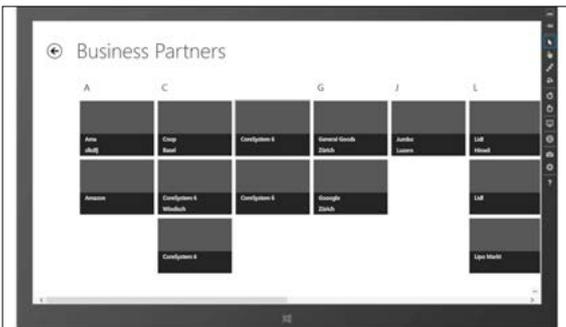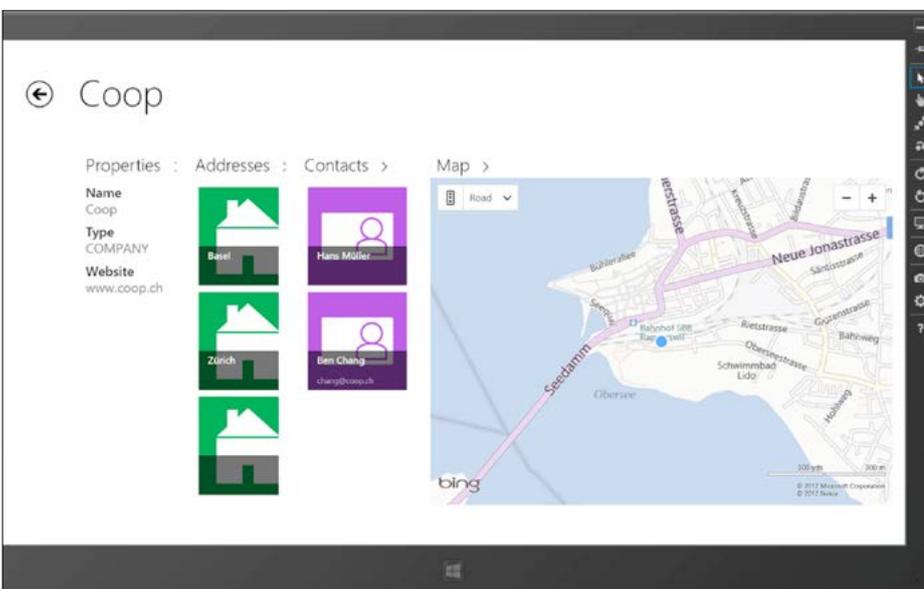

Extending coresystems' product portfolio

Overview of ERP entities, i.e. business partners

Introduction: Coresystems AG is a leading Swiss software development company providing ERP solutions for international customers. While coresystems already offers its mobile ERP application on iOS, Android and Silverlight front-ends, there is currently no support for Microsoft's Windows 8 platforms. The goal of this project was therefore to develop a new Windows 8 ERP front-end for coresystems, applying an innovative UI design and software architecture.

Approach/Technologies: In this project, we have designed and implemented the new mobile ERP application for the Windows 8 Store, which supports the major data model of the coresystems ERP and also integrates into its existing data cloud. Compared to the existing coresystems solutions, this application features the following highlights: (1) A cutting-edge user interface design which follows the guidelines for Windows 8 Store Apps and is touch-optimised both on tablets and PCs. (2) A flexible offline modus which allows the user to work on a local database that performs automatic background synchronisation to cloud services when connected to the internet. (3) A flexible data model that can be easily extended towards a larger set of ERP data on the coresystems cloud.

Result: Our developed ERP mobile application is fully functional, enables intuitive usage and effective offline and online work. It will serve as a demonstration for coresystems in Microsoft's mobile platform area and provides a solid base for further development and extensions. It is planned that the new application will be presented at the CeBit 2013 tech fair.

Detailed information about a business partner