The Study of the Mobile Business Intelligence System Based on Silverlight and MVVM Pattern

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The technical design of rich internet application (RIA) is introduced to solve the problems of real-time capability, interactivity and usability of the traditional business intelligence system. To improve the weakness of BI, a solution of mobile business intelligence system based on Silverlight and MVVM pattern is advanced. In the solution, the overall architecture is presented, WCF RIA Service and MVVM pattern is used in client presentation layer to completely separate the UI design and the code behind. An experiment about employee performance analysis is given to introduce how to integrate Silverlight and MVVM pattern to achieve mobile BI data presentation with highly real-time capability, the diversity and multi-level of the service object.

category index

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</tbody>
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Can a view model created as a stand alone view model, so not linked to a model? Yes, it just breaks the pattern. It is probably better to have a model to create the menu information outside of the view model, as this de-couples the task of displaying the menu from creating the menu, but YMMV on this last point. Permalink. Posted 21-Aug-10 2:03am. The issue here is that most of the menu is built statically an dynamic part is built with data which comes as input in the Silverlight application. So I thought that menu view model may not be linked to a model because related to the UI only. That view model may be used associated with a model in the future for those menus that are built entirely from a source, such as XML or DB. MVVM (Model-View-View Model) is the design Pattern code model used for WPF/Silverlight UI. MVVM is the guideline a developer should follows in order to achieve a more testable, debug gable, manageable, readable Application. MVVM is implemented with zero code behind. The architect design of the MVVM pattern is as follows: kindly visit http://www.elearningfromhome.com/Sample_Videos.php for more videos series on Silverlight and wcf videos. using System.ComponentModel; namespace simplePersonandageMVVM { 
    public class PersonModel : INotifyPropertyChanged { string name; public string Name { get { return this.name; } set { this.name = value; fire("Name"); } } int age; public int Age { get { return this.age; } set { this.age = value; fire("Age"); } } } MVVM or Model-View-ViewModel is a development pattern based strongly around a separation of concerns in Silverlight (and WPF) applications. That brings us to the ViewModel, the true workhorse of the application, which contains business logic and otherwise the core of the application. Through databinding, public properties and collections on the ViewModel can be exposed to the View and can even be modified depending on the type of binding (check MSDN for more information on databinding in Silverlight and WPF). This enables a clear separation between the presentation and the logic of the application.