

Model-View-ViewModel (MVVM) Architecture

Steven Bucksbaum March 6, 2011

Purpose: Allow more time to be placed on the GUI and less time on the business logic.

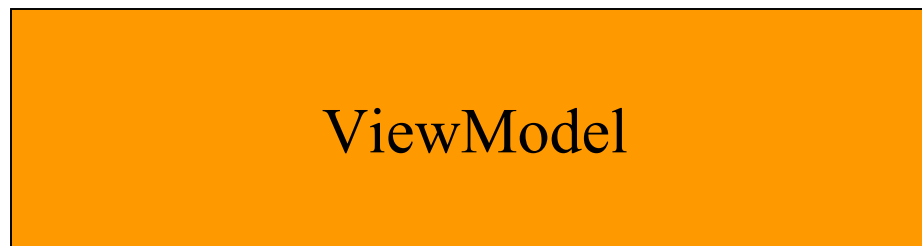
View- easily changed by designer. No need for code behind. This is the HTML or ASPX

The ViewModel exposes commands, notifiable properties, and observable collections to the View. The View binds to these ViewModel entities/members

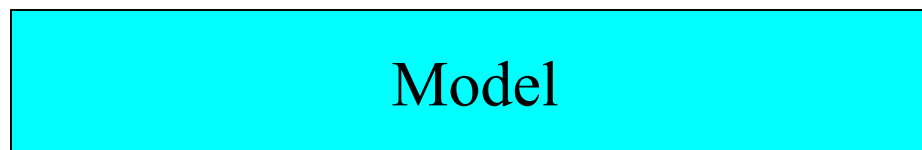
Both ViewModel and Model are easily unit testable.



View- holds a reference to the ViewModel. The View displays data by binding to entities in the ViewModel



Both ViewModel and Model are easily unit testable.



Model is your data and your application objects that move data while applying application logic.



If you have a business layer, you may not need this.

Data Provider -
Any container of data including:

1. Databases
2. Web Services
3. Flat Files
4. Others

