## Binding to the Visibility Attribute using a TypeConverter

The XAML code snippet below shows the binding I was using against the Visibility attribute of each of the controls used to represent the three different QuestionTypes:

* SingleChoiceSingleAnswer – utilizing a single text box for the user to type a reply.
* MultipleChoiceSingleAnswer – utilizing a listbox bound to the Answers with RadioButton controls for the user to select the **single** correct answer. The RadioButton controls were given the same GroupName to make them mutually exclusive.
* MultipleChoiceMultipleAnswer – utilizing a listbox bound to the Answers with CheckBox controls for the user to select the **multiple** correct answers.

"{Binding Path=CurrentQuestion.QuestionTypeId, Converter={x:Static my:QuestionTypeToVisibilityConverter.Instance}, ConverterParameter=2}"

Using this technique all three controls were still present on the Window even if only one of them was Visible.

The problem with this is because the RadioButton controls were mutually exclusive and were bound to the same Answers property as the CheckBox controls I could only select one checkbox. If I attempted to select another checkbox the TwoWay binding would cause the relevant RadioButton to be selected which would mean the previously selected one was deselected and so was the CheckBox!

## Useful Links

<http://www.codeproject.com/Articles/323187/MVVMLight-Using-Two-Views>

Details how to create an application using MVVM Light with multiple views in one window. I used this technique (modified slightly) in order to display a different View for each QuestionType.

## Close a Window from the ViewModel

I used this process for closing the DoQuizWindow:

<http://www.codeproject.com/Tips/499977/Closing-View-from-ViewModel>

## Using Automapper to map QuizSessionQuestionViewModel objects to QuizSessionQuestion objects

QuizSessionQuestion objects don’t have a single Id property. Instead they utilize a composite key made up from QuizSessionId and QuestionId. When mapping from QuizSessionQuestionViewModel objects to QuizSessionQuestion objects I used Automapper to map the QuizSessionQuestionViewModel objects Id field to the QuizSessionQuestion objects QuestionId field.

<http://www.codeproject.com/Articles/61629/AutoMapper>