*1* *Introduction* 1

# *MVVM*

# User controls with administration data

## CompanyControl

A User control becomes complicated if the content of the data is adaptation data.

In this case, I want to bind the selection of the company to CustomerData, But I want to bind the adaptation data to Company. In addition, I want to be able to update the adaptation data through the same control – so that the user does not have to go to a separate form to do that.

Also, when a Company is added, it should immediately be selected as well.

To achieve this, I bind the User control to CustomerData, and I bind the adaptation data to a datagrid inside the user control. For this reason I had to create a new dependency property, called CompanyId on the User control.

### Timing issues on the search

The user can search through a list sequentially, but this can become cuimbersome if the list is very long. In the ComboBox, you can type in a partial string, and then do a direct search. A problem here is this: At which point, during the user’s typing. If the user types too slow, you will get a premature search. In order to make this more deterministic, I use a Search button to indicate explicity that the user has completed the entry of the whole search string.

In order for me to do the seach programmatically, I have to use a datagrid.

### Timing issues on data editing

When editing the Adaptation data, I have to indicate when the data should be persisted. One reason for that is that I need the new CompanyId to update CustomerData.