

WPF – Part 7

More Fun with the ListBox in WPF

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Agenda

- Review Loading Data into List Box
- Change Templates Dynamically
- Sorting Data
- Filtering Data
- Formatting Data using Value Converters

The Flexible ListBox Control

- The ListBox control will be used a lot
- This is a very flexible control
- Can display multiple columns
- Can display multiple lines in a line
- Can display data horizontally
- Can change display based on data
- Can group, sort and filter data
- Much more...

Simple Formatting

- Basic binding with LINQ to SQL
- List Box with Image
- Changing Templates Dynamically

Simple Formatting

Demo

Sort / Filter

- Use `IEnumerable<T>` list
- Use `CollectionViewSource`
 - A view into the original data source
- Sorting
 - Can be done with XAML
 - Can be done with code too
- Filter data using code

Group / Sort Filter

Demo

Format Data

- Attributes on controls
 - StringFormat="C"
 - ContentStringFormat="C"
- Data Needs to be correct data type
- If not the correct data type
 - Need to use a ValueConverter
 - Class you write to convert one data type to another

Formatting Data

Demo

Summary

- The List Box is very flexible
- You will use this control a lot
- Sorting and Filtering are easy to accomplish
- Use Value Converters for other formatting options