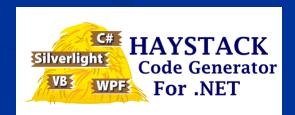# The Flexible ListBox in WPF

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Paul.About

- Paul D. Sheriff (psheriff@pdsa.com)
  - President of PDSA, Inc.
  - Author, Speaker, Architect
  - Custom Software Development, Developer Tools
  - Software Audits
  - www.pdsa.com
- Developer Tools
  - Haystack Code Generator
    - www.CodeHaystack.com
  - .NET Productivity Framework

Agenda

- Simple Formatting
- Grouping / Sorting / Filtering
- Selecting and Modifying Data
- Formatting Data

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

- Two Column List Box
- List Box with Image
- Multi-Line List Box
- Horizontal List Box
- Changing Templates Dynamically
- Data Trigger

Simple Formatting

Demo

Group / Sort / Filter

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

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Group / Sort Filter

Selection and Modify Data

- IsSynchronizedWithCurrentItem=True
  - Binds List Box to ObjectData provider
  - If other controls bound… They are updated
- Modifying data requires a little bit of code

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Slide 9

Selecting and Modifying

Demo

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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
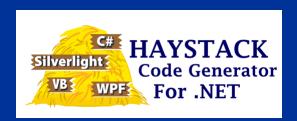
Formatting Data

Summary

- The List Box is very flexible

- You will use this control a lot

- Grouping, Sorting and Filtering are easy to accomplish

Thank You

- Sign up for Haystack Webcasts
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Sample Code

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  - Use Code: ??
  - Valid until: ??/??/11