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JULY 6

Building

Ribbon Interfaces

with Code

Outline

- Why not use a third-party editor?
- Building the XML
- Custom Images
- Enable/Disable and Show/Hide buttons

Why Not Use a Graphical Editor?

- Version Control
- Development Speed (context switching)
- No External Dependencies
- Generate Dynamic Content (Galleries)

Building Custom Ribbon XML

- Use a class module (helps maintain state)
- Implement only what you need
- Construct XML from the inside out
- Keep the complexity in the class module
- Call `Application.LoadUI` at startup

Using Built-in Images

- Finding the idMso
 - Using an idMso browser ([AccessUI.com](https://www.accessui.com))
 - Options > Customize Ribbon > Hover tip
- Icons Change Between Office Versions!!!

Finding Custom Images

- Native icon resolution: 16x16 or 32x32
- PNG is my preferred format
- <https://icons8.com/icons/office/>
- Attribution (or subscription) required
- Create an About form to give credit

Loading Custom Images

- Import raw bytes into a local table
- Pass filename to callback function via tag
- Extract raw bytes from local table
- Use GDI+ to convert PNG to IPicture

Changing the Ribbon at Runtime

- Callback functions:
 - `setVisible` / `setEnabled` / `getSize`
- Save ribbon `ObjPtr` in `TempVars`
- Use `MoveMemory` API to get ribbon
- Refresh via the `Invalidate` method

Questions?

Links and Resources:

nolongerset.com/ribbon/