Unleash the Power of Power Automate

Automating Microsoft List Operations

Norm Young

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Norm Young

Who am I?

- Microsoft MVP
- Sr Strategic Consultant at AvePoint

When it comes to tech, ask me about:

- Dataverse and Model-driven Apps
- Microsoft Lists and SharePoint
- Power Automate
- Adaptive Cards

When it comes to life outside of tech, ask me about:

- Bikes and bike racing
- Star Wars from originals, prequels too sequels

What are we talking about?

- Moving data between Microsoft Lists can be a manual and time-consuming task
- There is no "copy" button to move an item between lists
- **Power Automate** is perfectly suited for this task and can help to streamline your list operations, increase your productivity, and has the flexibility to adapt to changing business requirements over time

Why?

Common use cases

Item acts as a bridge between list solutions and needs to be copied to another list

Integration

Item transitions from one process to another and needs to move from one list to another.

Process

Item is no longer active and should be archived and needs to move from one list to another.

Archive

Flow Overview

Our Flow solution will be started by a user and will copy a list item from the source list to the destination list while considering:

- Column types like Choice, Person and Location where allowing multiple selections can trip up Power Automate
- Complex columns like Location and Image that need more professional developer skills to master

Flow Pattern

Low complexity columns (Ideal for Makers)

- Title, Date, Multiple Lines of Text, Number, Yes No, Hyperlink, Currency and Managed Metadata

Medium complexity columns (Ideal for Power Users)

- Choice, Person, Lookup and Attachments

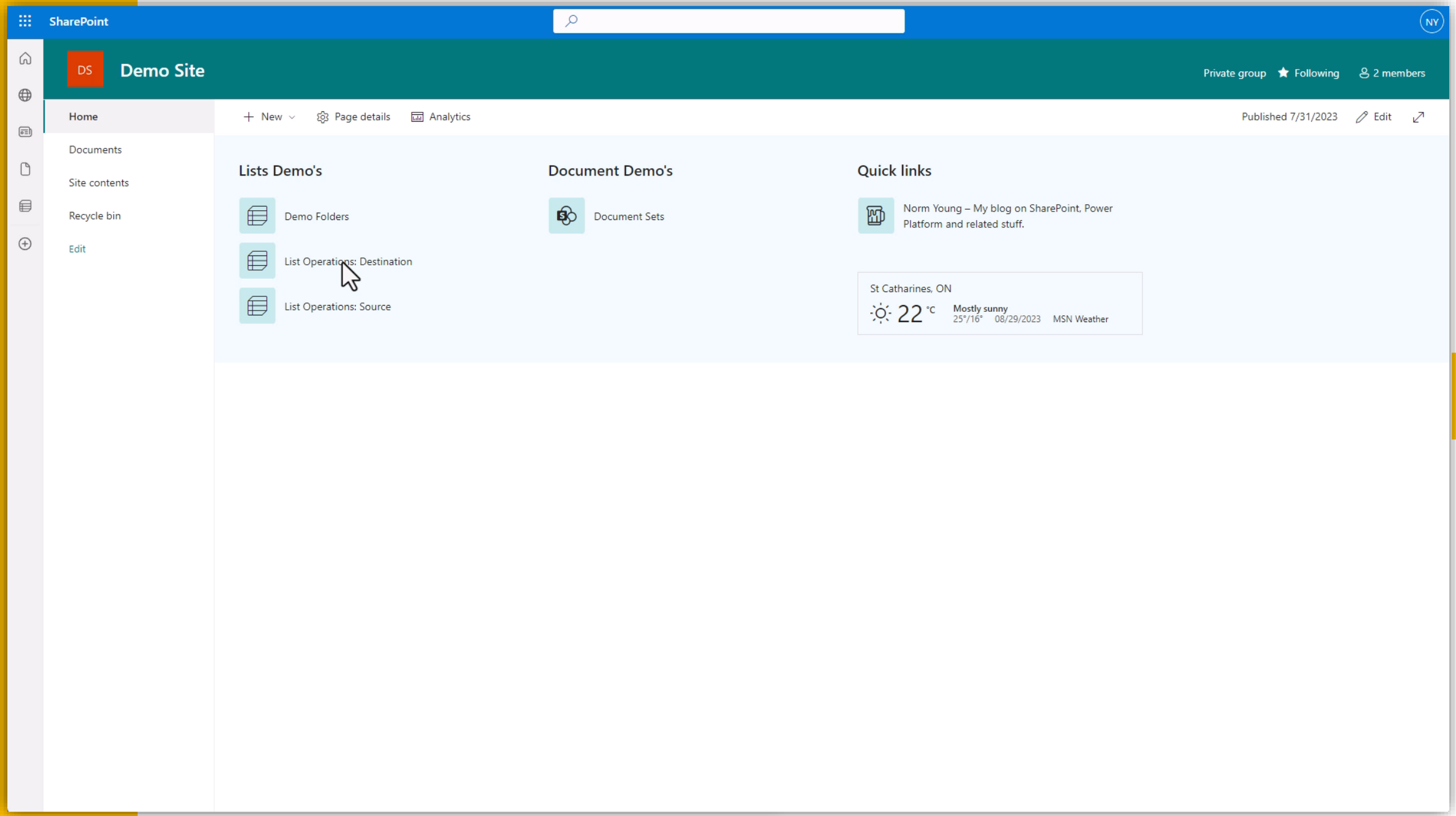
High complexity columns (Ideal for Pro Devs)

- Location and Image

Part 1: Low & Medium complexity

- SharePoint **For selected item** trigger
- Get item details from **Source** list
- Get **Allow multiple selections** columns details
- Create new item in **Destination** list

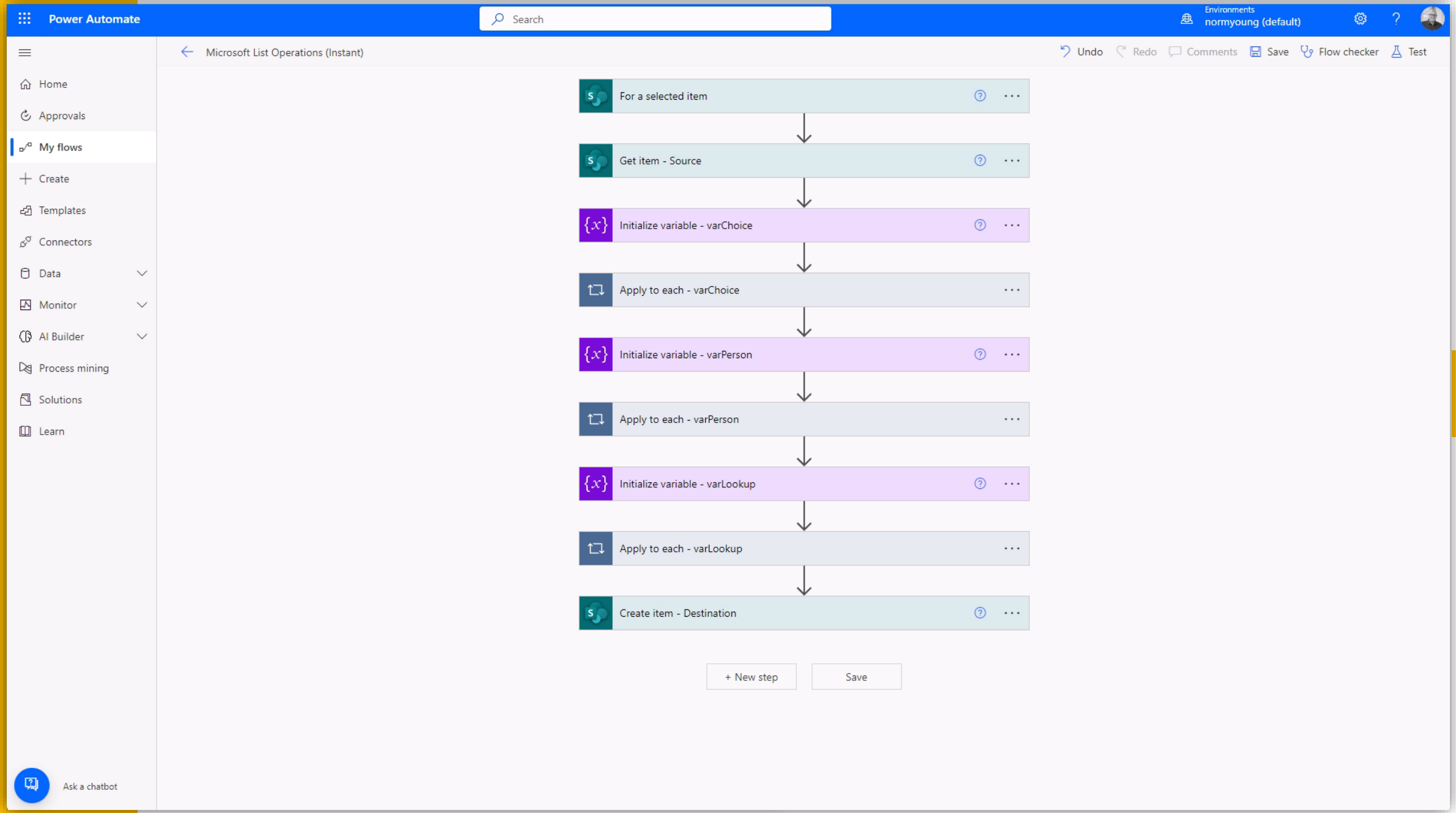
Demo 1 - Initial build



Part 2: Medium complexity

- Update **Destination** item
- Get item Attachment details from **Source** item
- Add Attachments to **Destination** item

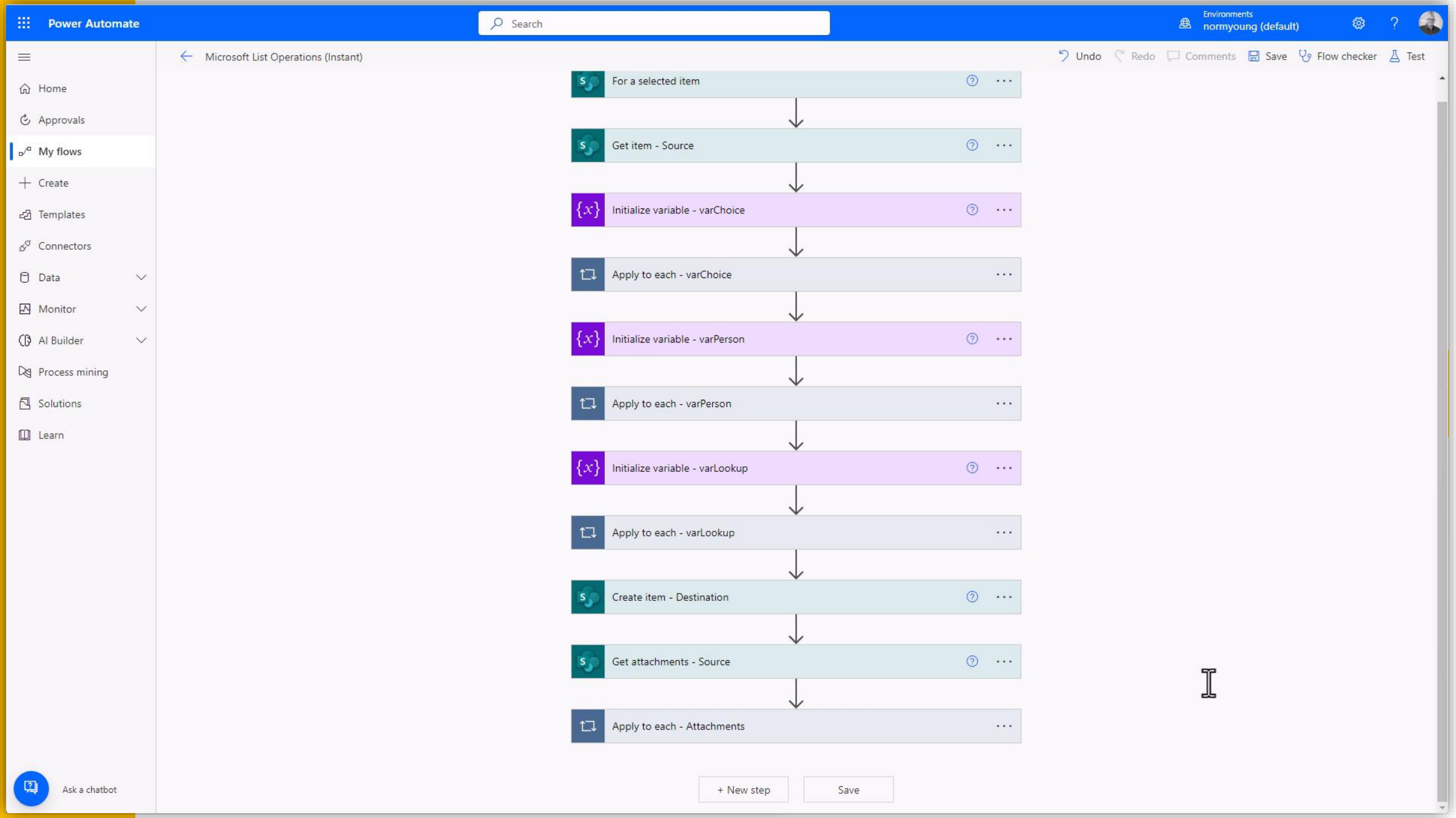
Demo 2 - Attachments



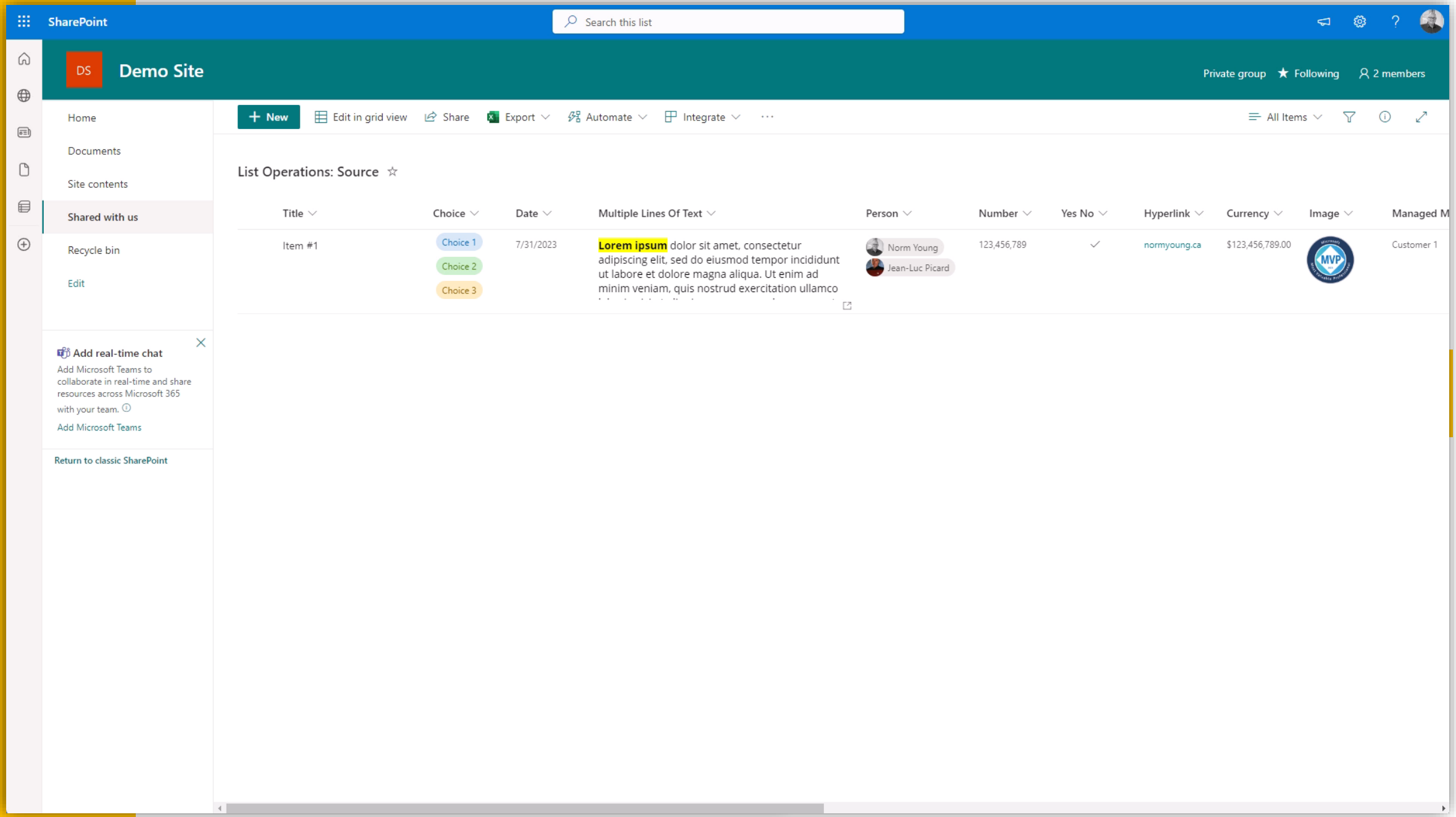
Part 3: High complexity

- Get Location coordinates from Source using **Bing maps**
- **Send an HTTP request to SharePoint** to update Location details in Destination
- Get Image details using **Send an HTTP request to SharePoint** from Source list
- Create Image **thumbnail** in Destination site
- Update Image with link to new thumbnail using **Send an HTTP request to SharePoint**

Demo 3a: Location



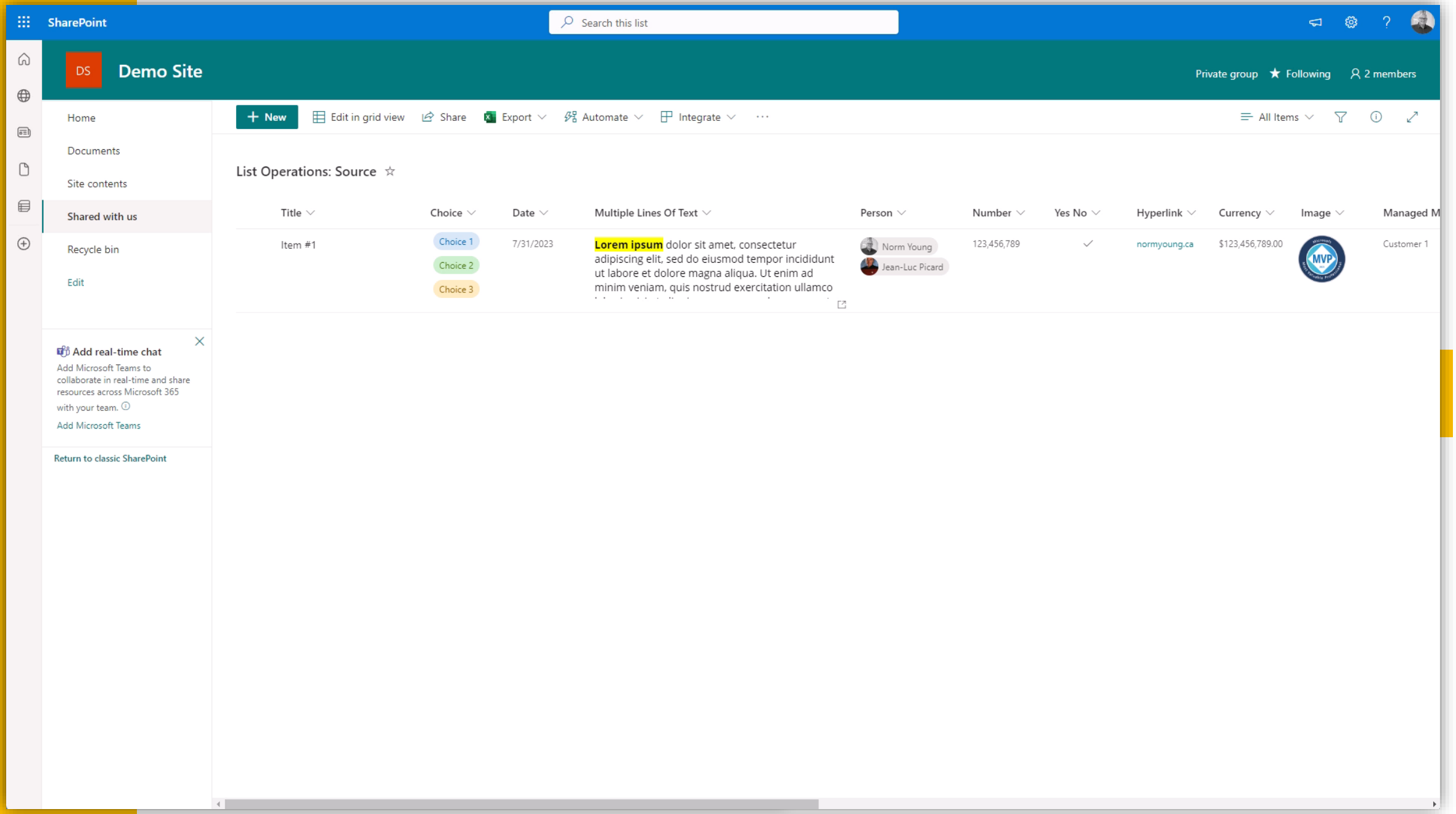
Demo 3b: Image



User Experience

- Native SharePoint integration with Power Automate
- Selecting item activates Flow associated with list
- Simplified user experience

User Experience demo



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Thanks!!!

Let's keep the conversation going:

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