Building PowerApps for SharePoint Online
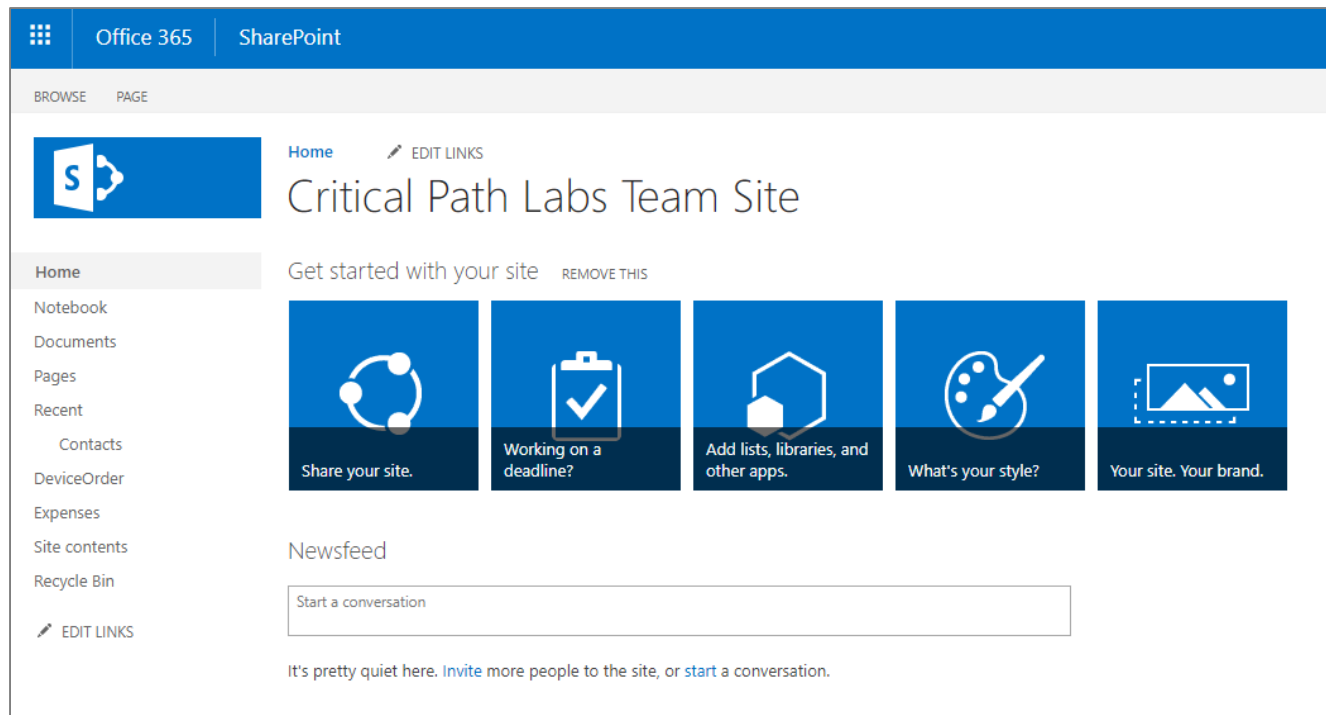
Agenda

- SharePoint Online and the Modern UI Experience

- Building Apps to Add and Edit SharePoint List Items

- Customizing SharePoint List Forms

SharePoint Online

- Supports the creation of Team sites
  - Microsoft is in the process modernizing the SharePoint UI
  - Older user experience is known as "classic UI"
 - Newer user experience is known as "modern UI"

Creating Lists

- Many list types are available when creating new list
  - Many familiar list types are based on classic UI
  - Custom list type and document library support modern UI
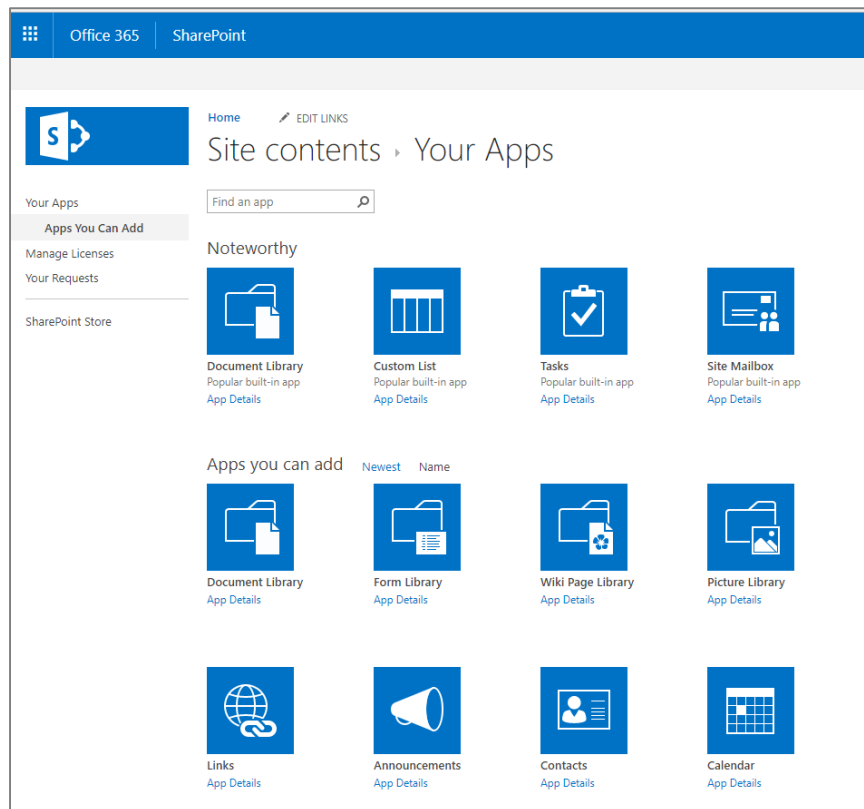
Classic List Experience

- Classic UI introduced in SharePoint 2013
  - Used for certain list types in SharePoint Online
  - Used for all lists in SharePoint on-premises
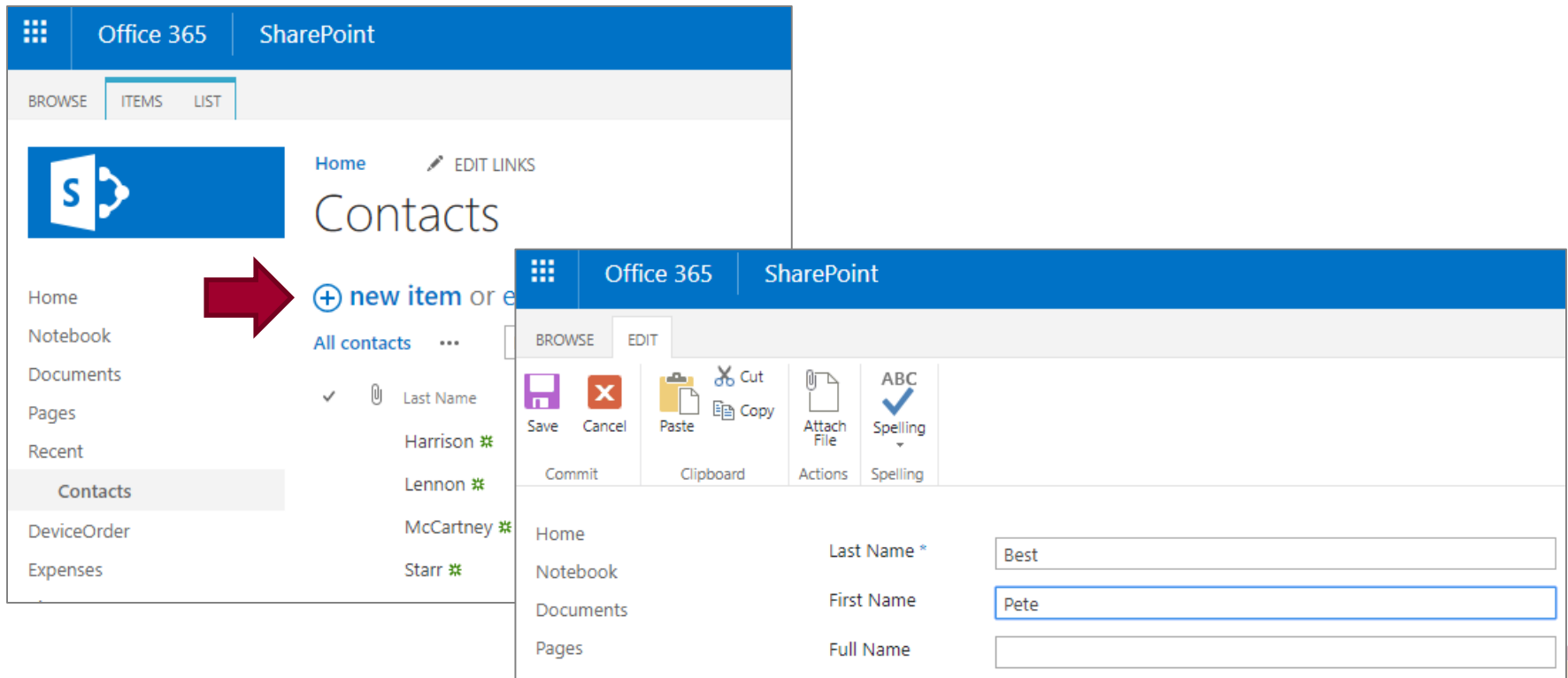
Modern Lists in SharePoint Online

- ## Created when using Custom List type
  - ### Provides support for PowerApps and Flow

DEMO

Creating a List in SharePoint Online with the Modern UI

Agenda

- ✓ SharePoint Online and the Modern UI Experience
- ➤ Building Apps to Add and Edit SharePoint List Items
- • Customizing SharePoint List Forms

SharePoint List

- You can generate app from SharePoint list
  - Users can manage items in app for SharePoint list

- By default, the app will have 3 screens:
  - **BrowseScreen1** - browse through all records in the list
  - **DetailsScreen1 -** view all fields for a specific record
  - **EditScreen1 -** create or edit a record

- Customize these screens based on your needs

- Not all columns are supported

Supported/Unsupported Columns

Column type	Support	Default cards
Single line of text	Yes	View text
Multiple lines of text	Yes	View text
Choice	Yes (single values only)	View lookup
Number	Yes	View percentage View rating View text
Currency	Yes	View percentage View rating View text
Date and Time	Yes	View text
Lookup	Yes (single values only)	View lookup Edit lookup
Boolean (Yes/No)	Yes	View text View toggle

Supported/Unsupported Columns

Column type	Support	Default cards
Person or Group	Yes (single values only)	View lookup Edit lookup
Hyperlink	Yes	View URL View text
Picture	Yes (read-only)	View image View text
Calculated	Yes (read-only)	
Task Outcome	No	
External data	No	
Managed Metadata	Yes (read-only)	
Rating	No	

Creating an App from a Modern List
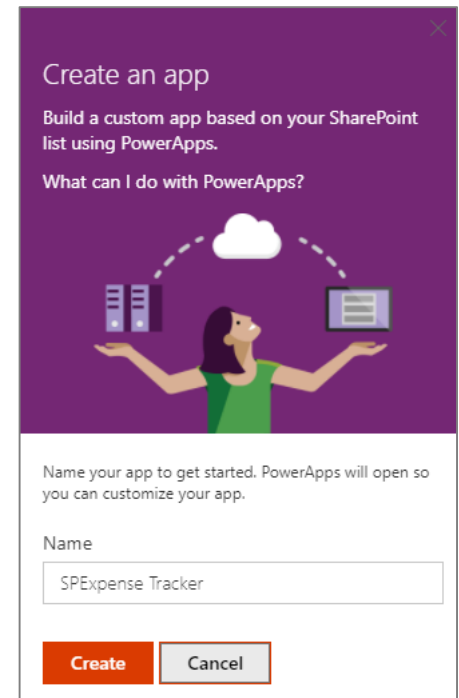
- Modern UI provides commands to create apps

The App is Generated Automatically

- It provides three basic screens
  - Browse screen
  - Detail screen
  - Edit screen
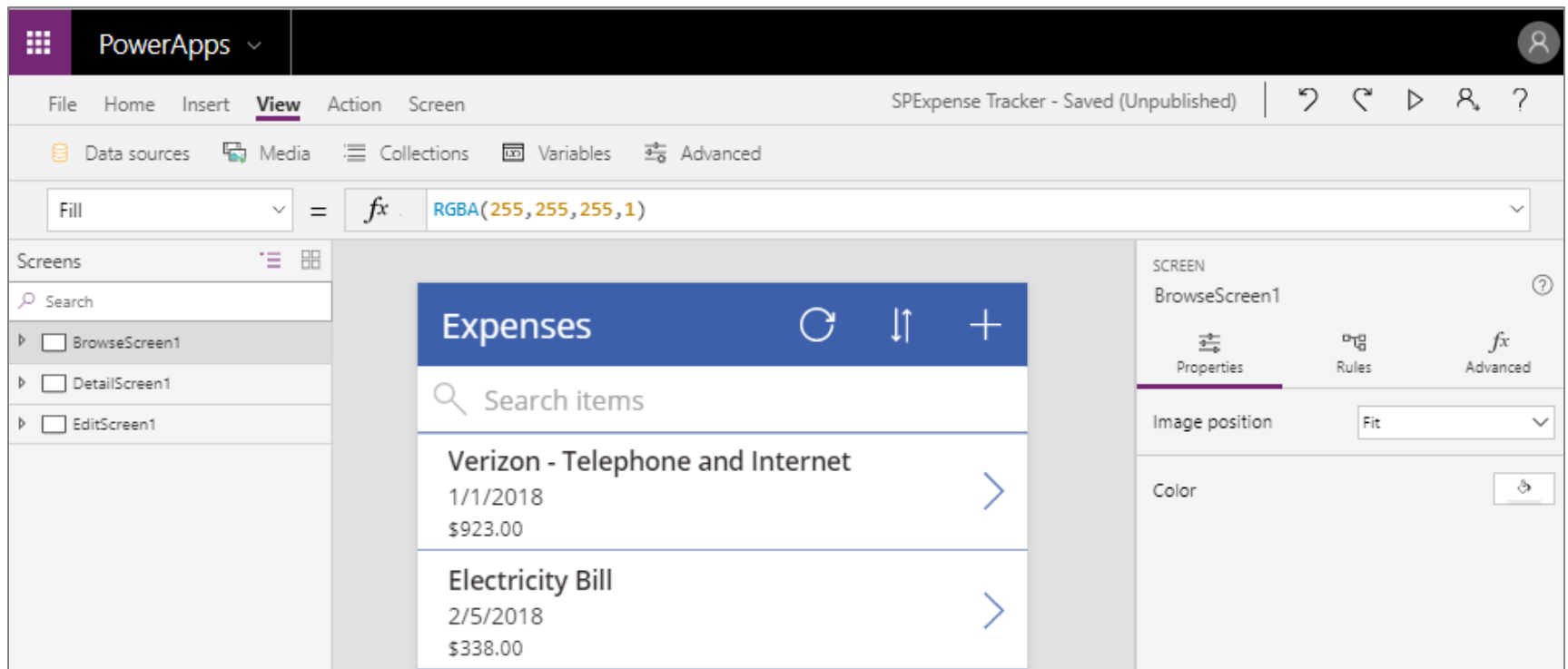
DEMO

Using PowerApps to create an App from a Modern SharePoint List

Agenda

- ✓ SharePoint Online and the Modern UI Experience
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Forms for a SharePoint Lists

Standard View Form for Modern List

Standard Edit Form for Modern List

Customizing SharePoint List Forms

App Created with a Single Screen

- It contains form

Customizing the Form

Saving the Customized Form
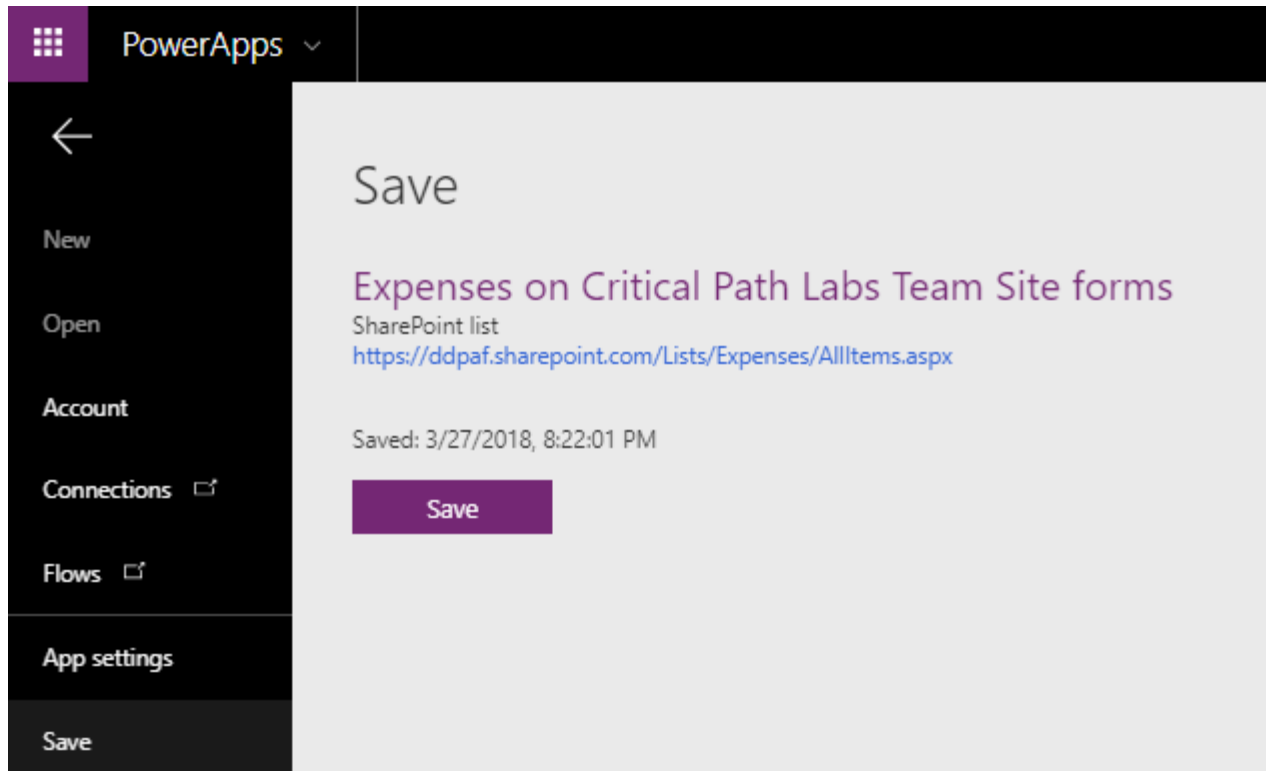
Publishing the Form Back to SharePoint
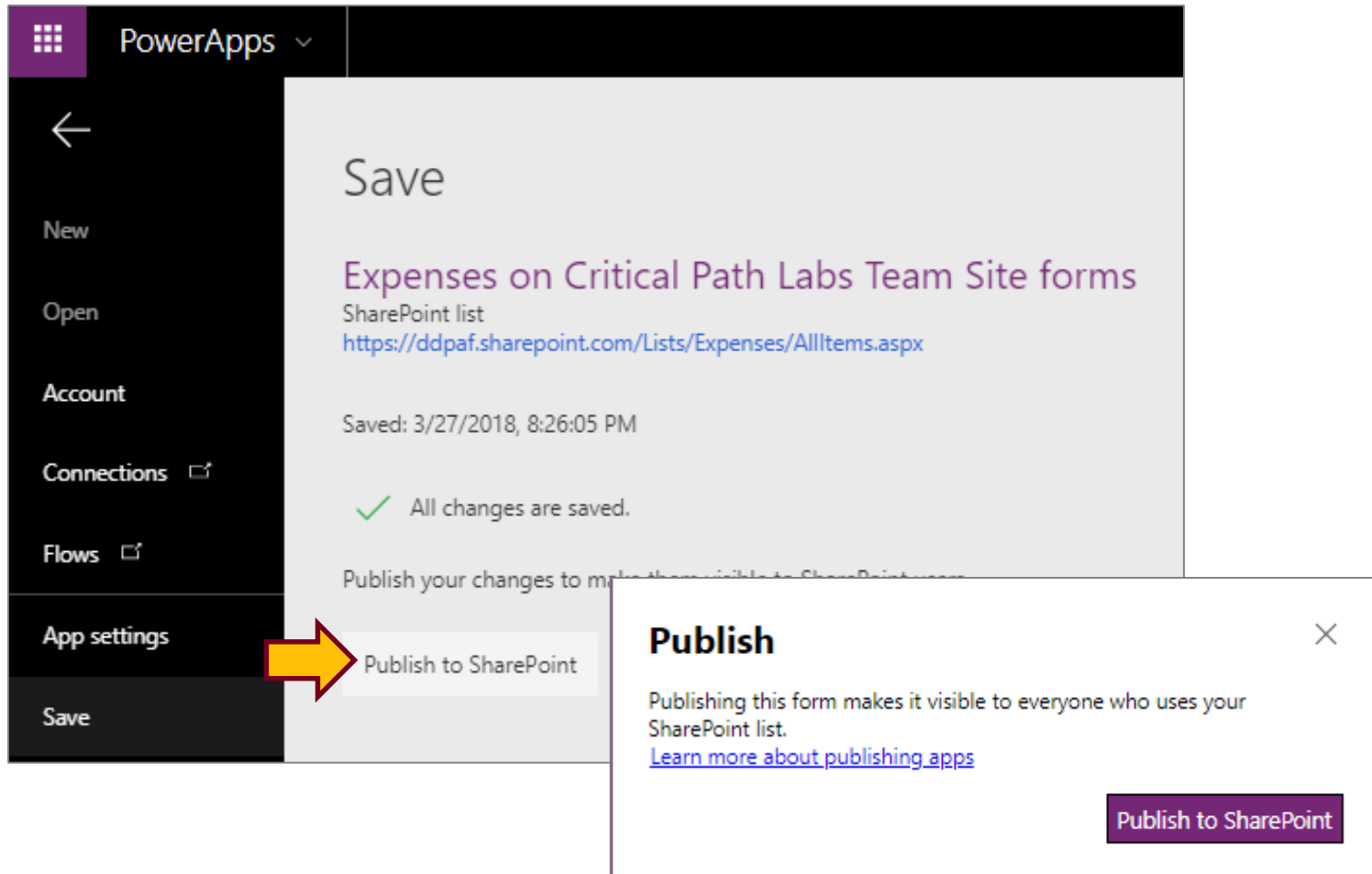
Editing Items using a Customized Form

DEMO

Customizing SharePoint List Forms

Summary

- ✓ SharePoint Online and the Modern UI Experience
- ✓ Building Apps to Add and Edit SharePoint List Items
- ✓ Customizing SharePoint List Forms