


European
Power Platform
Conference



BRUSSELS
11-13 JUNE — 24



Customize your UX one Page at a Time – Custom Pages in Model Driven Apps

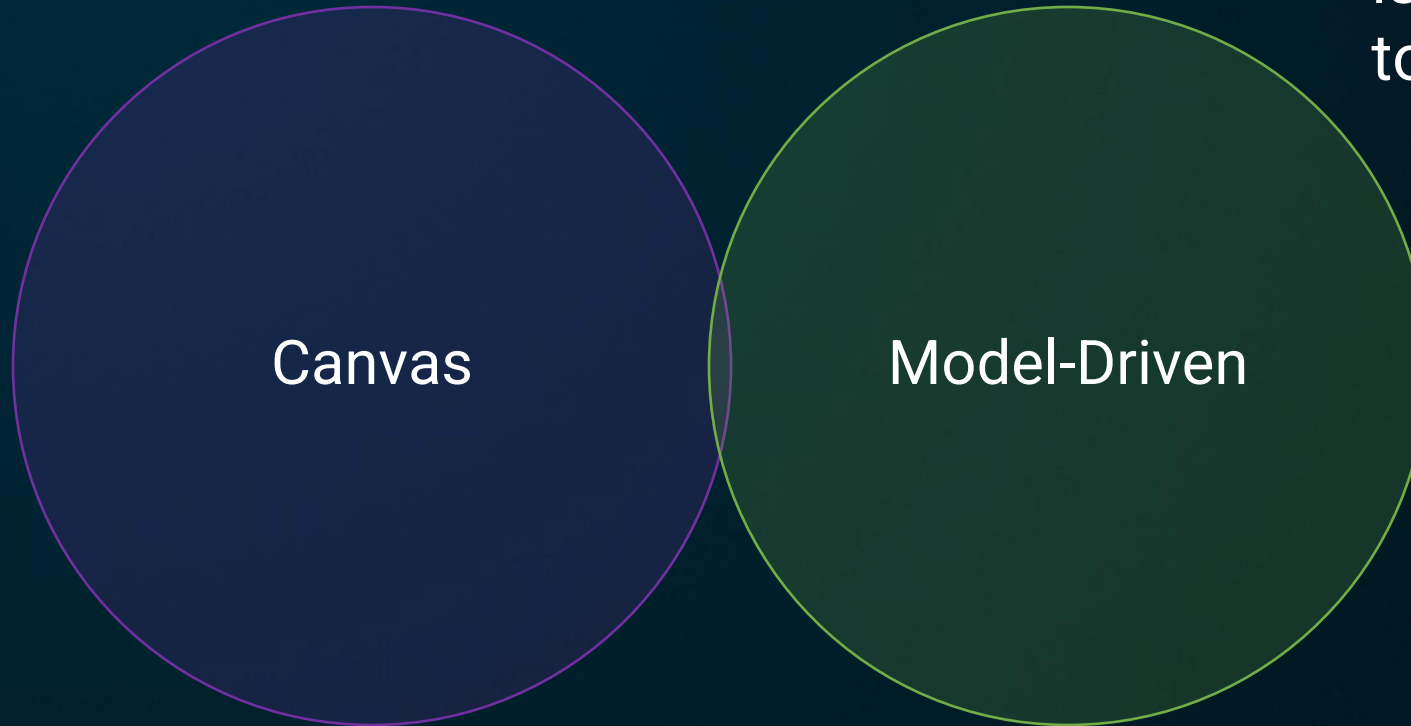
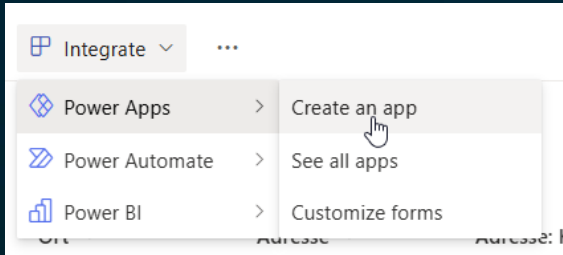
ROBIN ROSENGRÜN

ENABLER, EnBW AG, Germany

- 1. Power Appers 2020 vs. 2024**
- 2. How to build Power Apps in 2024**
- 3. Types of Custom Pages**
- 4. Examples**
- 5. Design Tips for Custom Pages**
- 6. My wish list for Microsoft**

Power App(er)s 2020

The classic editor
is so much easier
to use



Model-Driven Apps



Canvas Apps



The truth about Canvas Apps

- We are building Business Applications
- Our Apps don't need to be beautiful, but functional
- We don't need a unique UX
- 95% of Canvas App Makers can't create a UI that is better than a Model-Driven App



Model-Driven Apps

PROS

- Design standards
- Quick to create
- Lots of out of the box functionality

Model-Driven Apps

PROS

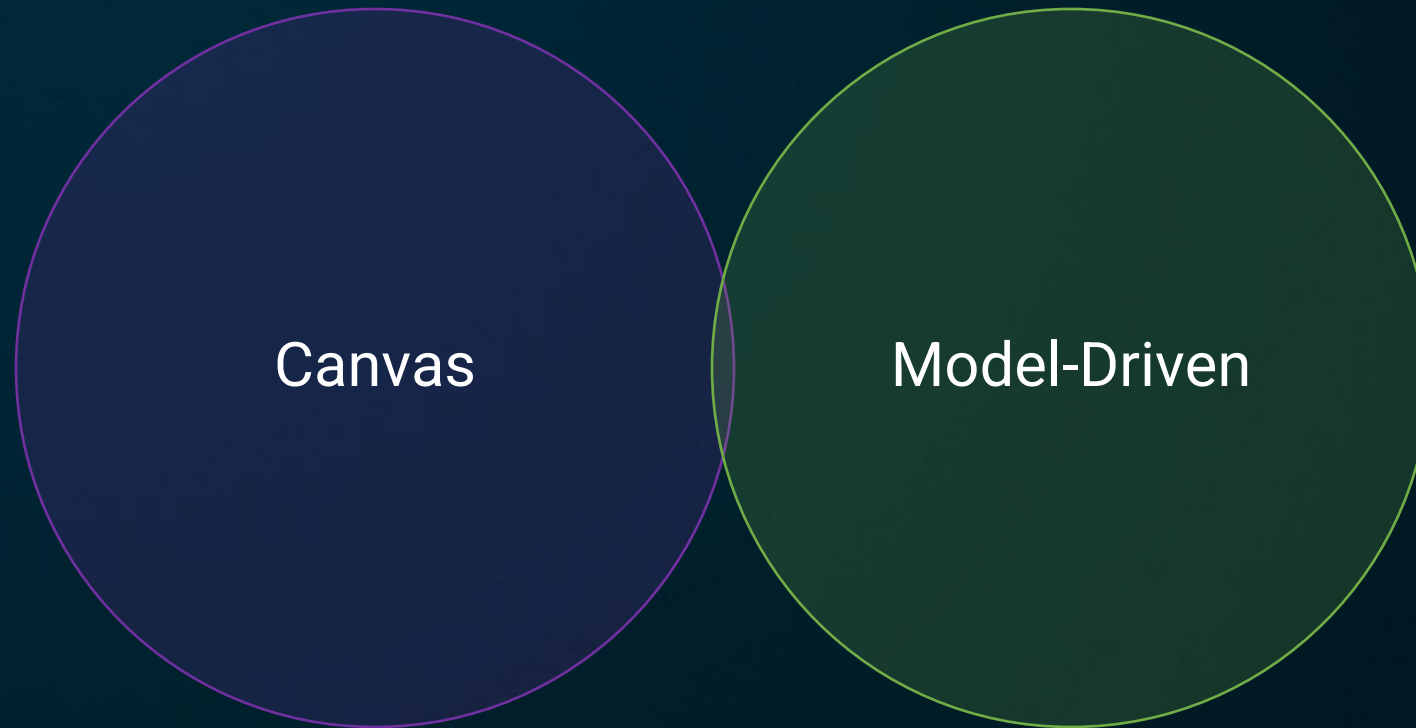
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Canvas Apps

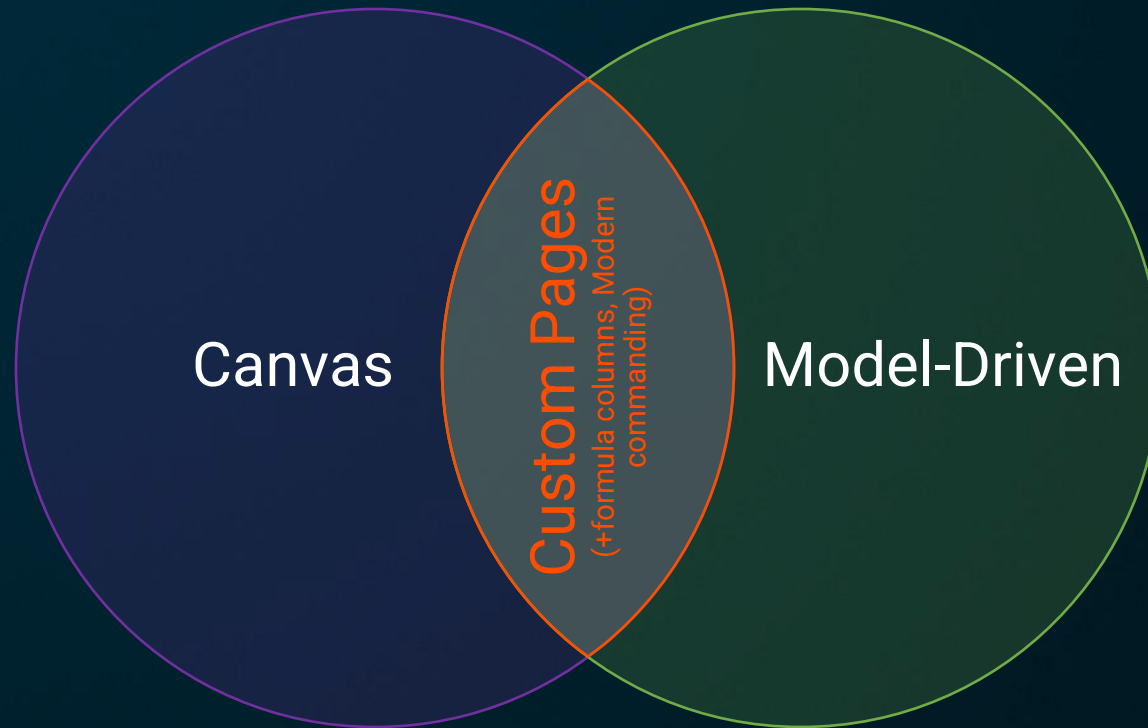
PROS

- Pixel perfect Apps
- Custom Logic with Low Code
- External Datasources / APIs

How to build Power Apps in 2020

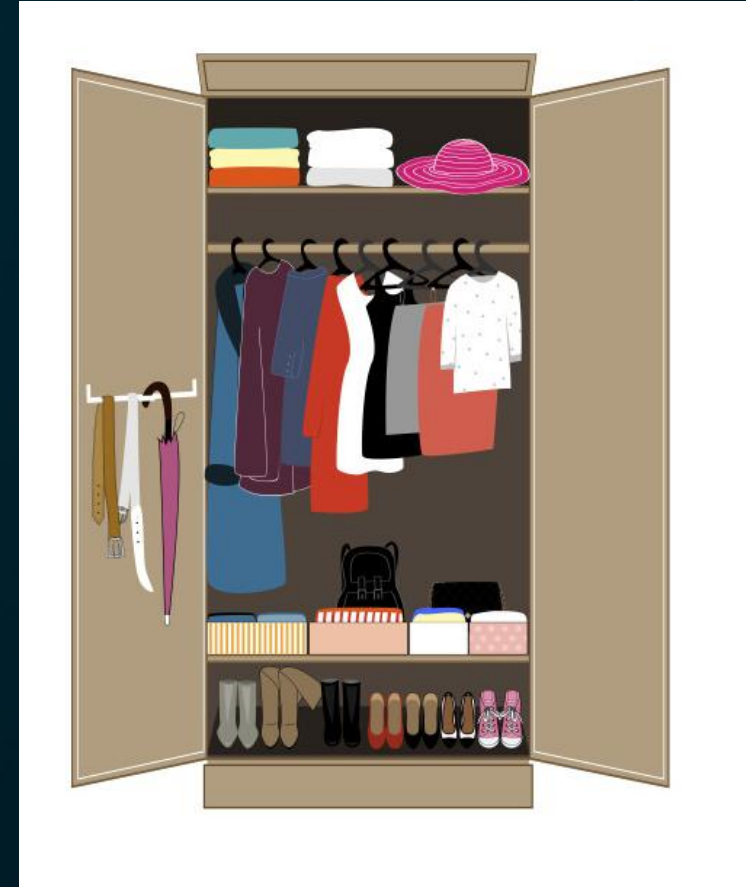


How to build Power Apps in 2024



Your 20 screen Canvas App

MDA with 5 Custom Pages

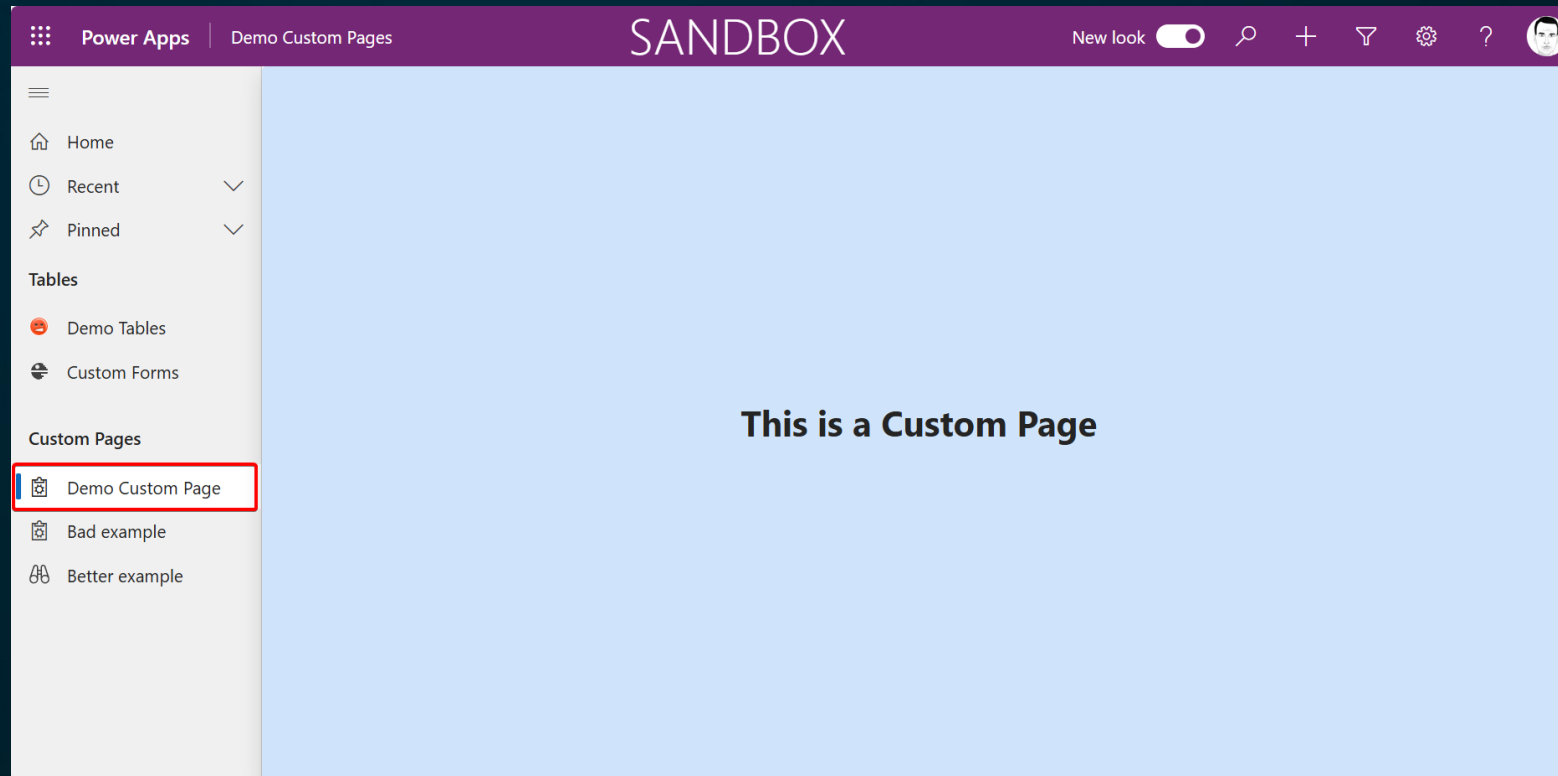


Types of Custom Pages

- Navigation
- Dialogue
- Inside MDA Form
- Open From Grid

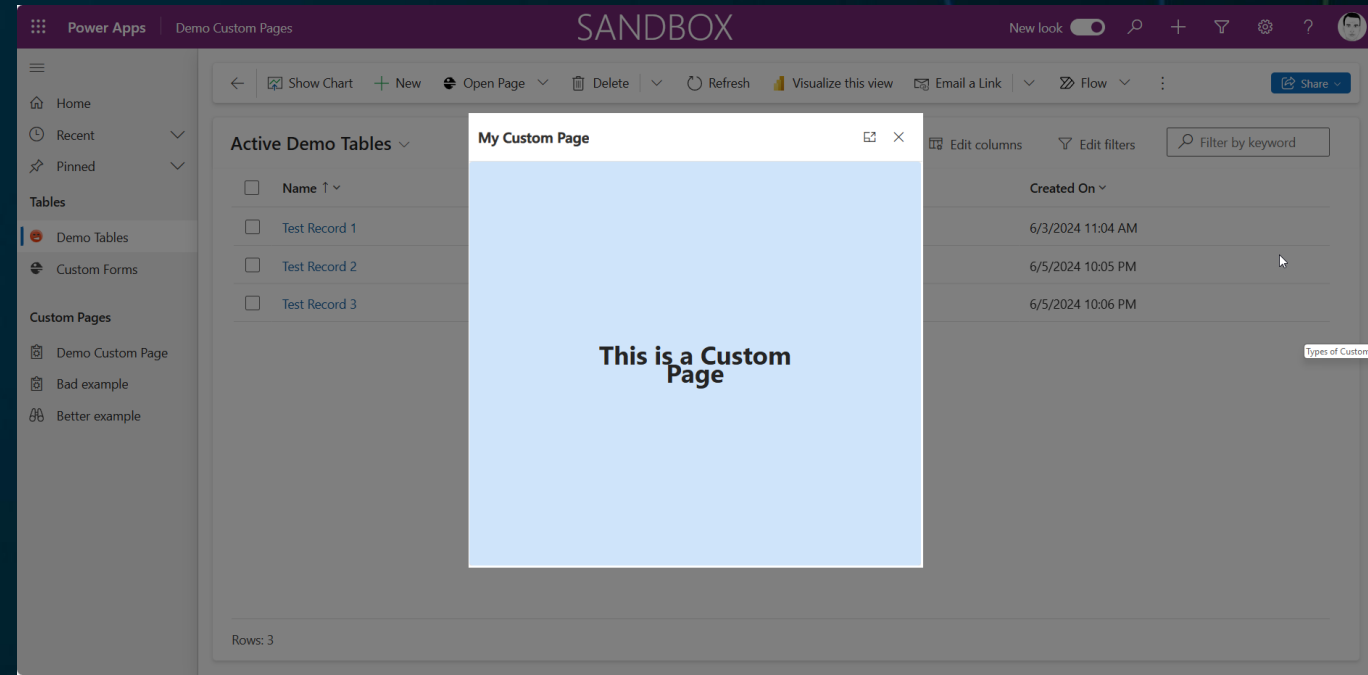
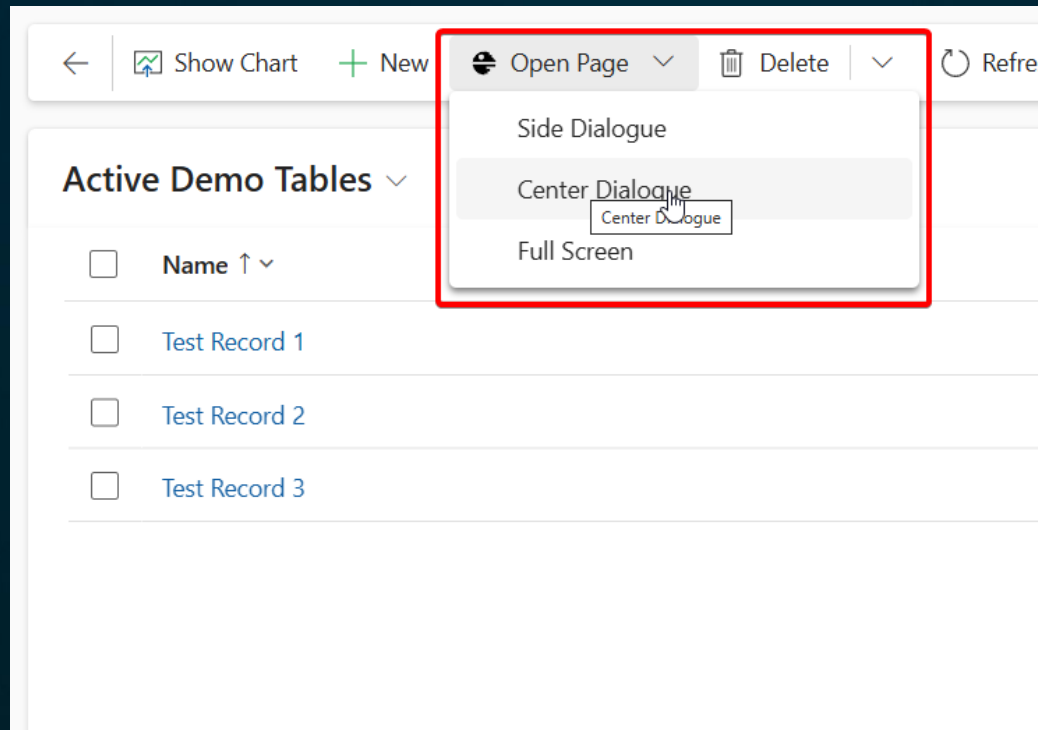


Navigation



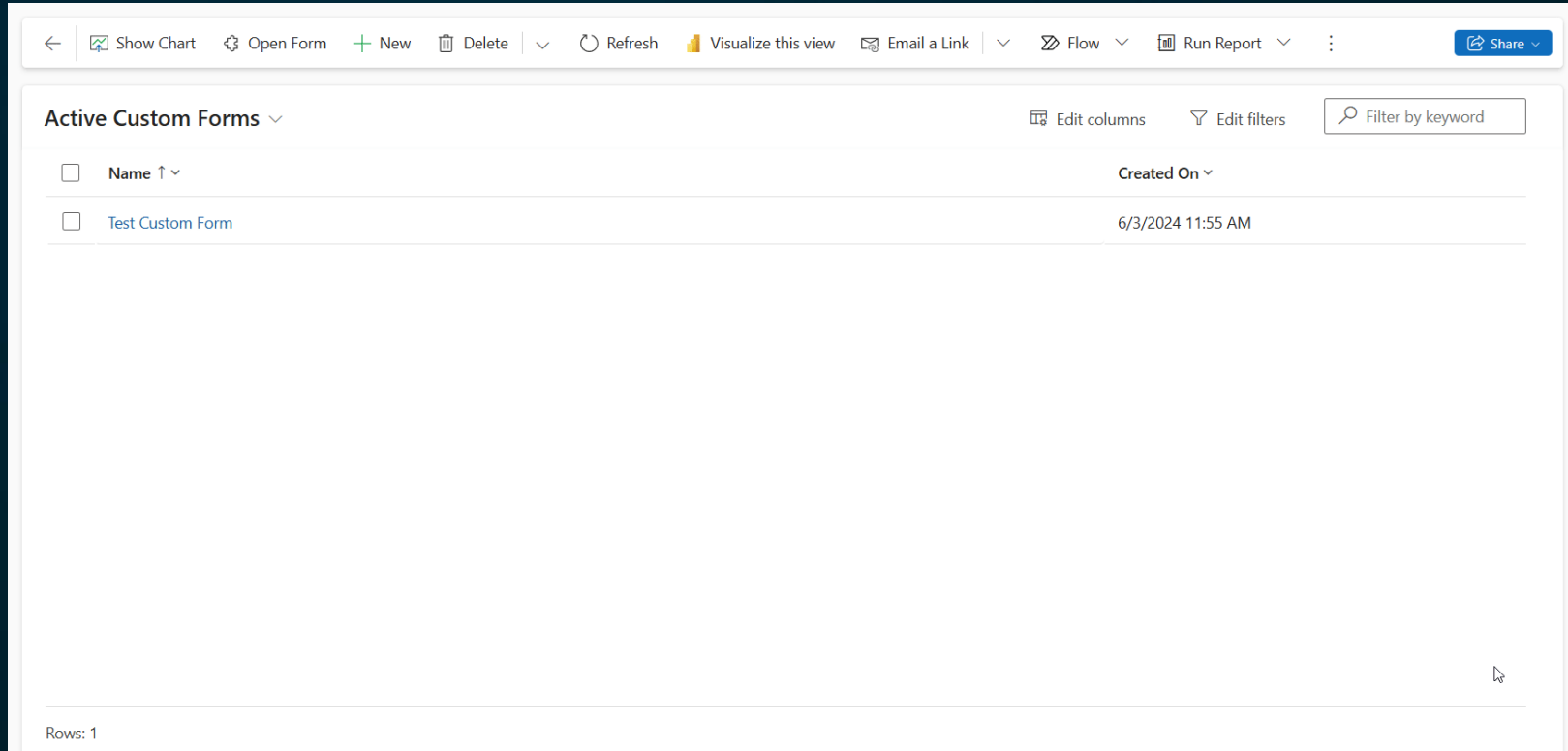
- In-product: Just click “Add page -> Custom page”

Dialogue from button



- Via command bar and a JS web resource
- Video by Reza Dorrani: <https://www.youtube.com/watch?v=XMopL0r8k3k>
- The web resource I use: <https://github.com/PowerRobin/ModelDrivenAppCodeSamples/blob/main/CustomPageAsDialogue/openPage.js>
- Visit Sara & Mats Session tomorrow, they will talk more about this

Dialogue from grid



The screenshot shows a web application interface with a top navigation bar and a main content area. The navigation bar includes buttons for 'Show Chart', 'Open Form', 'New', 'Delete', 'Refresh', 'Visualize this view', 'Email a Link', 'Flow', 'Run Report', and 'Share'. The main content area is titled 'Active Custom Forms' and contains a table with two columns: 'Name' and 'Created On'. The table has one row with the value 'Test Custom Form' and the timestamp '6/3/2024 11:55 AM'. The interface also includes a search bar and a 'Filter by keyword' button.

Name ↑	Created On
Test Custom Form	6/3/2024 11:55 AM

Rows: 1

- JS web resource via Ribbon Workbench
- Video by Mr Green Hair: <https://www.youtube.com/watch?v=99uU5gGN15w>

Inside MDA forms

The screenshot shows a web application interface for a 'Test Record 1'. The top navigation bar includes icons for back, list, and share, along with buttons for 'Open Custom Page', 'Delete', 'Deactivate', 'New', and 'Share'. Below the navigation bar, the title 'Test Record 1 - Saved' is displayed, followed by 'Demo Table · Demo Table main form'. A tabbed interface shows 'General', 'Custom Page', and 'Related' tabs, with 'General' currently selected. The main content area features a 'Name' field with a red asterisk and a value of 'Test Record 1'. To the right of the field is a large blue rectangular area with the text 'This is a Custom Page'.

This screenshot shows the same web application interface as the previous one, but with the 'Custom Page' tab selected. The 'Name' field is no longer visible, and the large blue area now contains the text 'This is a Custom Page'.

- HTML web resource

<https://github.com/PowerRobin/ModelDrivenAppCodeSamples/tree/main/EmbedCanvasApp>

Examples

Let's take the boring MDA..



Examples

Let's take the boring MDA ...

... and spice it up a bit!



Examples – Invoice Creation

Power Apps | Abrechnung | SANDBOX

Overview

R2Power Overview

Customers

- Accounts
- Contacts

Projects

- tasks
- invoiceactivities

Billing

- invoices
- Create invoice

Active invoices

- invoicenumber ↓
- 4001
- 3007
- 3006
- 3005
- 3004
- 3003
- 3003
- 3002
- 3001
- 3000

Abrechnungspositionen

Select Account

- Select Activities
- Create Invoice
- Send Invoice
- Payment Received

Account Name	# Open Activities	Net Amount
Account 2	2	285 €
Demo Account	1	2500 €

Next Step

Rows: 10

Created On

- 4/16/2024 10:24 AM
- 12/30/2023 10:53 PM
- 8/16/2023 5:44 PM
- 8/7/2023 10:21 PM
- 8/7/2023 2:27 PM
- 8/7/2023 2:11 PM
- 8/7/2023 2:16 PM
- 8/7/2023 2:08 PM
- 8/7/2023 2:06 PM
- 8/7/2023 2:03 PM

#EPPC24



Examples – From web scraped data to Sales opportunities

The screenshot shows the HUBBLE web application interface. The top navigation bar includes 'Dynamics 365', 'Kommunale Beziehungen', and a search bar. The main content area is titled 'HUBBLE' and features a grid of news articles. The articles are categorized by municipality (Adelmannsfelden, Aach, Achberg) and date (June 2024). Each article snippet includes a title, a brief description, and a list of tags (e.g., 'Energieversorgung', 'Elektrizitätsversorgung', 'Solarenergie'). The interface also includes a sidebar with navigation options like 'Startseite', 'Letzte', 'Angeheftet', 'Aktuelles', 'Dashboards', 'Aktivitäten', 'Handbücher', 'Ankündigungen', 'Kunden', 'Personen', 'Kontakte', 'Gremien', 'Beteiligungen', 'Mitgliedschaften', 'Haushaltspläne', 'Vertrieb', 'Leads', 'Verkaufschancen', 'Leistungspartner...', and 'Betriebsführungen'.

The screenshot shows the 'Verkaufschance anlegen' (Create Sales Opportunity) form in Dynamics 365. The form is a modal window with a close button (X) in the top right corner. It contains the following fields:

- Thema ***: A text field containing 'Gemeinde Adelmannsfelden | Das Rathaus informiert |'.
- Beschreibung ***: A text area containing 'Juni 2024 Artikel weiterlesen Photovoltaik-Informationsveranstaltung Artikel weiterlesen Öffentliche Bekanntmachung der Kommunalwahl und der Europawahl am 9.'.
- Kunde ***: A dropdown menu with 'Find items' and a downward arrow.
- Standort**: A dropdown menu with 'Find items' and a downward arrow.
- Datum der Qualifikation ***: A date picker showing '6/3/2024'.
- Vorauss. Abschlussdatum ***: A date picker showing '11/30/2024'.
- Besitzer ***: A dropdown menu with 'Rosengrün, Robin' and a downward arrow.
- Vorauss. Auftragseingang netto (€) ***: A text field.
- Leistungspartner ***: A dropdown menu with a downward arrow.
- Abschlusswahrscheinlichkeit ***: A dropdown menu with a downward arrow.
- Produkt ***: A dropdown menu with a downward arrow.

At the bottom right of the form is a blue button labeled 'Verkaufschance anlegen'.

Examples – Import Excel files

Power Apps | ContraA SANDKASTEN

Vorgänge aus IBau importieren

Bitte wähle die Datei und den Vorgangstyp aus. Die Datei muss auf einem lokalen oder persönlichen Verzeichnis liegen.
Der iBau-Import dauert etwa 10 Minuten. Du erhältst eine e-mail, wenn der Import abgeschlossen ist.

Vorgangstyp
Industrie

Exceldatei
ImportFranda.xlsx Nicht gespeichert

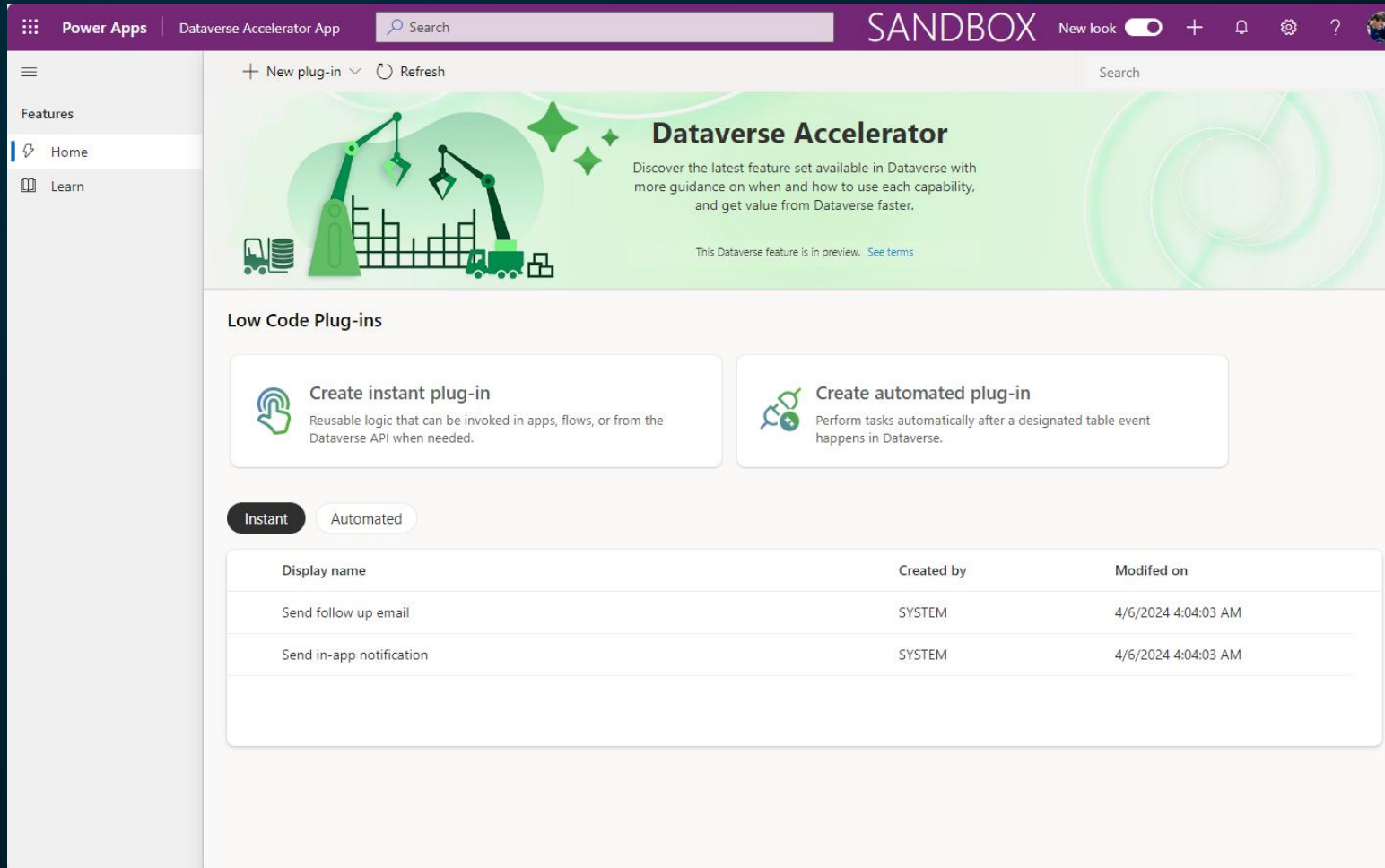
Import starten

#EPPC24



BRUSSELS2024

Examples – EVERY APP FROM POWER CAT



Power Apps | Dataverse Accelerator App | Search | SANDBOX | New look | + | ? |

Dataverse Accelerator

Discover the latest feature set available in Dataverse with more guidance on when and how to use each capability, and get value from Dataverse faster.

This Dataverse feature is in preview. [See terms](#)

Low Code Plug-ins

Create instant plug-in
Reusable logic that can be invoked in apps, flows, or from the Dataverse API when needed.

Create automated plug-in
Perform tasks automatically after a designated table event happens in Dataverse.

Instant | Automated

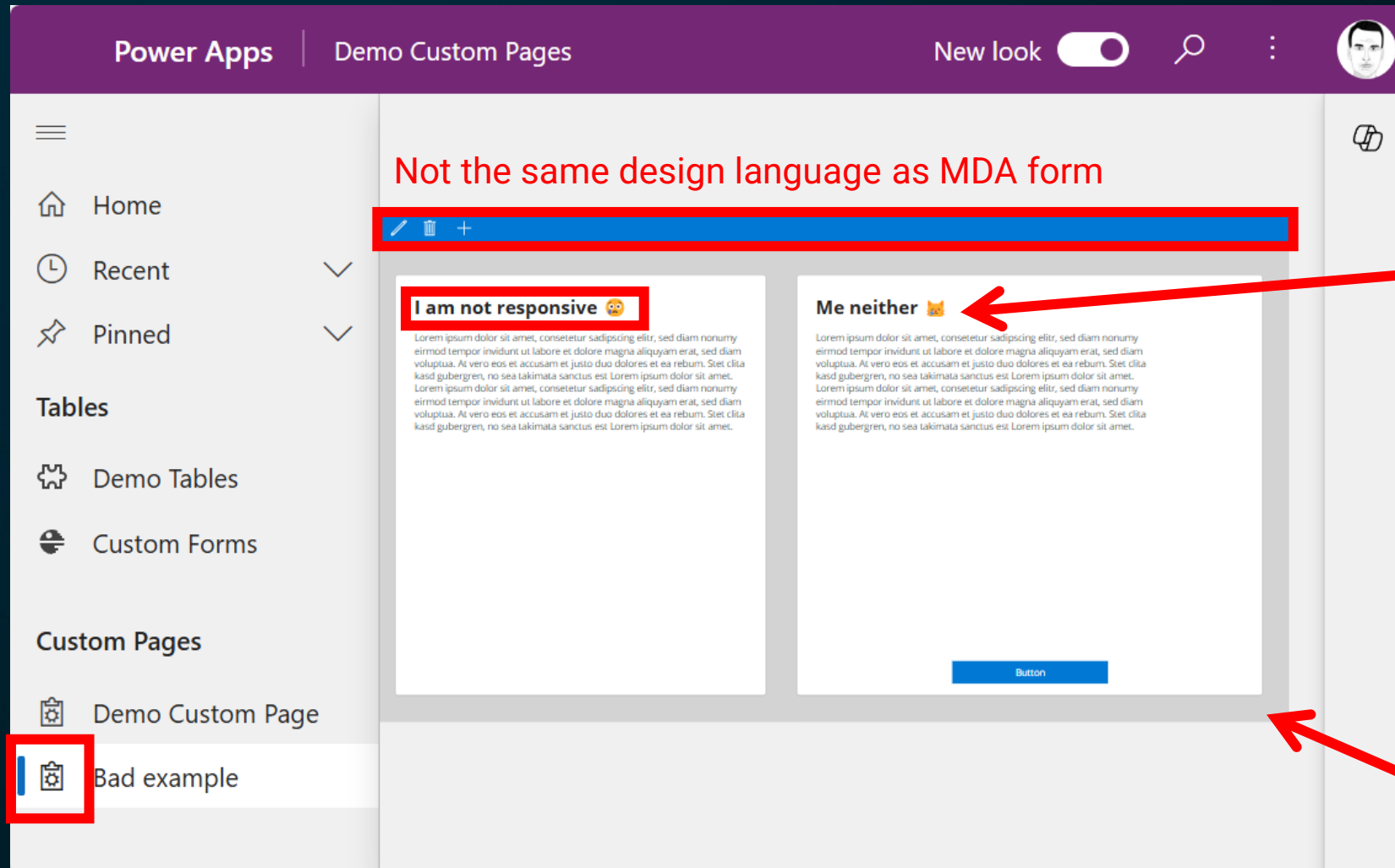
Display name	Created by	Modified on
Send follow up email	SYSTEM	4/6/2024 4:04:03 AM
Send in-app notification	SYSTEM	4/6/2024 4:04:03 AM

When to use Custom Pages

- Advanced Logic with Power FX instead of JS / Plugins
- PCF for unique User Experience
- Communicate with external APIs
- Connect to M365
- Trigger Power Automate

BUT: Code is still the best solution for some problems!

Bad example



No icon

Not the same design language as MDA form

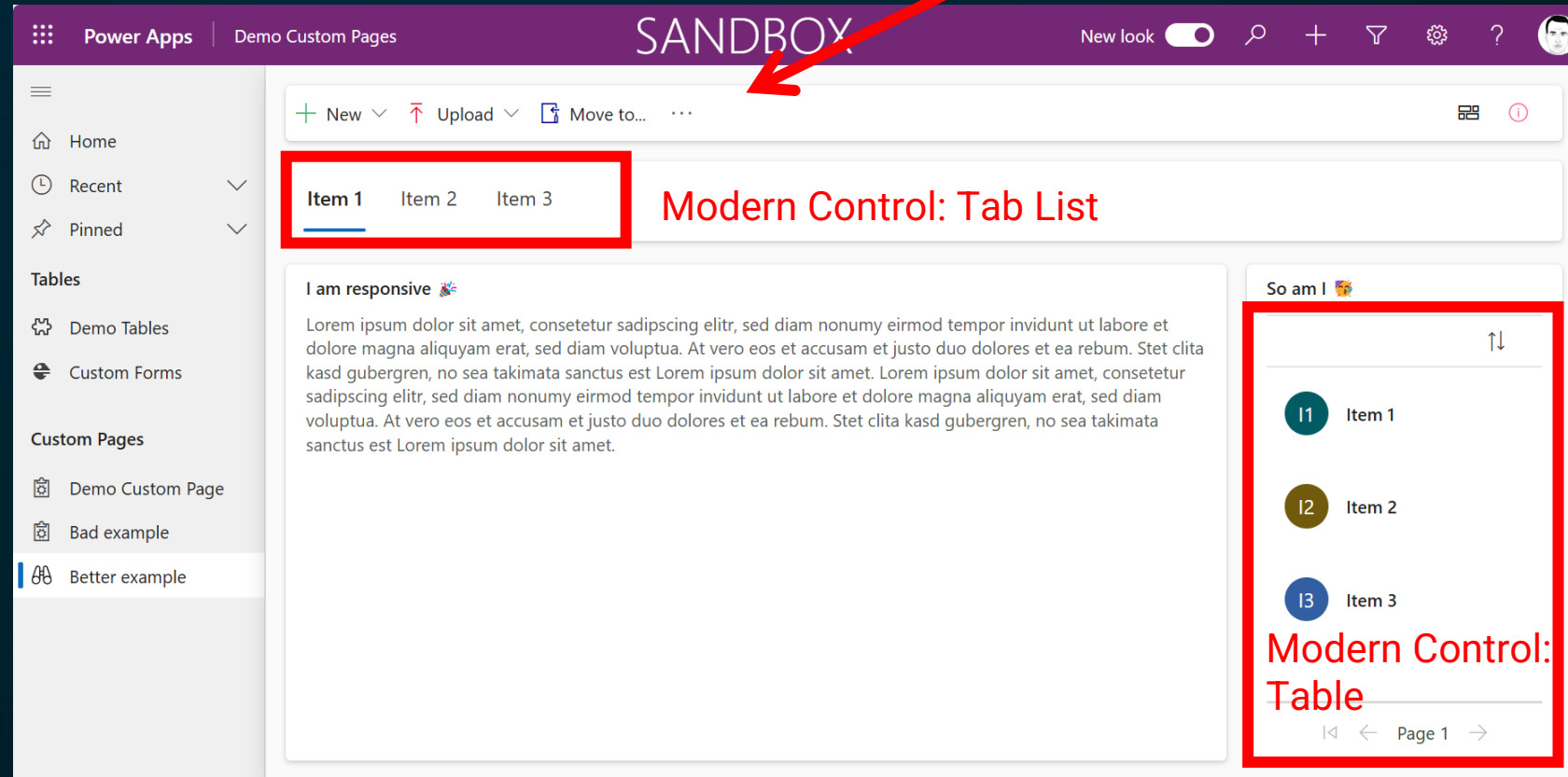
Wrong font
and headers
too big

Wrong color

Better example

Creator Kit "Command Bar"

<https://learn.microsoft.com/en-us/power-platform/guidance/creator-kit/commandbar>

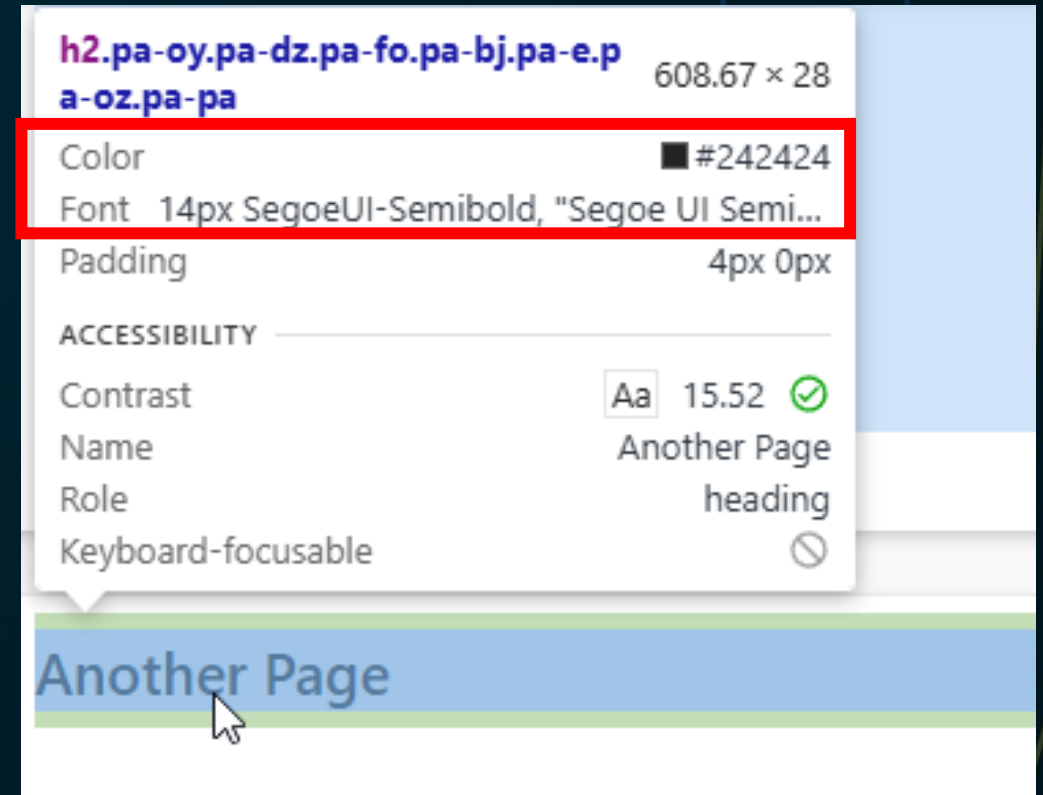
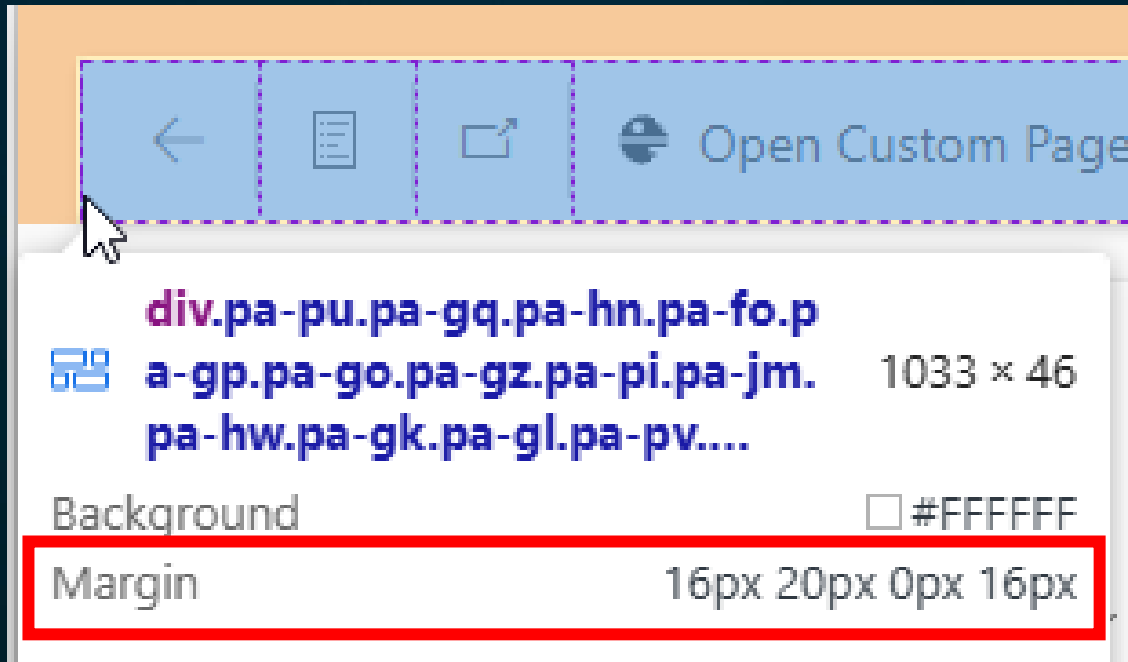


Font Segoe UI 14 px
color #242424
Semi bold for headers

Background color:
#fafafa

Responsive with Containers, containers, containers
Space between: 16 px; DropShadow: Semilight
This simple demo page contains 7 different containers!

Use your Browsers dev tools if you want to get it right



My wishlist

- Bring all the ways of using Custom Pages directly into the product without the need for a single line of JS code!
- Get context of Model Driven App in the Designer (Current Record, Theme, Dark/Light Mode)
- Keep investing in Modern Controls (Bugfixing, bring Creator Kit into the product)



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PLEASE RATE THIS
SESSION ON THE APP

