



Power Pages: The Ultimate Beginner's Guide

Nick Doelman

Nick Doelman

Power Platform Specialist | Trainer | Speaker | AI Explorer

nick@readybms.com

nickdoelman.com

[/in/nickdoelman/](https://in/nickdoelman/)

[@readyxrm.bsky.social](https://readyxrm.bsky.social)

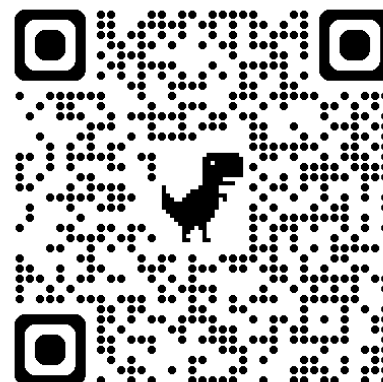
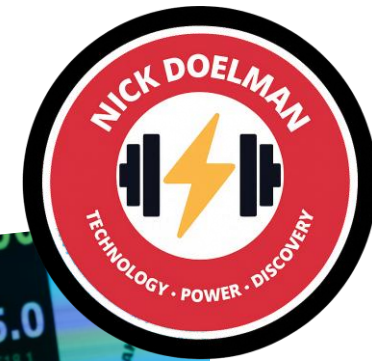
[@readyxrm](https://readyxrm)

MVP

MCT

Podcaster

Powerlifter



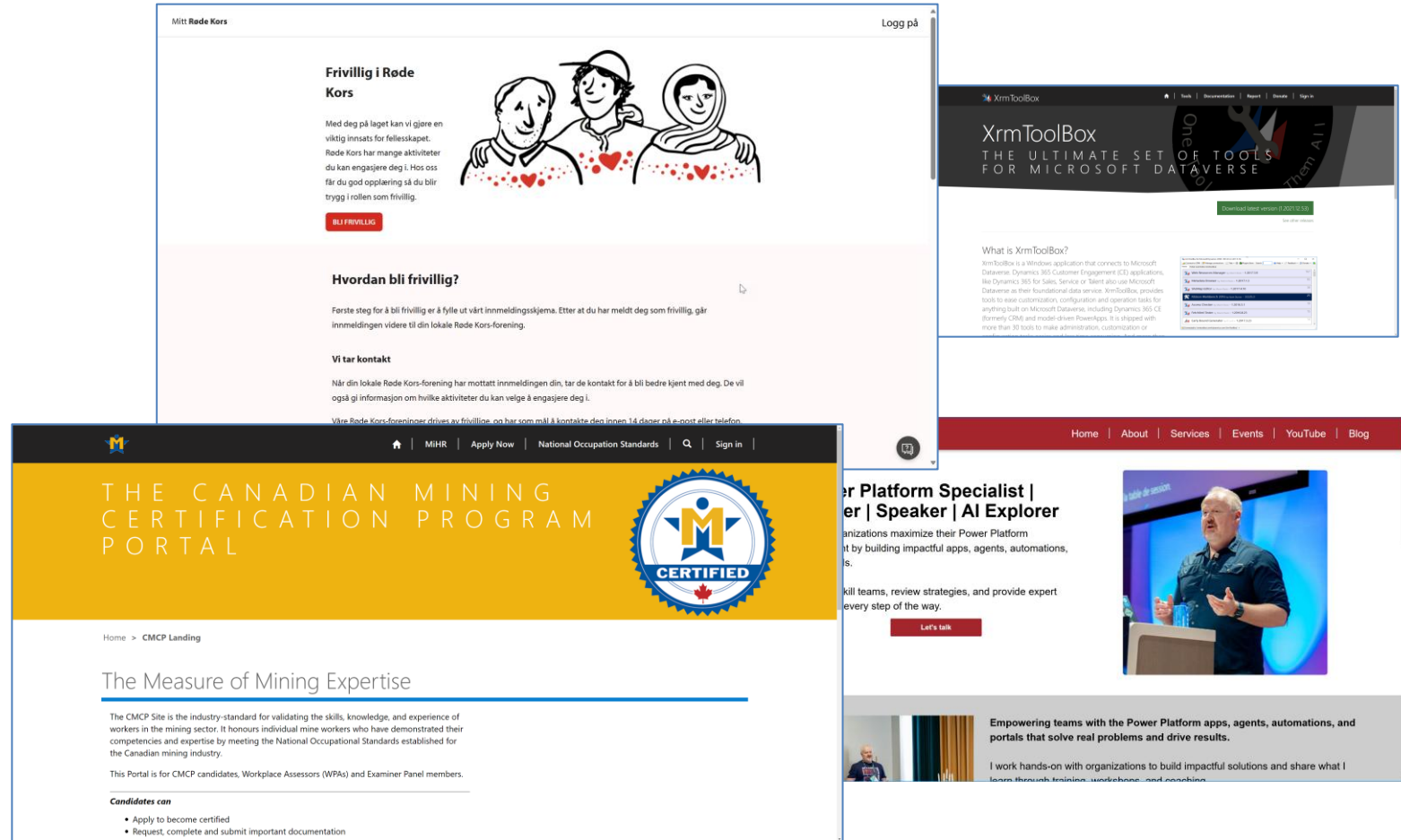
Can I get a copy of the slides? YES! 🙌

<https://github.com/readyxrm/m365ottawa2025>



What are Power Pages?

- Platform to build websites, web applications and mobile apps
- **It IS Power Apps portals**
- Suite of tools and templates
- Allows external stakeholders to interact (create, read, update, delete) data in Dataverse
- Can be component in an overall business application or standalone

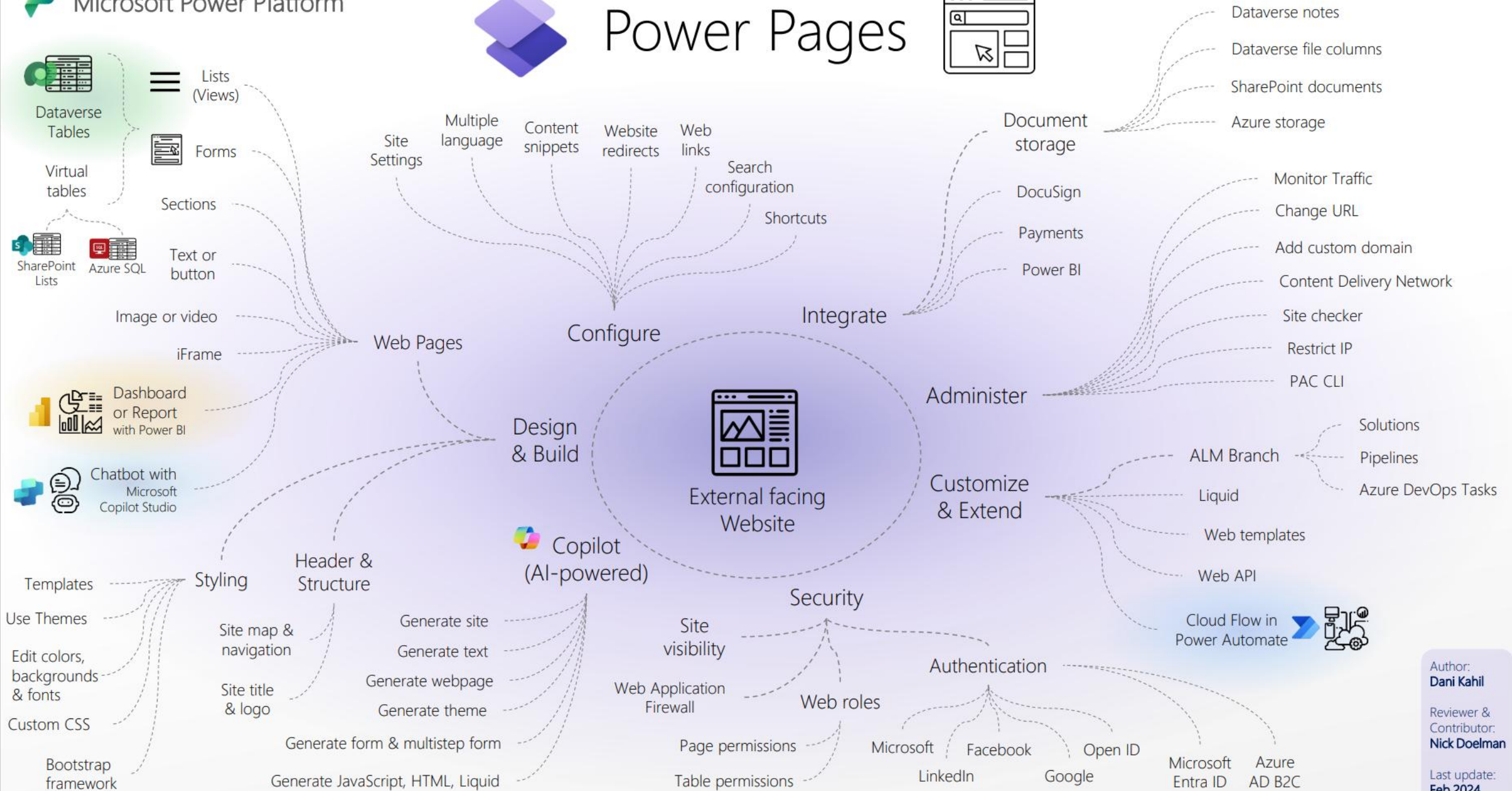
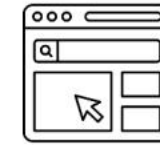




Microsoft Power Platform



Power Pages



Power Pages runs on Dataverse!

Site metadata is stored in Dataverse.

Page components and pro-dev features access business data stored in Dataverse.

Dataverse model-driven app forms & views used as foundation for page forms and lists.

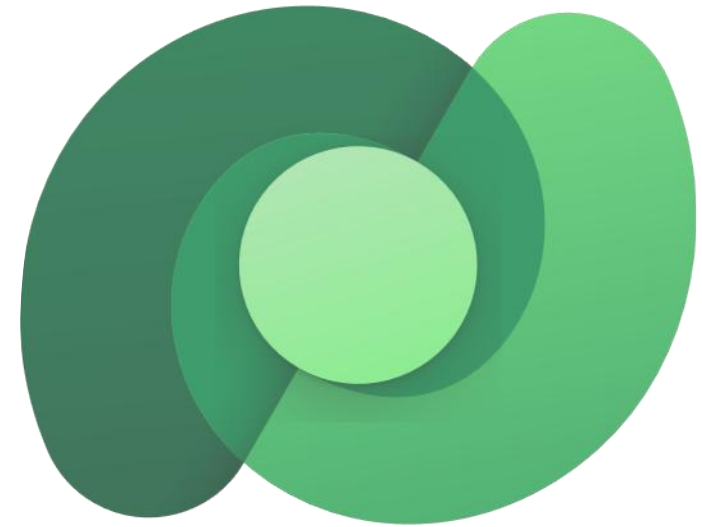
Dataverse contacts = site users (coming -> system users)

Can extend sites with other Dataverse capabilities like plug-ins, SharePoint integration and others.

SharePoint Lists, Azure SQL tables and other data sources can be accessed via virtual tables

Can call Power Automate flows

DocuSign and Stripe integrations (preview)



Power Pages licensing

Power Pages authenticated users

per website¹

\$200.00

100 users/site/month

Buy now

Give users access to low-code business websites with authenticated access².

Authenticated users per website is an ideal plan for businesses that want predictable costs and scalability. Features include:

- Access to low-code business websites with authenticated access
- Built-in content delivery network support
- Dataverse storage⁴ (2GB database capacity and 16GB file capacity per subscription plan)

Power Pages anonymous users

per website¹

\$75.00

500 users/site/month

Buy now

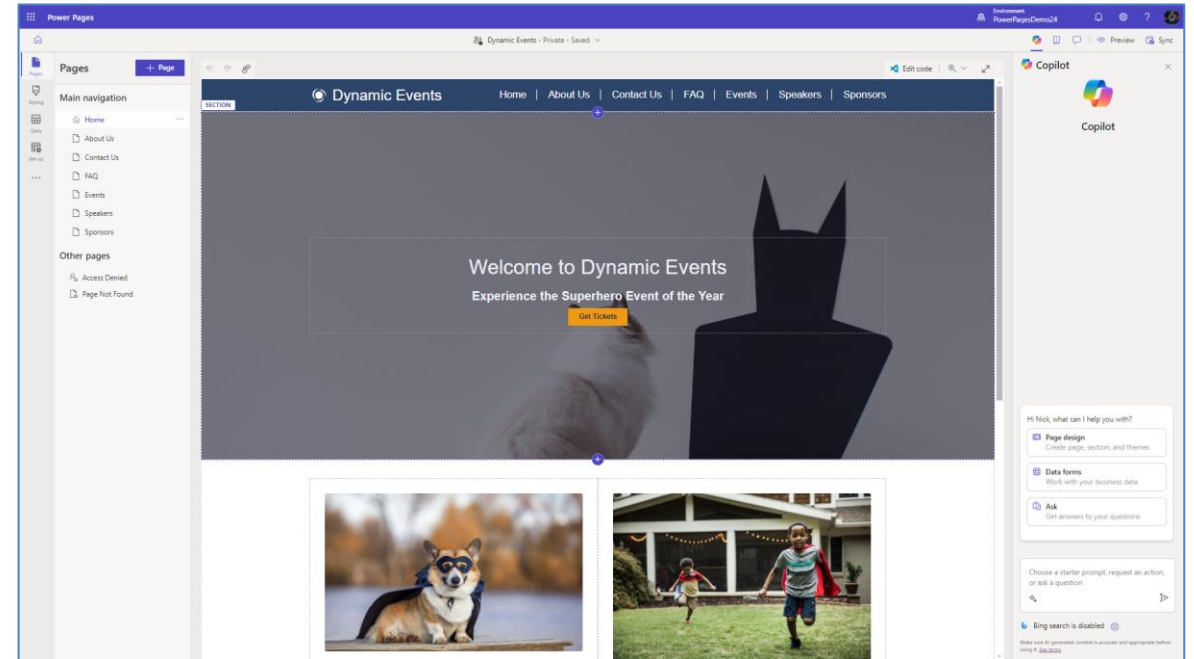
Allow users to browse low-code business websites anonymously³.

Anonymous users per website is the ideal plan for businesses that want to enable users to browse their site anonymously. Features include:

- Built-in content delivery network support
- Dataverse storage⁵ (0.5GB database capacity and 4GB file capacity per subscription plan)

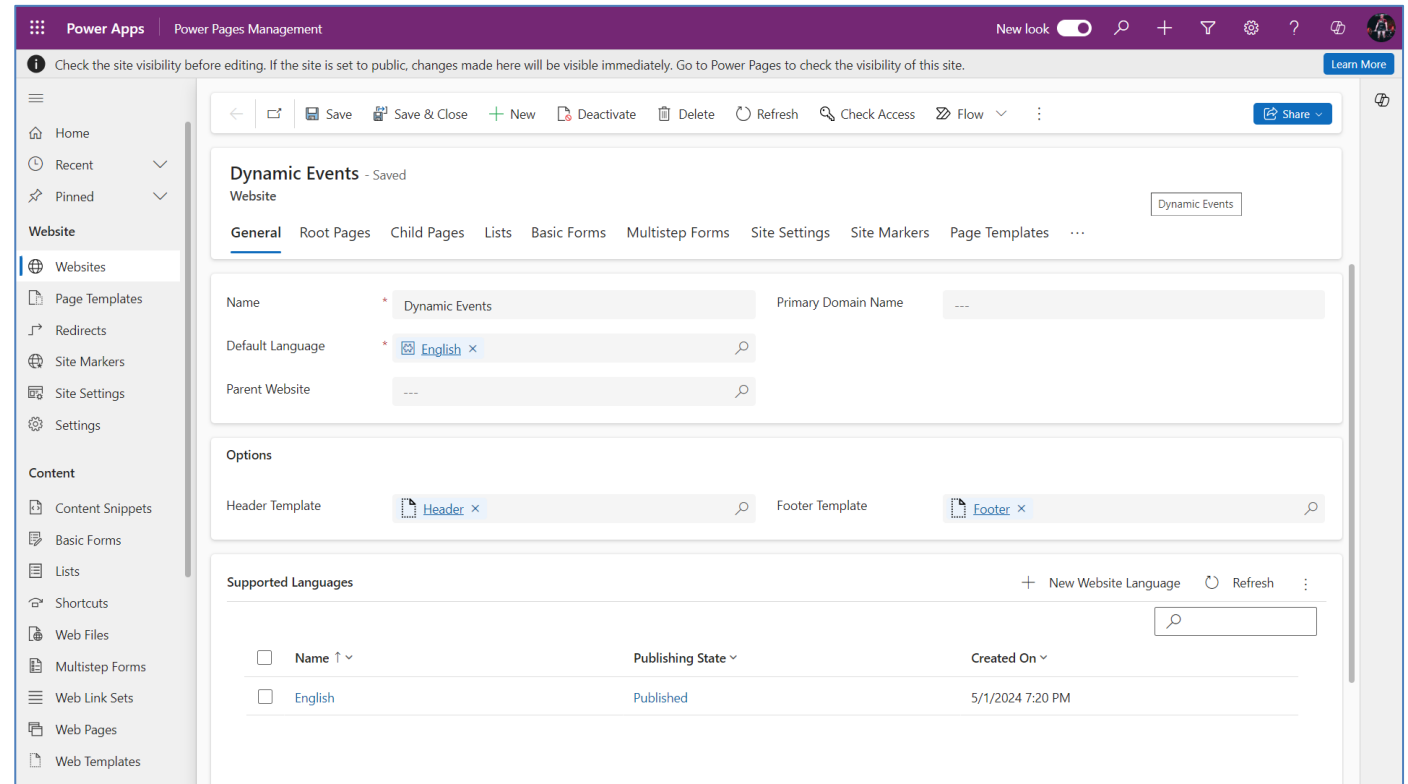
Power Pages design studio

- Workspaces:
 - Pages workspace
 - Styling workspace
 - Data workspace
 - Setup workspace
 - Security workspace
- + Copilots
- + view code in Visual Studio Code web



Power Pages management app

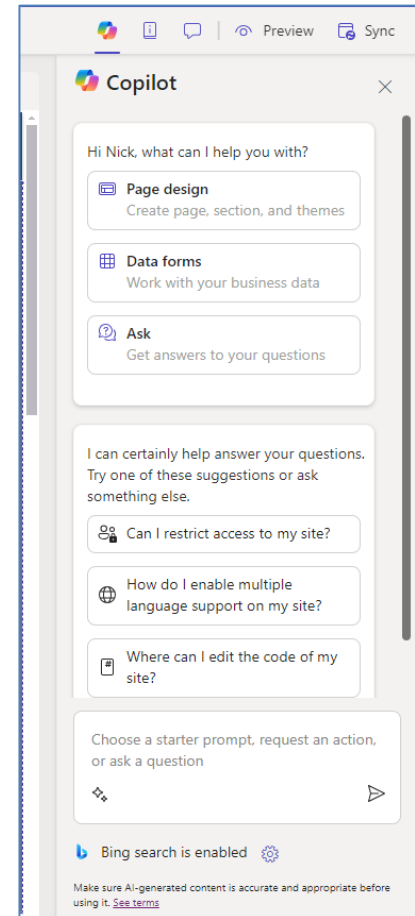
- Know this app!
- Website metadata stored in Dataverse
- App allows deeper customization, not available in design studio



Did someone say “Copilot” ?

Power Pages has several built in copilots;

- Create a site
- Create a webpage
- Create a form
- Add AI-text
- Add AI-powered chatbot
- Generate answers from public data
- Add AI-generated code
- Copilot FAQs



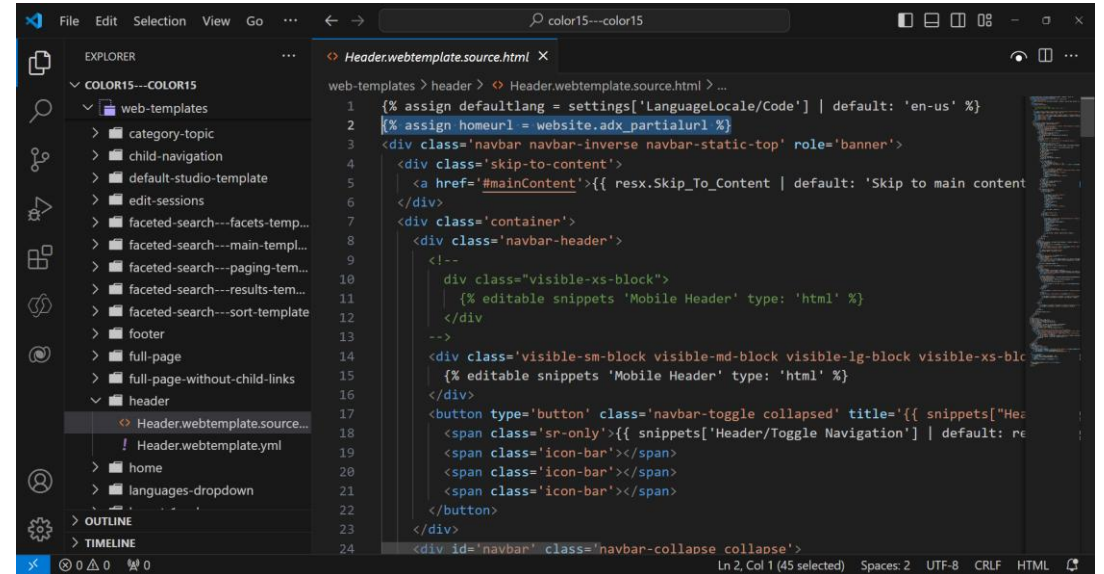
Remember “Copilot”, not pilot!

- Evaluate the content and information generated by Copilot.
- Copilot is still learning, like a child, we are amazed at what it can do... but...
- Human touch still beats AI generated content (my opinion)
- Constantly evolving



Power Pages is pro-developer friendly!

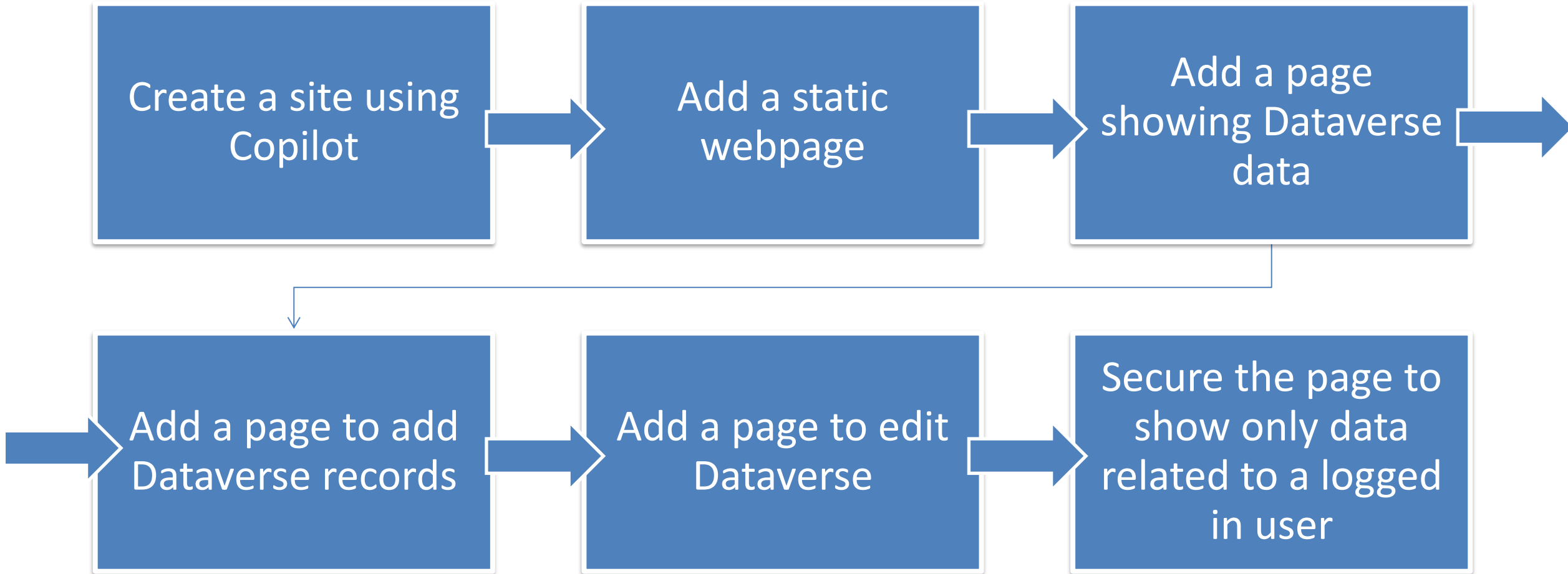
- Full pro-developer experience
- Well suited to fusion teams
- Collaboration experiences
- Use tools like Visual Studio code
- Create and update portal code (HTML, CSS, Liquid, JavaScript)
- Build web template components
- ALM capable (solutions, pipelines)
- Extend using portal Web API
- Use @powerpages in GitHub Copilot to create code
- **NEW! Add React Single Page Applications**



```
1 {% assign defaultlang = settings['LanguageLocale/Code'] | default: 'en-us' %}  
2 {% assign homeurl = website.adx_partialurl %}  
3 <div class='navbar navbar-inverse navbar-static-top' role='banner'>  
4   <div class='skip-to-content'>  
5     <a href='#mainContent'>{{ resx.Skip_To_Content | default: 'Skip to main content'  
6   </div>  
7   <div class='container'>  
8     <div class='navbar-header'>  
9       <!--  
10        div class="visible-xs-block">  
11          {% editable snippets 'Mobile Header' type: 'html' %}  
12        </div>  
13      -->  
14      <div class='visible-sm-block visible-md-block visible-lg-block visible-xs-blc  
15        {% editable snippets 'Mobile Header' type: 'html' %}  
16      </div>  
17      <button type='button' class='navbar-toggle collapsed' title='{{ snippets["Hea  
18        <span class='sr-only'>{{ snippets['Header/Toggle Navigation'] | default: re  
19        <span class='icon-bar'></span>  
20        <span class='icon-bar'></span>  
21        <span class='icon-bar'></span>  
22      </button>  
23    </div>  
24    <div id='navbar' class='navbar-collapse collapse'>
```

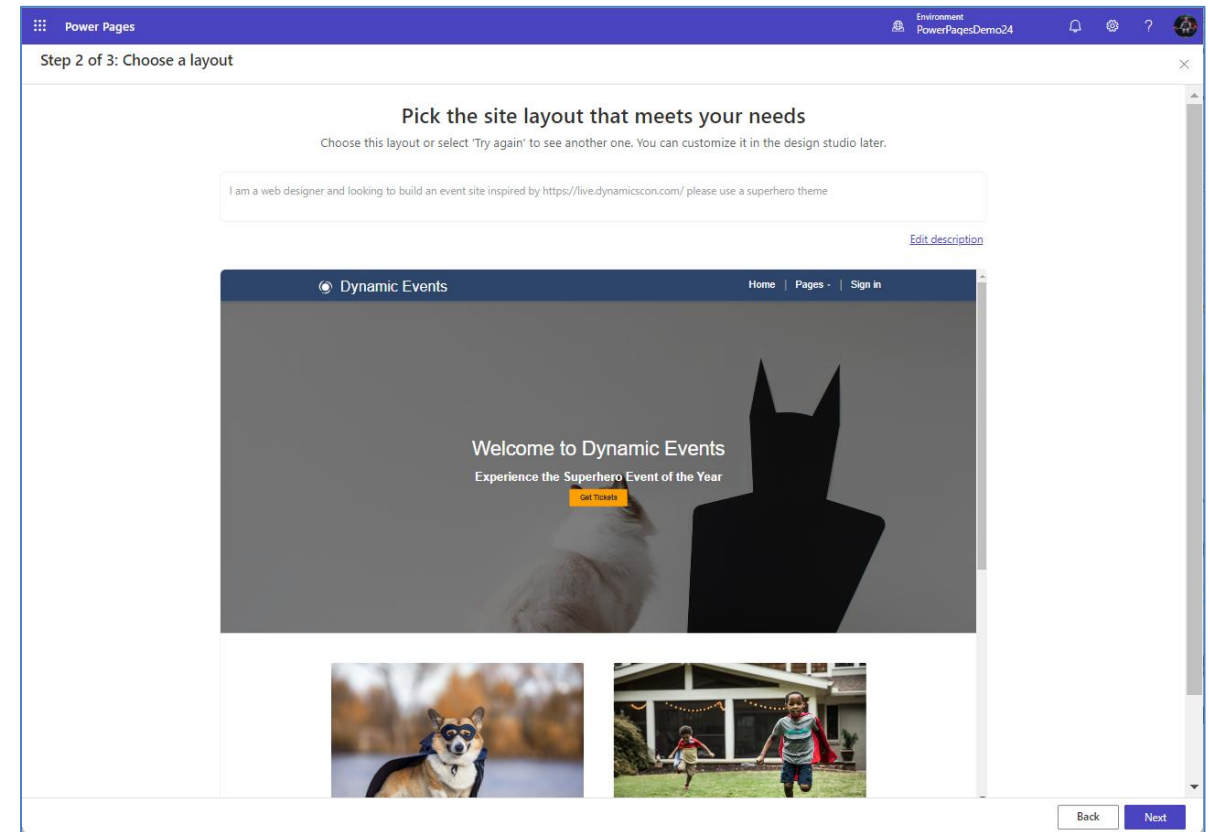
DEMO

Demo scenario: Build an event site!



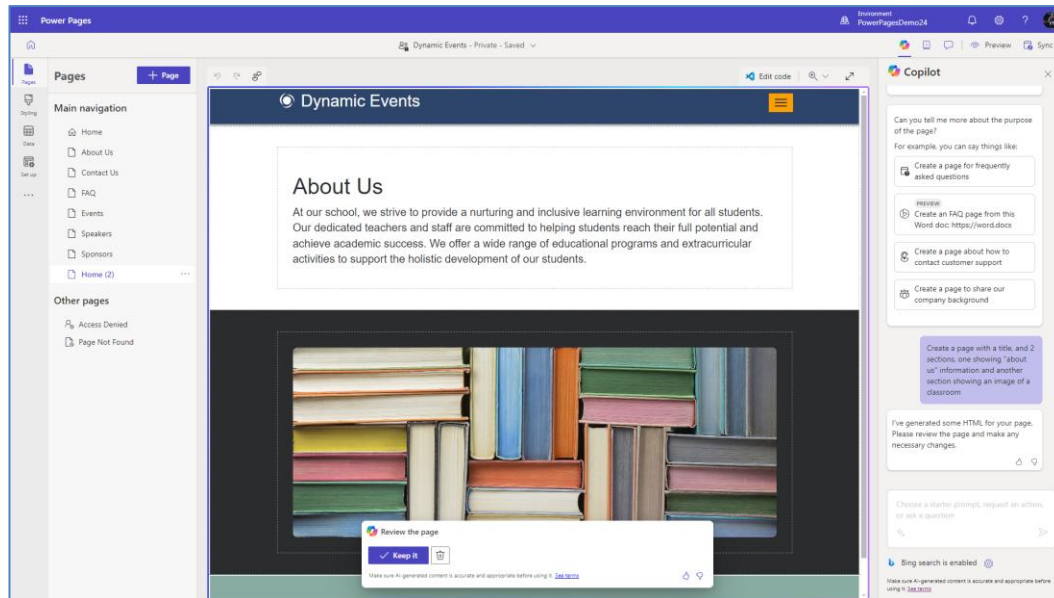
Demo: Create a site

- Go to:
make.powerpages.Microsoft.com
- Choose an **environment**
(developer works great!)
- Microsoft Dataverse is required!
- Avoid provisioning on
production until you are ready!!!
- Use copilot, use a template or
start from blank

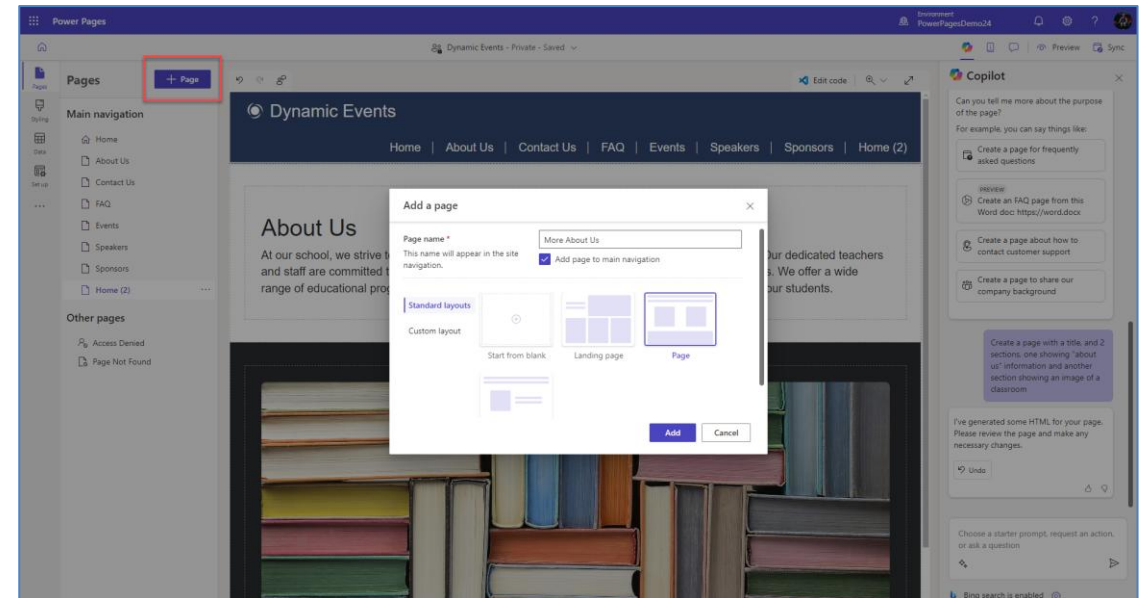


Demo: Add a webpage

- Copilot



- Manual



Demo: Page with Dataverse records

- Create a view
- Add a page
- Add a list
- Add table permissions
- Preview!

This site is private: Only specific people can view this site. [Learn more](#) Signed in as Nick D

Dynamic Events

Home | About Us | Contact Us | FAQ | Events | Speakers | Sponsors | Home (2) | Sessions | Nick D

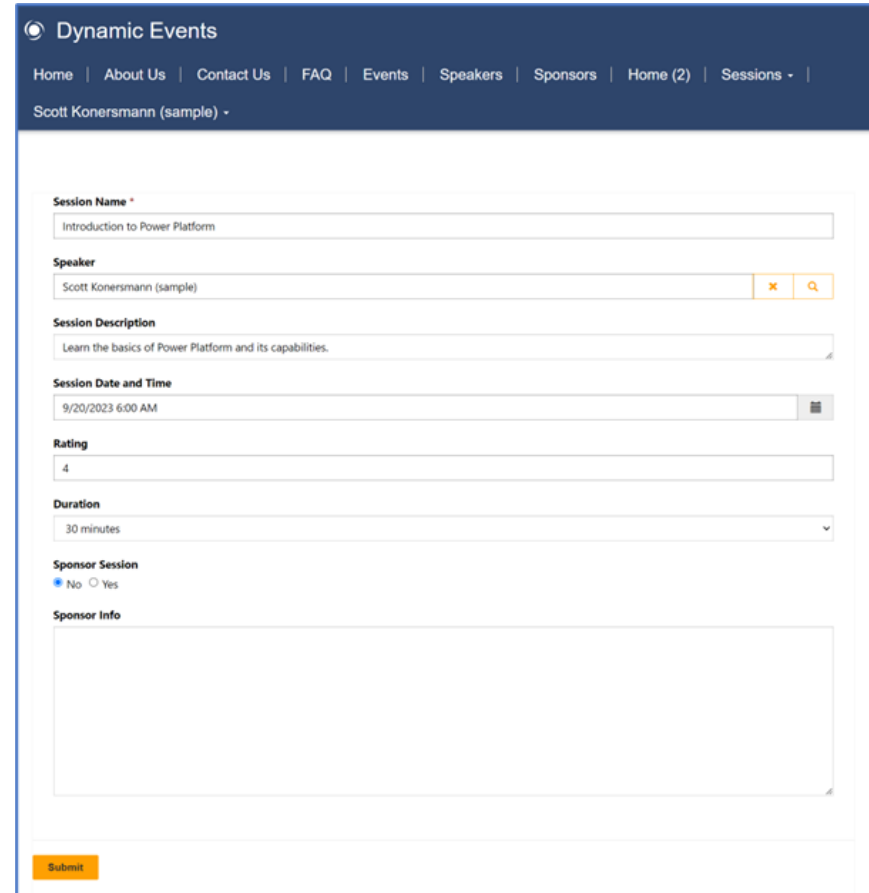
Event Sessions

Website - Sessions | Search

Session Name	Session Description	Session Date and Time	Duration	Speaker
Introduction to Power Platform	Learn the basics of Power Platform and its capabilities.	2023-09-20T10:00:00Z	30	Scott Konersr (sample)
Power Apps Advanced Features	Explore advanced features of Power Apps for building custom solutions.	2023-10-05T14:30:00Z	45	Nancy Anders (sample)
Power BI Data Visualization	Master the art of data visualization with Power BI.	2023-11-15T09:15:00Z	60	Yvonne McKay (sample)
Power Automate Workflow Automation	Automate your business processes using Power Automate.	2023-09-25T11:45:00Z	30	Scott Konersr (sample)
Power Platform for Business Analysts	Empower business analysts with the Power Platform tools.	2023-10-12T16:00:00Z	45	Nancy Anders (sample)
Power Platform Security Best Practices	Ensure the security of your Power Platform applications.	2023-11-30T13:30:00Z	60	Yvonne McKay (sample)

Demo: Add or Edit Dataverse records

- Create a form
- Add a page
- Add a form
- Modify/add table permissions
- Preview!



The screenshot shows a web application interface for 'Dynamic Events'. The header is dark blue with the title 'Dynamic Events' and a navigation menu: Home | About Us | Contact Us | FAQ | Events | Speakers | Sponsors | Home (2) | Sessions. Below the header, the user 'Scott Konersmann (sample)' is logged in. The main form area is white and contains several fields: 'Session Name' with the value 'Introduction to Power Platform'; 'Speaker' with the value 'Scott Konersmann (sample)'; 'Session Description' with the value 'Learn the basics of Power Platform and its capabilities.'; 'Session Date and Time' with the value '9/20/2023 6:00 AM'; 'Rating' with the value '4'; 'Duration' with the value '30 minutes'; 'Sponsor Session' with radio buttons for 'No' (selected) and 'Yes'; and 'Sponsor Info' with a large empty text area. A blue 'Submit' button is at the bottom right.

Dynamic Events

Home | About Us | Contact Us | FAQ | Events | Speakers | Sponsors | Home (2) | Sessions

Scott Konersmann (sample)

Session Name *

Introduction to Power Platform

Speaker

Scott Konersmann (sample)

Session Description

Learn the basics of Power Platform and its capabilities.

Session Date and Time

9/20/2023 6:00 AM

Rating

4

Duration

30 minutes

Sponsor Session

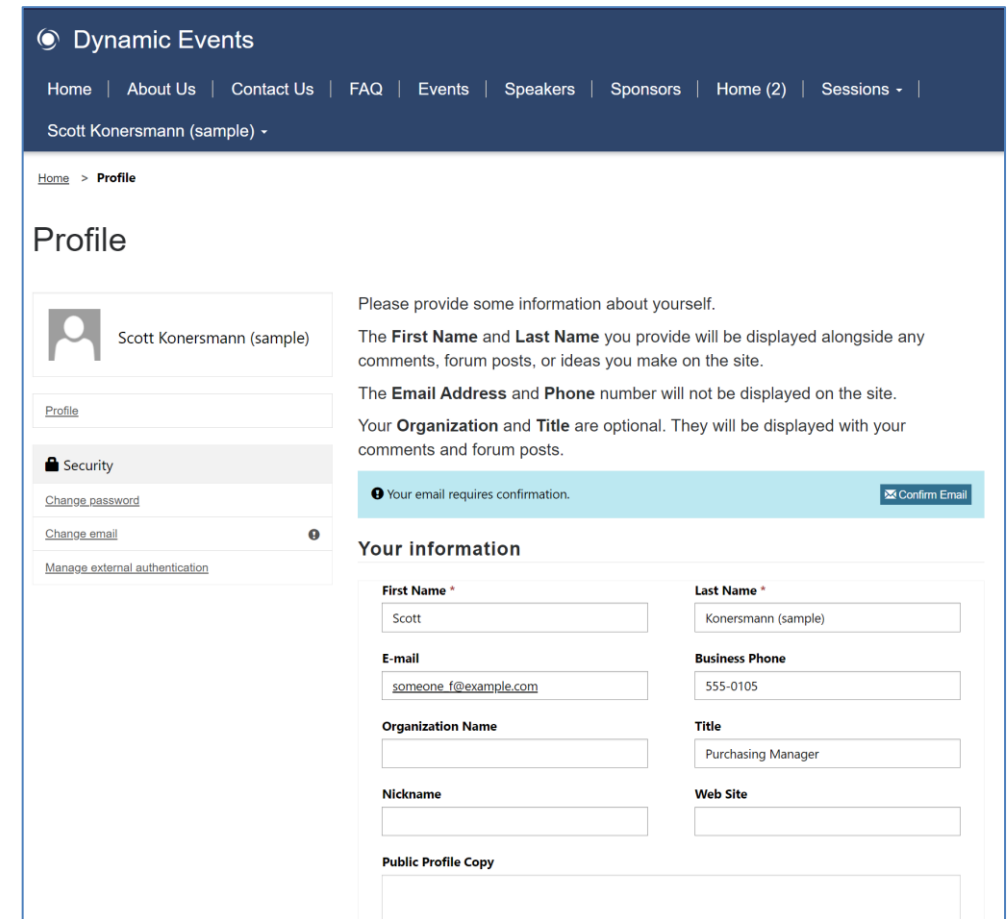
☒ No ☐ Yes

Sponsor Info

Submit

Demo: Register user

- Power Pages website users are Dataverse contacts
- Can register as a new user or be invited
- Use external authentication providers!
- COMING SOON – portal users will also have system user records -> Dataverse security roles



The screenshot shows a web application interface for 'Dynamic Events'. The top navigation bar includes links for Home, About Us, Contact Us, FAQ, Events, Speakers, Sponsors, Home (2), and Sessions. Below the navigation bar, the user's name 'Scott Konersmann (sample)' is displayed. The main content area is titled 'Profile' and contains a sidebar with links for Profile, Security, Change password, Change email, and Manage external authentication. The main content area includes a profile picture placeholder, a text input field for the name, and a section for 'Your information' with fields for First Name, Last Name, E-mail, Business Phone, Organization Name, Title, Nickname, Web Site, and Public Profile Copy. A blue banner at the bottom of the main content area states 'Your email requires confirmation.' with a 'Confirm Email' button.

Dynamic Events

Home | About Us | Contact Us | FAQ | Events | Speakers | Sponsors | Home (2) | Sessions ▾

Scott Konersmann (sample) ▾

Home > Profile

Profile

Please provide some information about yourself.

The **First Name** and **Last Name** you provide will be displayed alongside any comments, forum posts, or ideas you make on the site.

The **Email Address** and **Phone** number will not be displayed on the site.

Your **Organization** and **Title** are optional. They will be displayed with your comments and forum posts.

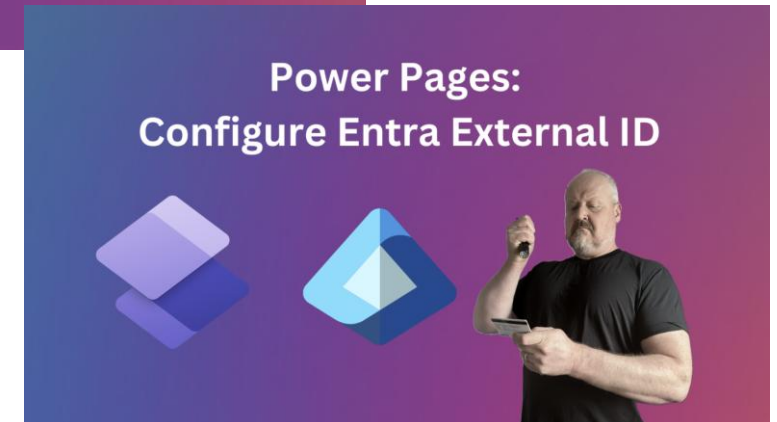
Your information

First Name *	Last Name *
<input type="text" value="Scott"/>	<input type="text" value="Konersmann (sample)"/>
E-mail	Business Phone
<input type="text" value="someone_f@example.com"/>	<input type="text" value="555-0105"/>
Organization Name	Title
<input type="text"/>	<input type="text" value="Purchasing Manager"/>
Nickname	Web Site
<input type="text"/>	<input type="text"/>
Public Profile Copy	
<input type="text"/>	

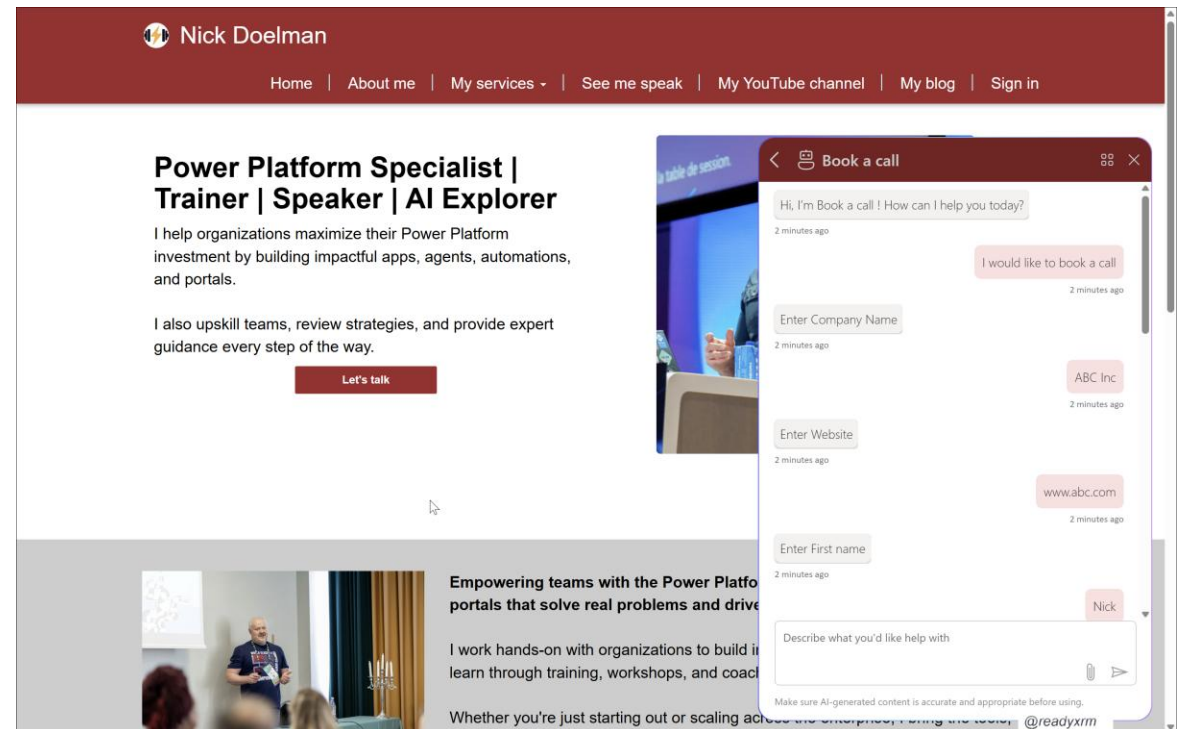
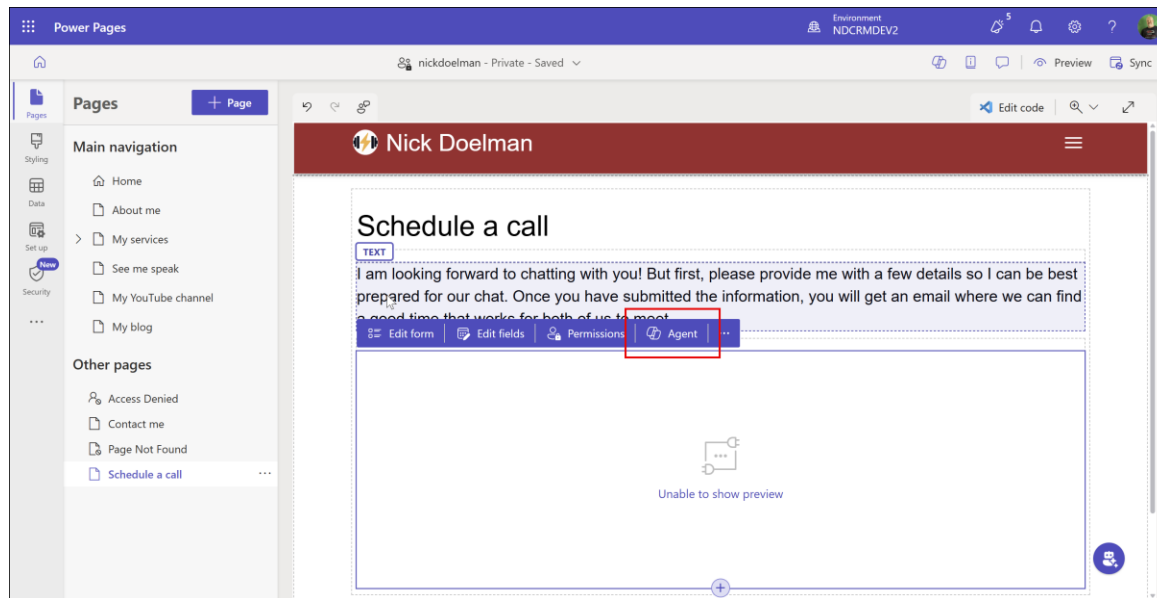
Your email requires confirmation. [Confirm Email](#)

More info Authentication

- <https://readyxrm.blog/2025/02/26/power-pages-configure-entra-external-id/>
- <https://readyxrm.blog/2024/07/25/power-pages-set-up-okta-as-an-identity-provider/>

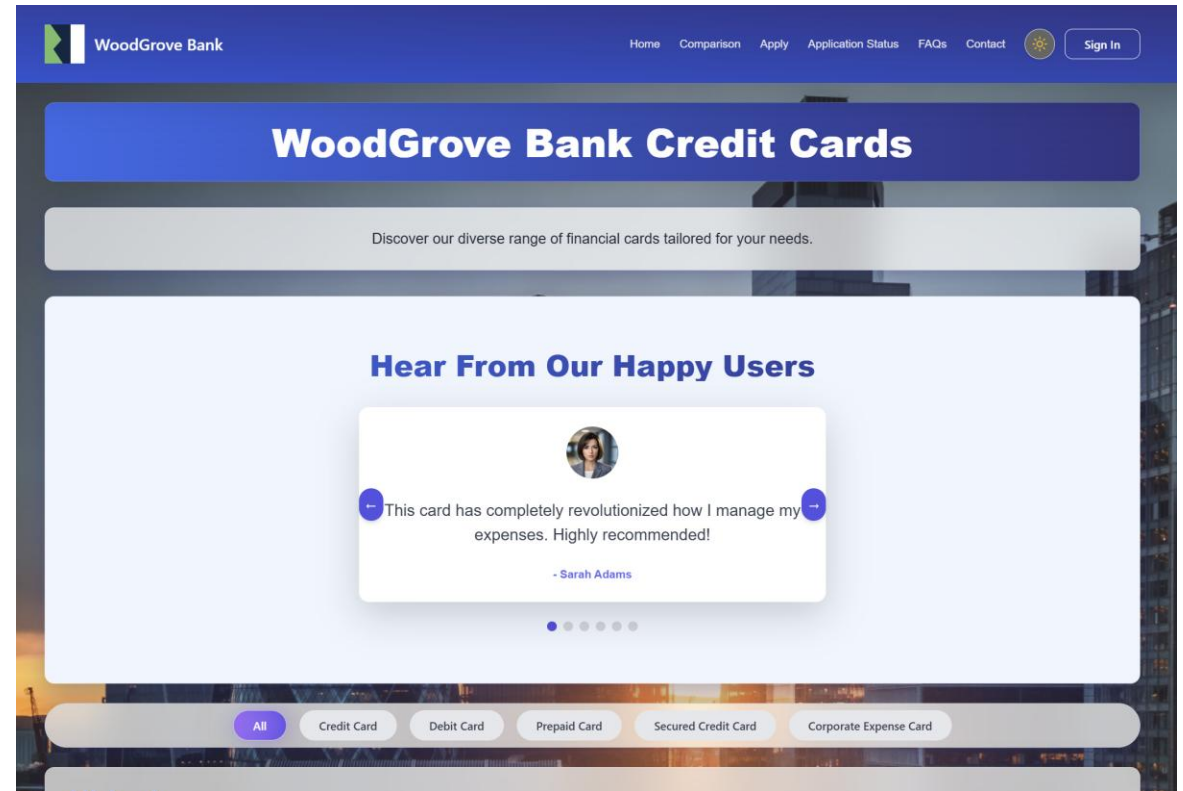


New stuff: Create an Agent from a form



New stuff: Single Page Applications (SPAs)

- Preview feature
- Build single page applications using JavaScript frameworks (React, Vue, Angular)
- Expand UI/UX options
- Deploy SPA to Power Pages
- Utilize app hosting, security, authentication
- AI assisted application development



New stuff: Contact – System User sync

- NDA

Other features of Power Pages

Custom web templates and layouts using Liquid markup

Portals web API (pro-dev customization)

Display SharePoint, Power BI, Chatbots

Host single page applications (SPA)

Launch Power Automate flows

Extend Power Platform projects

Call to action!

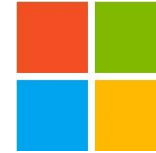
- Create a Power Pages developer site

<https://aka.ms/mpp>

- Try the copilots! Build a site!
- Join the community!
- Learn more here:
- <https://learn.microsoft.com/power-pages>

Thank you Sponsors!!

Platinum



Gold



Silver



Social



#M365OTTAWA



Survey



Download the app:

<https://bit.ly/run-events-app>

Fill in the feedback form

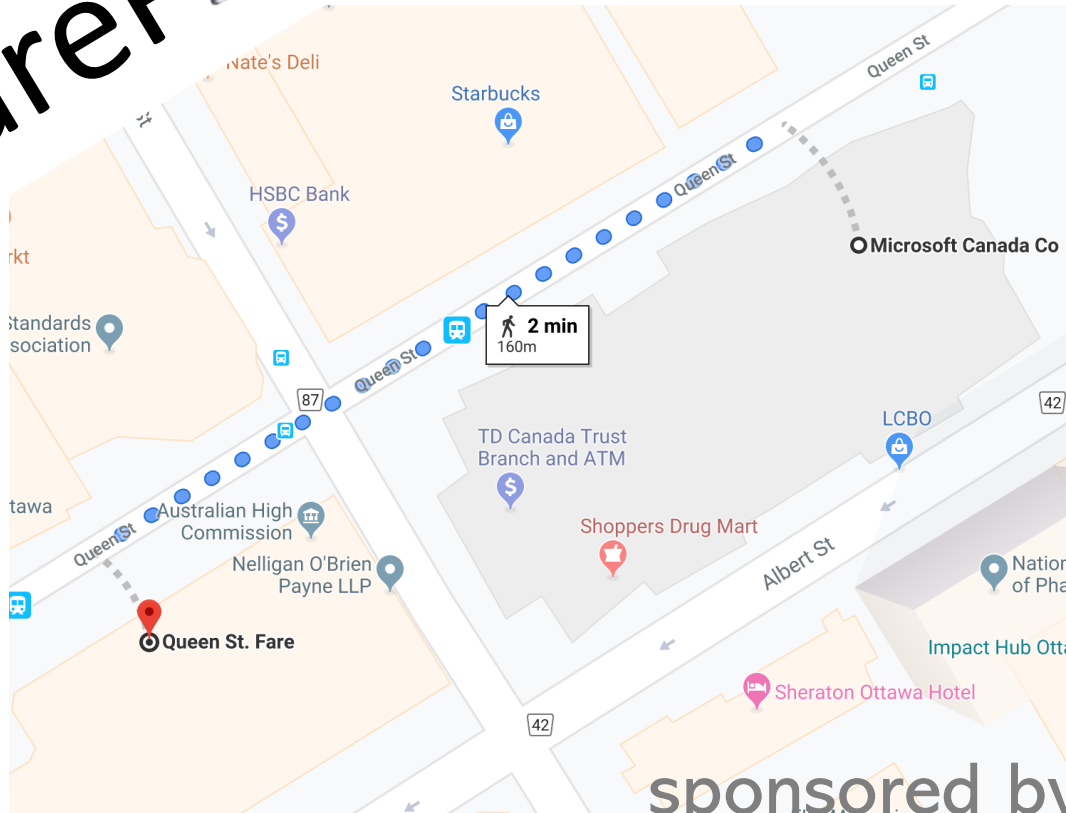
Chance to win a prize

You need to be present to win!

#M365OTTAWA

Join us after the event...

SharePint



@4:45 pm

Queen Street Fare –
170 Queen Street

First round on us!

Please drink responsibly 😊 We'll be
happy to call you a taxi!

sponsored by:

ShareGate

#M365OTTAWA

