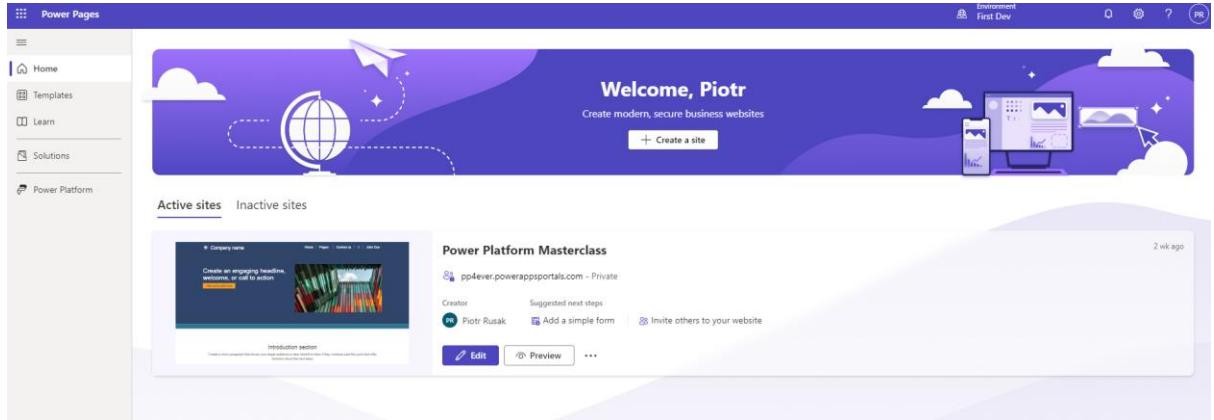


# Power Pages Masterclass (by Arpit Shrivastava / Piotr Rusak)

## Lab 001 – Power Pages Design Studio

### Part 1 – Introduction

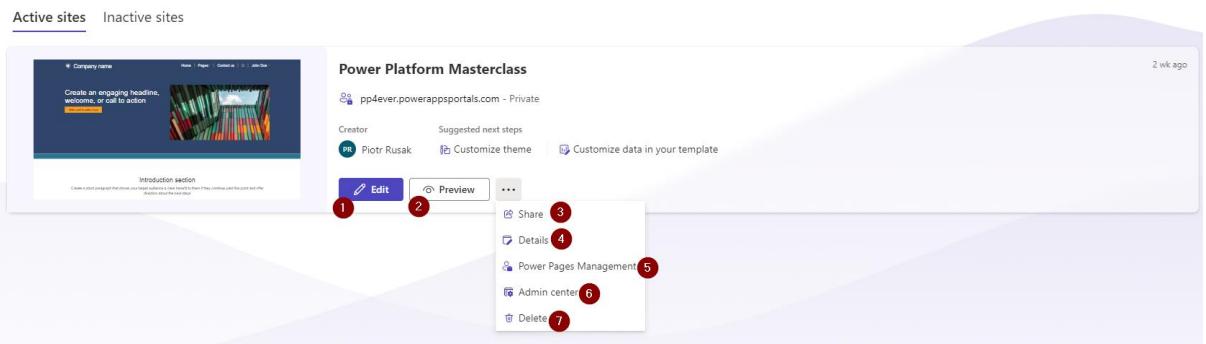
- 1) Go to <https://make.powerpages.microsoft.com> – make sure you selected your Developer Environment in Environment Picker (top right corner of the browser)



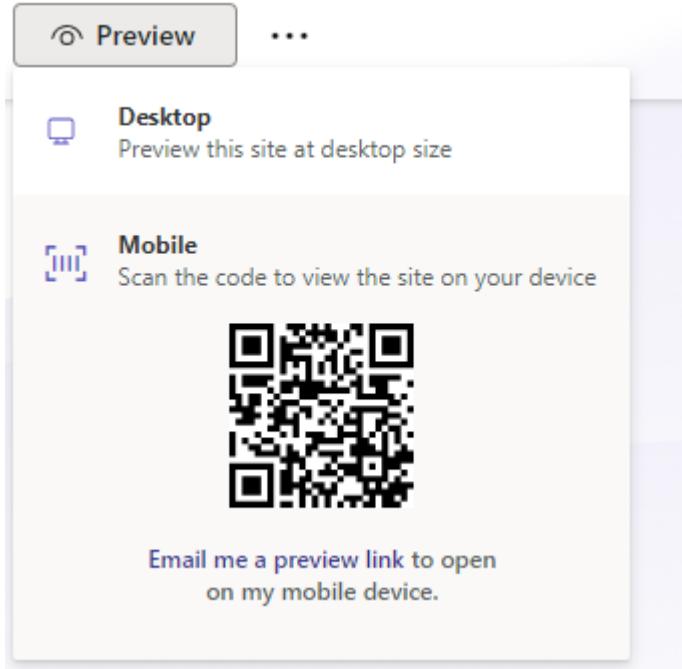
- 2) Review options available in left hand side bar:

- a. **Home** – goes to default page of the **make.powerpages.microsoft.com** site
- b. **Templates** – shows all available templates – to be used when creating new Power Pages websites
- c. **Learn** – learn hub where you can find many articles and videos showing how to work with Power Pages
- d. **Solutions** – redirects you to Solutions page specific for particular Dataverse Environment (here you can add your custom Dataverse Tables and if you are working with Power Pages Website in V2 model – you can add whole site and all connected Web Components to dedicated Solution)
- e. **Power Platform** – section that presents links to other Power Platform products + Power Platform Admin Center

- 3) In central part of the screen you should see your Active / Inactive sites available in this particular Power Platform Environment



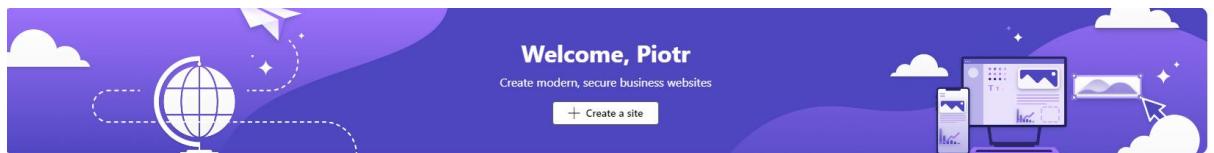
- (1) By pressing **Edit** button you will be redirected to Power Pages Design Studio – there you could start editing Website in WYSIWYG manner (recently Microsoft invested a lot effort in delivering many features in this area)
- (2) By pressing **Preview** you will see flyout menu with options to open live Website either in Desktop browser or using QR code (from mobile device)



Note: This operation clears also cache of the Power Pages website

- (3) By pressing **Share** you will be able to copy public Url to your website (for Developer Websites site visibility will always be Private – so only nominated users from your Organization will be able to see this portal / anonymous users do not have access to Website with Site Visibility = Private)
- (4) By pressing **Details** you will jump to Power Pages Design Studio – Set up workspace => General – Site details section (more about this later)
- (5) By pressing **Power Pages Management** – you will be redirected to Model Driven App inside your Environment that you will use for more sophisticated design actions (more about this later)
- (6) By pressing **Admin Center** you will be redirected to Power Platform Admin Center – to a page where Admin Panel will present all administrative actions for your Power Pages Website (more about this later)
- (7) By pressing **Delete** (double confirmed) – you can start removing Azure Host web resources (Website data stored in Dataverse and Power Pages solutions installed for this Environment will stay untouched) => your site will be visible in **Inactive sites** section

- 4) You can also start creating new Websites for specific Environment (in Dev environments you can have up to 3 Websites altogether)

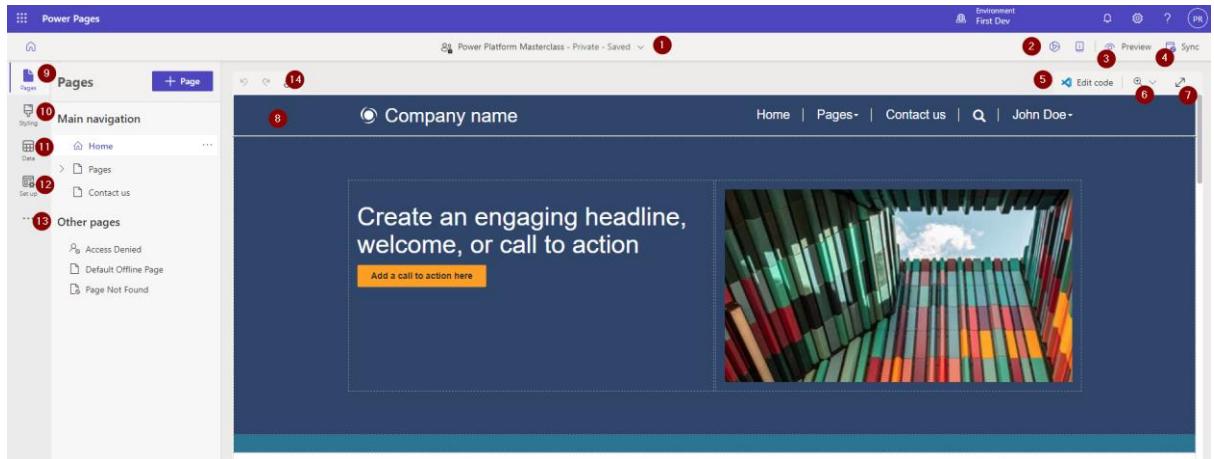


This procedure was already described in pre-requisites for this workshop.  
You can play with this feature and create new Website using different Template.  
For V2 model creation of second and next websites in Environment takes few / several minutes.  
For V1 model creation of any Website can even take up to 1 hour 😞

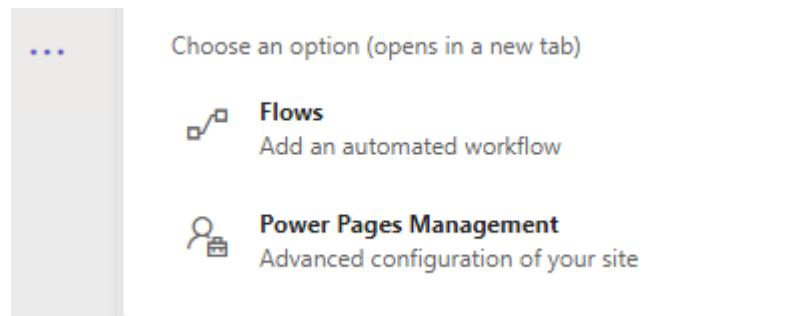
## Part 2 – Power Pages Design Studio – Introduction

- 1) Go to Power Pages Design Studio – from previous part (by pressing **Edit** button)

You should see screen like below:



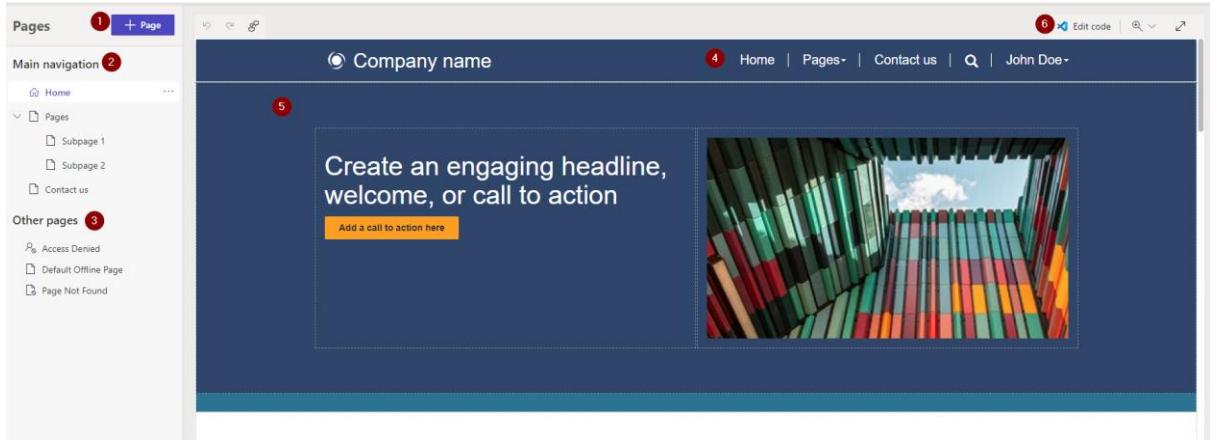
- (1) Top banner – specifying Title of your Website / Site Visibility status – for Dev Website this always will be Private / Save status (IMPORTANT: all operations in Power Pages Design Studio are auto saved – you don't have to look for Save button)
- (2) Copilot icon – available now (September 2023) only if your environment is located in US region
- (3) Preview icon – clears cache and opens web site either in Desktop browser or via QR code in mobile device
- (4) Sync – if you made any changes in Power Pages Management App (Model Driven App) – in configuration tables you need to press this button to download all changes to be reflected in Power Pages Design Studio.
- (5) You can open code of specific Page in Visual Studio Code for Web (we will get back to this option later)
- (6) Zoom in / Zoom out options for design screen
- (7) Hiding / Showing left panel
- (8) Design canvas for specific page
- (9) Pages workspace (more about this later)
- (10) Styling workspace (more about this later)
- (11) Data workspace (more about this later)
- (12) Set up workspace (more about this later)
- (13) Three dots – ability to go to Power Automate center for specific Environment OR to Power Pages Management App for this Environment



- (14) Undo / Redo buttons

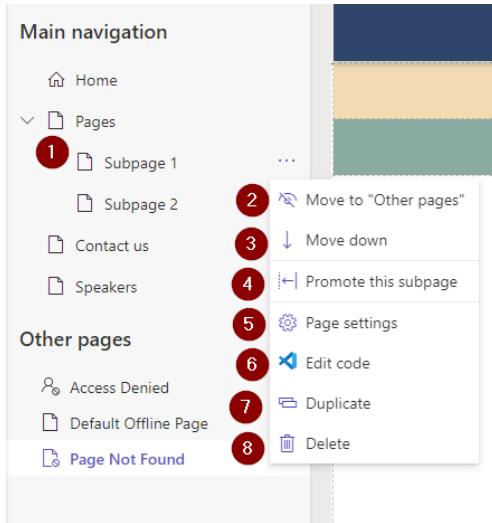
## Part 3 – Power Pages Design Studio – Pages workspace

- 1) Pages workspace is used to control and edit / design available Webpages in our Website
- 2) Picture below presents structure of Pages workspace



- (1) You can add page here to Website – we will do this later
  - (2) You can see which pages belong to Top Navigation – Web Link Set (Default) (we will get back to this)
  - (3) You can also see pages that live in the website but are not part of the Top Navigation
  - (4) Top Navigation
  - (5) Canvas of Page – divided into Header + Sections + Footer
  - (6) Again – ability to edit code of the page inside Visual Studio Code for Web
- 3) Power Pages “Main navigation” section

Pages located here can be:



- (1) Organized in 2 level hierarchy (all pages are organized in tree-like structure – there always must be single Home page on top – you cannot remove this page)
- (2) Move to “Other pages” – remove page from Top Navigation
- (3) Move down – self explanatory
- (4) Promote this subpage – self explanatory
- (5) Page settings – opens page settings
- (6) Edit code – VS Code for web – editing page there

- (7) Duplicate – creating exact copy of the page
  - (8) Delete – double confirmed deletion of the page
- 4) Power Pages “Other pages” section

The screenshot shows a list titled "Other pages" with three items:

- Access Denied
- Default Offline Page
- Page Not Found

Here we can find 3 OOTB pages that cannot be removed and also cannot be shown inside Top Navigation (those pages are system specific – and you can only adopt their look and feel)

- 5) Pages workspace – creating few pages that we will use at later stage

- (1) Create “Workshop” page and place it after “Contact us” page (same level)

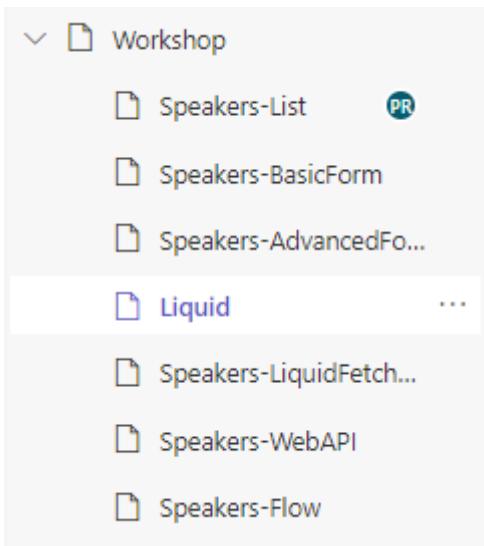
The screenshot shows the "Add a page" dialog box with the following details:

- Page name \***: Workshop
- Add page to main navigation**:
- Standard layouts** (selected): Start from blank, Landing page, Page (highlighted with a purple border)
- Custom layout**:

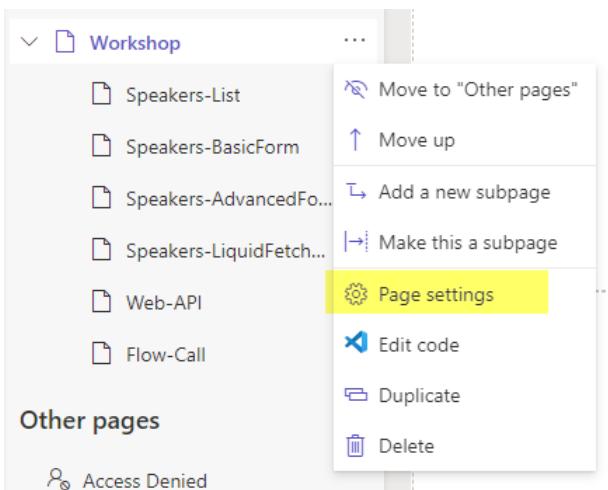
At the bottom right are the "Add" and "Cancel" buttons.

- (2) Create “Speakers-List” page and place it under “Workshop” page (same level)  
From now on down use template “Start from blank” for all pages.  
(3) Create “Speakers-BasicForm” page and place it under “Workshop” page (same level)

- (4) Create “Speakers-AdvancedForm” page and place it under “Workshop” page (same level)
  - (5) Create “Liquid” page and place it under “Workshop” page (same level)
  - (6) Create “Speakers-LiquidFetchXml” page and place it under “Workshop” page (same level)
  - (7) Create “Speakers-WebAPI” page and place it under “Workshop” page (same level)
  - (8) Create “Speakers-Flow” page and place it under “Workshop” page (same level)
- 6) Structure of newly created pages should look like this:



- 7) Now it is time to review Page Settings for Workshop page



## Page settings

Details

Name	Workshop
Permissions	
Partial URL	Workshop

OK Cancel

In Details and Permissions tabs make sure you understand what is what (trainer will explain this with more details)

- 8) Edit Site Header – this part is common for all pages (Header + Footer creates frame for all pages)

Edit site header

Title + logo

Site title	Company name
Styling	

Layout

Site logo	<input checked="" type="checkbox"/>
	<input type="button" value="Upload image"/>
Alt text	Company name logo

Edit code

v

- 9) Edit Site Footer – this part is common for all pages (Header + Footer creates frame for all pages)

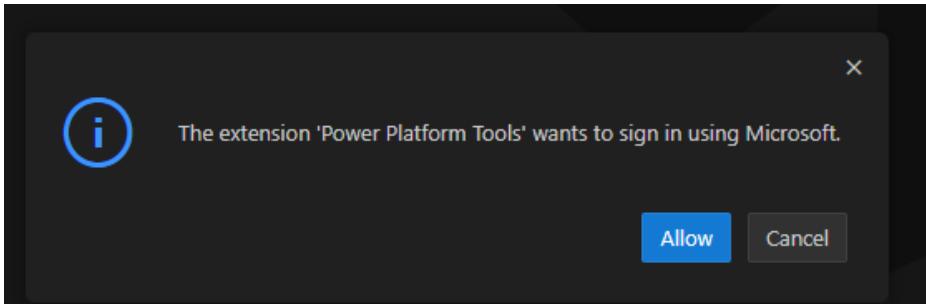
Edit background Edit code

Copyright © 2023. All rights reserved.

Play with options available here (trainer will deliver some comments here)

- 10) Editing Site Header / Site Footer or Page Content inside VS Code for Web – press  and wait until VS Code for Web will open in another browser tab

Connect to DV by accepting this pop up:



Play with options available here (trainer will deliver some comments here presenting at the same VS Code for Web).

Important: we know it is code – don't panic 😊 (this is pure html + CSS + JS + Liquid code)

When you Update any content using VS Code for Web you make changes in DV Config tables outside of Power Pages Design Studio – remember to Sync those changes after you switch back to PP Design Studio.

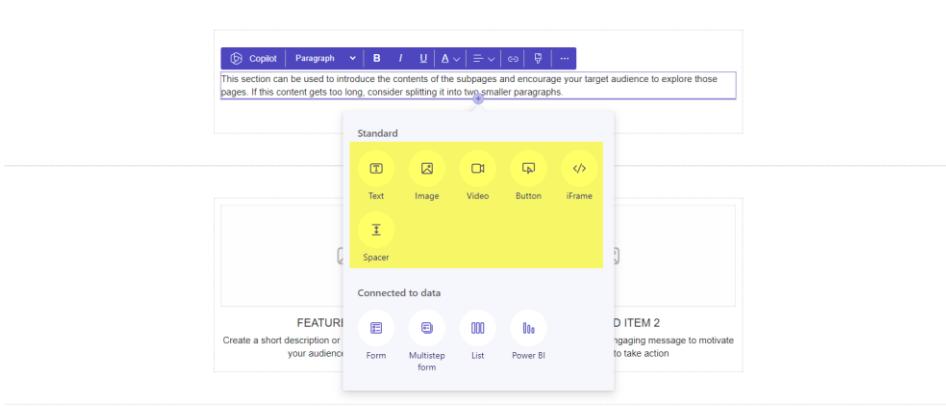
#### 11) Adding section to Power Pages “Workshop” page

Add new section to page and play with options available for this section

Add also Spacer section and check what options this section has.

The screenshots show the Power Pages 'Workshop' page editor. The top screenshot displays a 'Pages' section with the following text: "This section can be used to introduce the contents of the subpages and encourage your target audience to explore those pages. If this content gets too long, consider splitting it into two smaller paragraphs." Below this text is a toolbar with icons for Horizontal and Vertical layout, and other editing options like 'Edit background' and 'Layout'. The bottom screenshot shows a similar 'Pages' section with the same text and layout options, but with a different toolbar configuration, likely for a vertical layout.

## 12) Testing Standard components that can be added to single Page



Test adding simple components inside Section on a page.

Test all components.

Check in VS Code for Web how specific components are represented in HTML code.

Ask trainer questions about any Standard Component.

- 13) Power Pages use **Bootstrap 3** engine (<https://getbootstrap.com/>) for styling web pages (Info: Microsoft works hard to deliver new version of **Bootstrap 5** to Power Pages)  
This option is available in PP Admin Center for specific Environment

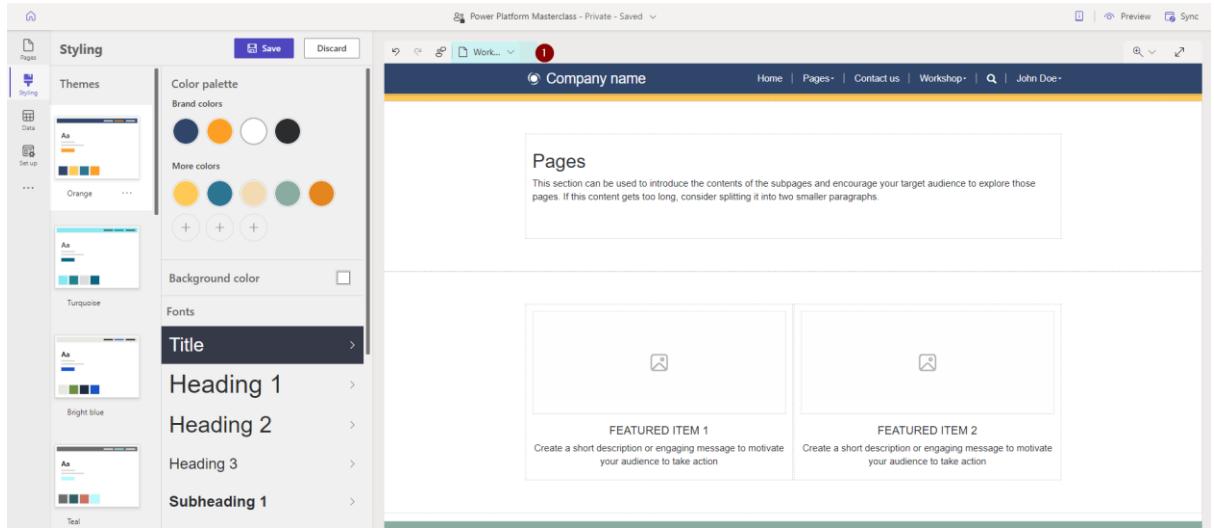
A screenshot of the Microsoft Power Pages Admin Center. At the top, there are several status indicators: "Switch to enhanced data model (preview)", "Enable Bootstrap v5 for new sites (preview)" (which is selected), and "Websites package(s) details". There's also a "Search" bar. Below the header, a banner says "Portal package(s) upgrade available for this environment. Upgrade now". The main area shows a list of "Power Pages sites" with one item: "Power Platform Masterclass" (Status: Configured, Site ID: bdf522f11-6996-4d99-bf60-a..., Environment: Piotr Rusak's Environment, Created on: 9/11/2023, 5:50:02 AM, Type: Developer Website, Site Visibility: Private, Anonymous access configuration: Allowed). Navigation links include "Environments &gt; First Dev &gt; Power Pages sites" and "View and manage all your sites across environments. Learn more".

Please do not enable this one – as our demos will rely on **Bootstrap 3**

- 14) Please do not test for now components “Connected to data” – we will get back to this when we will be reviewing “Data workspace”

## Part 4 – Power Pages Design Studio – Styling workspace

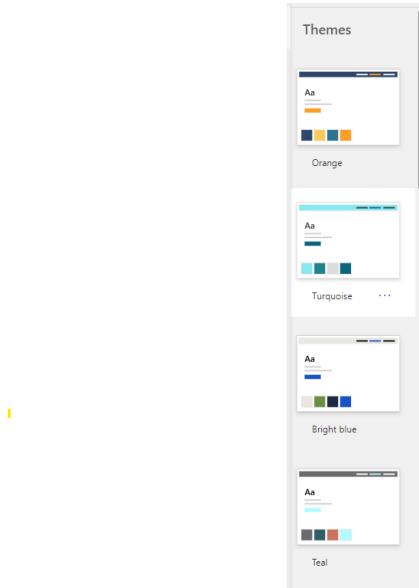
- 1) Open styling workspace.
- 2) Remark 1 crucial change in screen layout – pages navigator moved from left hand side section to top section of the page (next to Undo / Redo options)



- 3) Let's focus on options available in Styling workspace:

You can change default Theme for whole Website – behind the scenes different CSS file is attached to website (more about OOTB CSS files for website later)

For now there are 14 available Themes



4) For Selected Theme you can adopt used styles in two ways:

(1) Change specific items defined on right to selected Theme

## Styling

Save Discard

### Themes

- Orange
- Turquoise
- Bright blue
- Teal

### Color palette

Brand colors

More colors

Background color

### Fonts

Title >

Heading 1 >

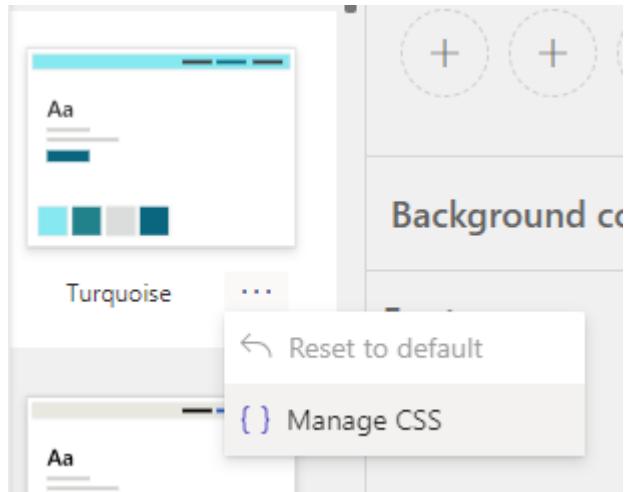
Heading 2 >

Heading 3 >

Subheading 1 >

Subheading 2 >

- (2) For Selected Theme you can manually upload your CSS to either include your own global CSS rules or overwrite some rules defined OOTB by Power Pages (Look & Feel customization for Power Pages is quite complex and broad topic)



**Themes**

Back to styles

Upload, edit, and manage your custom CSS files. Use your custom CSS files for advanced site styling. The file listed last will take higher precedence. [Learn more](#)

[bootstrap.min.css](#)

[theme.css](#)

[portalbasictheme.css](#)

**Custom CSS** [Upload](#)

Your custom CSS will be prioritized over theme.css, but not over portalbasictheme.css.

Theme	Color Scheme
Orange	Orange
Turquoise	Turquoise
Bright blue	Bright blue

- 5) Exercise: prepare on your desktop CSS file with following content inside:

```
.RedText{  
    color: #FF0000;  
}  
  
.GreenText{  
    color: #00FF00;  
}
```

Name this file Sample.css and upload to Power Pages portal

IMPORTANT: for Styling Changes you have to explicitly click Save button placed on top of the Workspace (left panel)



- 6) Go back to Pages workspace and select Workshop page and add there new Two Column Section with two Text Components (1 in each Section) – one with Texts: “This is RED” and second with text “This is GREEN”  
7) Edit page in VS Code for Web => locate this line

```
<div class="col-md-6 columnBlockLayout" style="flex-grow: 1; display: flex; flex-direction: column; min-width: 250px; word-break: break-word;"><p>This is RED</p></div>  
<div class="col-md-6 columnBlockLayout" style="flex-grow: 1; display: flex; flex-direction: column; min-width: 250px; word-break: break-word;"><p>This is GREEN</p></div>
```

And modify It to be

```
<div class="col-md-6 columnBlockLayout" style="flex-grow: 1; display: flex; flex-direction: column; min-width: 250px; word-break: break-word;"><p class="RedText">This is RED</p></div>  
<div class="col-md-6 columnBlockLayout" style="flex-grow: 1; display: flex; flex-direction: column; min-width: 250px; word-break: break-word;"><p class="GreenText">This is GREEN</p></div>
```

Save code (CTRL + S click)

- 8) Go back to PP Design Studio + Sync changes => Congratulations – you have just used your custom CSS classes in Power Pages



## Part 5 – Power Pages Design Studio – Data workspace + using List / Basic Form and Advanced Form

- 1) Before we will jump into Data workspace of Power Pages Design Studio we need to prepare empty Dataverse Solution which will hold our custom table.
- 2) Open <https://make.powerapps.com>
- 3) Make sure that you see in Environment Picker same environment as it was for our Website in Power Pages Design Studio
- 4) Go to Solutions section
- 5) Create new Publisher

### New publisher

Publishers indicate who developed associated solutions. [Learn more](#)

[Properties](#) [Contact](#)

Display name \*

Name \*

Description

Prefix \*

Choice value prefix \*

Preview of new object name

bs\_Object

- 6) Then create new Solution (empty one)

## New solution

Display name \*

Name \*

Publisher \*

Baltic Summit (BalticSummit) ▼ ✎

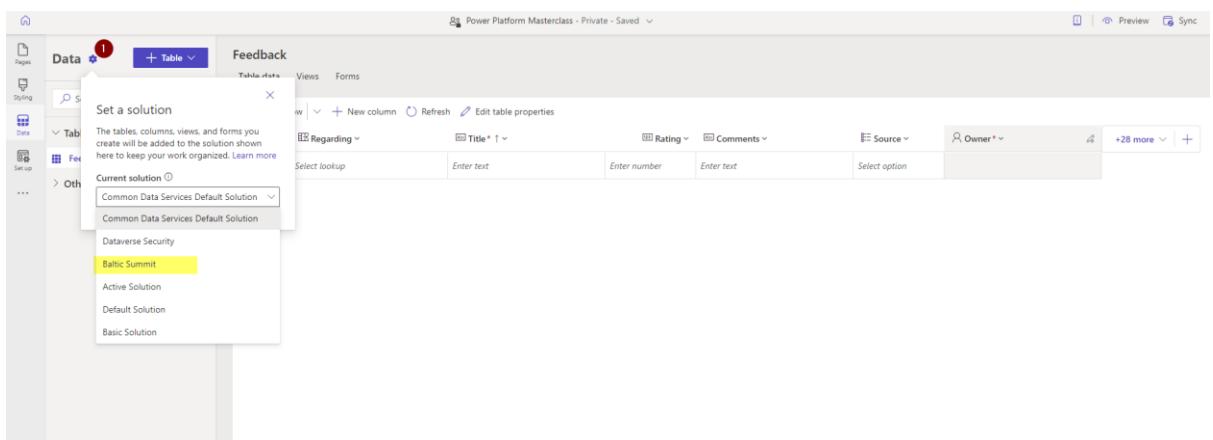
+ New publisher

Version \*

More options ▾

7) Go back to Power Pages Design Studio and open Data workspace

Locate gear next to Data label and make sure you selected Baltic Summit solution there !!!



All tables we will create here will be stored as part of our unmanaged solution “Baltic Summit”

- 8) Create new table Speaker (Plural Name: Speakers) (Schema name: bs\_Speakers)

The screenshot shows the Microsoft Power BI Data view. At the top, there is a navigation bar with 'Data' and a gear icon, followed by a red circle with the number '1'. To the right of the gear icon is a button labeled '+ Table' with a dropdown arrow. A dropdown menu is open, showing two options: '+ New table' (highlighted in yellow) and '+ New table from external data'. Below the dropdown, there is a search bar with a magnifying glass icon and the word 'Search'. To the right of the search bar are buttons for 'Views' and 'Forms'. Further down, there is a section titled 'Tables in this site' with a list item 'Feedback'. To the right of this list is a 'Regarding' dropdown with 'Select lookup' underneath it. Below the list, there is a section titled 'Other tables'.

### New table

Use tables to hold and organize your data. Previously called entities [Learn more](#)

[Properties](#)   Primary column

**Display name \***  
Speaker

**Plural name \***  
Speakers

**Description**

Enable attachments (including notes and files)<sup>1</sup>

[Advanced options](#) ^

**Schema name \***  
bs\_ Speaker

**Type \***  
Standard

**Record ownership \***  
User or team

**Choose table image**

9) Adopt Table columns in following way:

Update Name field / column (Display Name)

### Edit column

Previously called fields. [Learn more](#)

Display name \*

Name

Description ⓘ

Data type \* ⓘ

Single line of text

Format \*

Text

Behavior ⓘ

Simple

Required ⓘ

Business required

Searchable ⓘ

Advanced options ^

Schema name \* ⓘ

bs\_Name

### Edit column

Previously called fields. [Learn more](#)

Display name \*

Full Name

Description ⓘ

Data type \* ⓘ

Single line of text

Format \*

Text

Behavior ⓘ

Simple

Required ⓘ

Business required

Searchable ⓘ

Advanced options ^

Schema name \* ⓘ

bs\_Name



Add following columns to the Speaker (Speakers) table (all columns should be Optional):

#	Column name	Column type	Column Static Name
1	Role	Single line of text / Text	bs_Role
2	First Name	Single line of text / Text	bs_FirstName
3	Last Name	Single line of text / Text	bs_LastName
4	Image URL	Single line of text / Text (2000 chars)	bs_ImageURL
5	LinkedIn URL	Single line of text / Text (2000 chars)	bs_LinkedInURL
6	X URL	Single line of text / Text (2000 chars)	bs_XURL
7	Description	Single line of text / Text Area (4000 chars)	bs_Description

You should have Speakers Table Ready to accept all Baltic Summit Speakers

10) Now we need to create new Form for this table

The screenshot shows the Microsoft Dataverse interface for creating a new form. At the top, there are tabs for 'Table data', 'Views', and 'Forms'. The 'Forms' tab is selected, indicated by a blue underline. Below the tabs, there are two sections: 'Forms in this site' and 'Forms available for this table'. The 'Forms in this site' section is collapsed, while the 'Forms available for this table' section is expanded, showing a list of forms: 'Name ↑' and 'Information'. A yellow callout box highlights the '+ New form' button, which is located within the 'Forms in this site' section. This section is also collapsed. Below these sections, a modal window titled 'Create a new form' is open. The modal contains instructions: 'Use customizable forms to collect information from your site visitors. The collected data will be stored securely in the Dataverse table.' It has fields for 'Form name \*' (containing 'Portal Speaker Form') and 'Description' (containing 'Enter description'). At the bottom of the modal are 'Create' and 'Cancel' buttons.

Trainer will present how New form for Speakers should look like 😊

## New Speaker

Speaker

Piotr Rusak ▾  
Owner

General Description Related ▾

Full Name \* ---

First Name ---

Last Name ---

Role ---

Image URL ---

LinkedIn URL ---

X URL ---

## New Speaker

Speaker

Piotr Rusak ▾  
Owner

General Description Related ▾

Description ---

Remember to Save and publish form when ready.

11) Now we need to create new View for this table

The screenshot shows the Microsoft Dataverse interface for the 'Speaker' table. The 'Views' tab is selected. Under 'Views in this site', there is a yellow-highlighted button labeled '+ New view'. Below it, under 'Views available for this table', are four listed views: 'Active Speakers', 'Inactive Speakers', 'Speaker Associated View', and 'Speaker Lookup View'. A modal window titled 'Create a new view' is open at the bottom, containing fields for 'View name \*' (set to 'All Speakers View') and 'Description' (with placeholder 'Enter description'). At the bottom right of the modal are 'Create' and 'Cancel' buttons.

Create a new view X

Use customizable views to show your site visitors specific information, displayed in columns and rows. The data comes from the secure Dataverse table you selected.

View name \*

Description

Create Cancel

Trainer will present how New form for Speakers should look like 😊

The screenshot shows a Microsoft Power BI view interface. At the top, there are four filter dropdowns: "Full Name", "First Name", "Last Name", and "Role", each with a downward arrow indicating they are dropdown menus. To the right of these filters is a button labeled "+ View column". Below the filters is a large, empty white area. In the center of this area is a circular icon containing a grid symbol, which typically represents a table or list. Below this icon, the text "We didn't find anything to show here" is displayed in bold. Underneath this message, a smaller text states: "This view does not have any data. Try creating more records or removing filters." The overall background of the interface is light gray.

- 12) Now when we have Table / Form / View – we can go back to Pages workspace to play with Data connected components (List / Basic Form and Advanced Form)
- 13) Insert sample data to Speakers table – you can user trainer directions or data available here <https://balticsummit.pl/speakers>
- 14) Go to page “Speakers-List” and add List component to empty Section

The screenshot shows the Microsoft Power BI Pages workspace. A modal window titled "Choose a component to add to this section" is open. Inside the modal, there is a horizontal row of ten component icons: Text, Button, Image, Video, Form, Multistep form, List, List (selected), and Power BI. The "List" icon is highlighted with a blue border, indicating it is the selected component. Below the icons is a small blue plus sign button. The background of the workspace is visible, showing a light gray color with some faint text and other UI elements.

## 15) Edit settings for List

Add a list X

**Set up** This list will display information to your site visitors from the data stored in the table and views. This list can be edited and reused.

More options

Choose a table \*  Search

Select the data views \*  ▼

Name your list \*

Done Cancel

## 16) Add Table Permissions for this Table and list

Edit list   Add filter   Edit views   Permissions   ...			
Set the permission on this list so it can be seen and used by all of your site visitors.			
Full Name	First Name	Last Name	Role
This is an example of a single line of text	This is an example of a single line of text	This is an example of a single line of text	This is an example of a single line of text
This is an example of a single line of text	This is an example of a single line of text	This is an example of a single line of text	This is an example of a single line of text
This is an example of a single line of text	This is an example of a single line of text	This is an example of a single line of text	This is an example of a single line of text

New table permission

Basic Child permissions

Name \*

Speakers

Table \*

Speaker (bs Speaker)

Access type \*

Global access

Show all rows in the table to users in the selected roles. [Learn more](#)

Permission to

(1) The Read privilege must be selected to allow your site visitors to use the data component. Choose Save to confirm these changes.

<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Write	<input checked="" type="checkbox"/> Create
<input checked="" type="checkbox"/> Delete	<input type="checkbox"/> Append	<input type="checkbox"/> Append to

Roles

Select roles that apply to the table permission.

Administrators

Anonymous Users

Authenticated Users

[Manage roles](#)

Save Cancel

17) Now you can preview your List by clicking Preview (please Sign In to see results)

Full Name ↓	First Name	Last Name	Role
Piotr Rusak	Piotr	Rusak	Power Platform Specialist
Arpit Shrivastava	Arpit	Shrivastava	Power Platform Architect

18) Now we need to prepare Basic Form to enable Viewing Speaker details + Creating and Editing Speakers. Go to page “Speakers-BasicForm”

## 19) Add Form component to empty Section

Choose a component to add to this section

Text Button Image Video Form Multistep form List Power BI ...

① AI-powered form creation is not available due to your admin settings or global region. Choose one of the other ways to start.

Describe a form to create it PREVIEW

We'll create a form based on this description

0/250 ↗

Other ways to get started

+ New form >

Or choose an existing form

simple contact us form Feedback

Start with an AI-generated form

Add a form

Form Data On submit CAPTCHA Attachments

This form will collect information from your site visitors and store it in the table you choose. This form can be edited and reused.

Choose a table \* ① Speaker

Select a form \* Portal Speaker Form

Name your copy of the selected form \* ① Speaker Form

OK Cancel

## Add a form

X

Form	Data from this form:
<b>Data</b>	Creates a new record

On submit **Configurations**

CAPTCHA Advanced configurations are available in the Portal Management app

Attachments  Open Portal Management app ⓘ

OK

Cancel

## Add a form

X

Form	When the form is submitted
Data	Redirect to a page

<b>On submit</b>	Speakers-List
------------------	---------------

CAPTCHA

Attachments

OK

Cancel

## Add a form

X

- |             |                                                               |
|-------------|---------------------------------------------------------------|
| Form        | <input type="checkbox"/> Show CAPTCHA for anonymous users     |
| Data        | <input type="checkbox"/> Show CAPTCHA for authenticated users |
| On submit   |                                                               |
| CAPTCHA     |                                                               |
| Attachments |                                                               |

OK

Cancel

## Add a form

X

- |             |                    |                                     |
|-------------|--------------------|-------------------------------------|
| Form        | Enable attachments | <input checked="" type="checkbox"/> |
| Data        |                    |                                     |
| On submit   |                    |                                     |
| CAPTCHA     |                    |                                     |
| Attachments |                    |                                     |

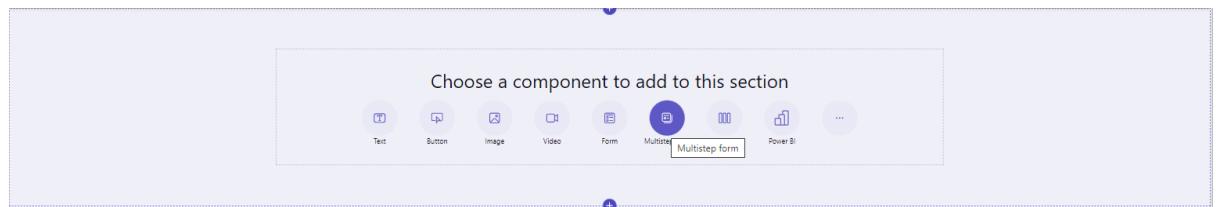
OK

Cancel

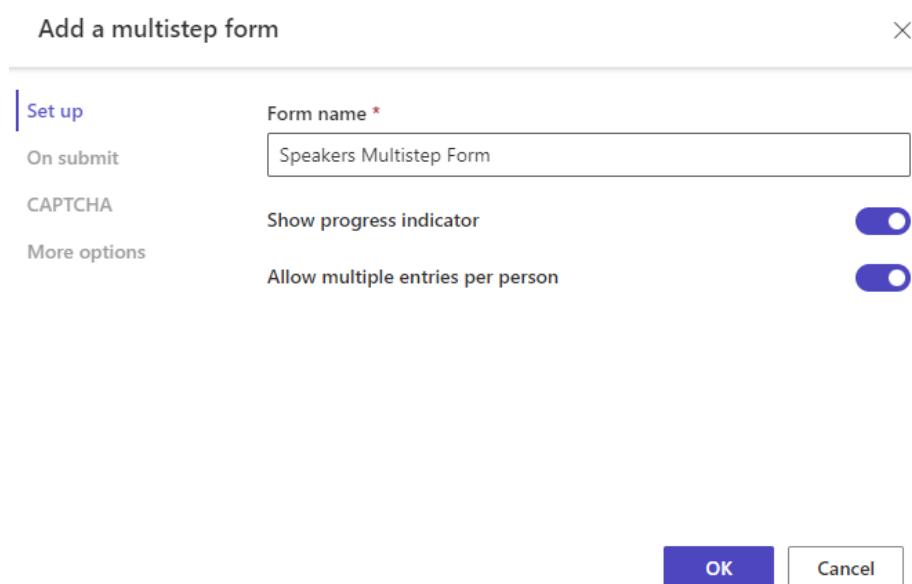
Trainer will explain with more details all available here options 😊

20) Next we will create Advanced form for Speakers table. Go to page “Speakers-AdvancedForm”

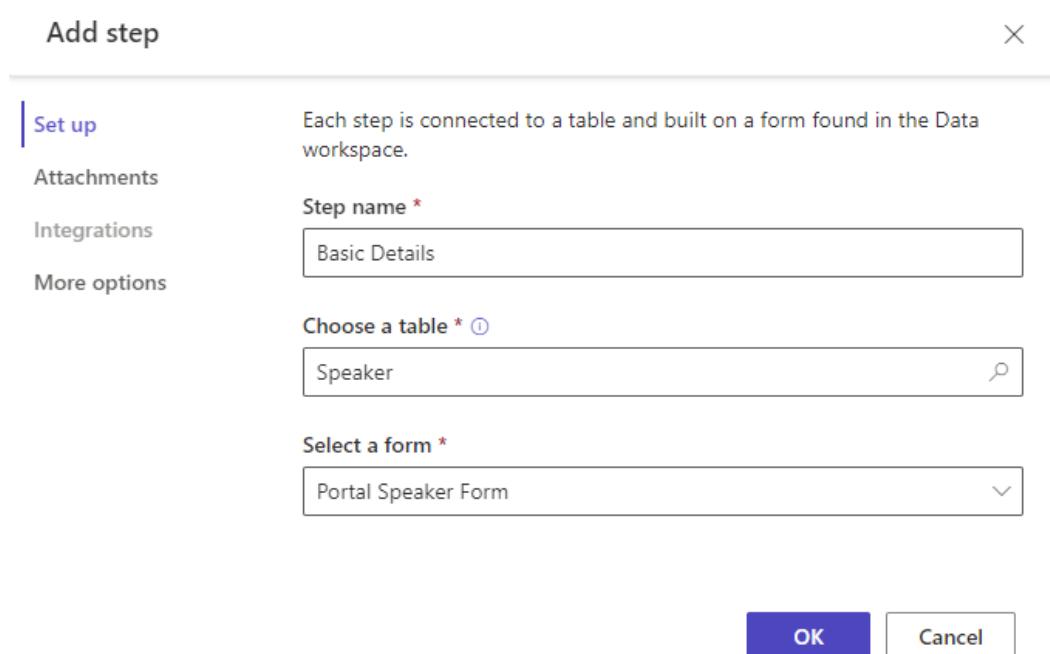
21) Insert MultiStep Form component into empty Section



Configure Multi Step Form in following way



Add Step 1



## Add step

X

Set up

Data from this form:

Attachments

Updates an existing record



Integrations

Display back button



More options

Advanced settings

Additional settings are coming soon. Until then, some advanced features like Conditions and Redirects are available through the Portal Management app.

Open Portal Management app

OK

Cancel

You should get following screen when opening page in Preview (no worries – we will fix this later – when we will work with Power Pages Management App)



- 22) We will get back to List / Basic Form / Advanced Form when we will investigate options available from Power Pages Management App (Model Driven App)

## Part 6 – Power Pages Design Studio – Set up workspace

- 1) We can see 5 sections inside Set up workspace in Power Pages Design Studio

The screenshot shows the 'Set up' workspace in Power Pages Design Studio. The left sidebar lists several categories: General (marked with a red circle containing '1'), Site details (marked with a red circle containing '2'), Go-live checklist, Authentication (marked with a red circle containing '2'), Identity providers, Security (marked with a red circle containing '3'), Table permissions, Site visibility, Mobile (marked with a red circle containing '4'), Progressive web application, Integrations (marked with a red circle containing '5'), Chatbot (preview), Cloud flows (preview), and External apps (preview). The main content area is titled 'Site details' and displays the following information for the site 'Power Platform Masterclass':

Owner	Created on	Modified on
Piotr Rusak	9/11/2023, 5:50:02 AM	9/25/2023, 7:35:01 AM
Type	Language	URL
Developer Website	English	<a href="http://pp4ever.powerappspartials.com">pp4ever.powerappspartials.com</a>
Application ID	Early upgrade	Data Model
e7b77cb1-1d3c-4ba4-9076-448c3244072c	Disabled <a href="#">Manage</a>	Enhanced

Below the site details, there is an 'Admin actions' section with a link to 'Open admin center'.

General  
Authentication  
Security  
Mobile  
Integrations

- 2) In this workshop we will focus on most useful information and operations available in this workspace. Covering with details all topics available here are not possible (due to time limitations)
- 3) General => Site details

The screenshot shows the 'Site details' page for the site 'Power Platform Masterclass'. The top bar includes a 'Run site checker' button (marked with a red circle containing '1') and a link to 'Run site checker'.

The main content area displays the site's general information:

Name:		
Power Platform Masterclass <a href="#">2</a>		
Owner	Created on	Modified on
Piotr Rusak	9/11/2023, 5:50:02 AM	9/25/2023, 7:35:01 AM
Type	Language	URL
Developer Website	English	<a href="http://pp4ever.powerappspartials.com">pp4ever.powerappspartials.com</a> <a href="#">3</a>
Application ID	Early upgrade	Data Model
e7b77cb1-1d3c-4ba4-9076-448c3244072c	Disabled <a href="#">Manage</a> <a href="#">4</a>	Enhanced

Below the site details, there is an 'Admin actions' section with a link to 'Open admin center' (marked with a red circle containing '5').

Contains information about website:

- Who is owner
- When this was created
- When last modified
- What type of site it is (in our case Developer Website)
- Language of website (content in website can be multilingual)
- URL of the website
- Application ID
- Does website is part of Early Upgrade – changes to website will arrive early (early adopters) – more here: <https://learn.microsoft.com/en-us/power-platform/released-versions/portals>
- Type of Data Model

From this location you can also:

- Run site checker
- Change Display Name of Website
- Go to Admin Center for Website (more later)

#### 4) General => Go-live checklist

Here you will find list of all operations needed before you would like to release PROD ready version of your Website (trainer will elaborate more about every check here)

**Go-live checklist**

This guide helps ensure you don't miss anything before your site is up and running.

0 of 7 complete

- Run the site checker** ▼
- Pick and allocate licenses** ▼
- Convert site from trial to production** ▼
- Enable CDN to load site faster** ▼
- Enable WAF to secure your site** ▼
- Connect custom domain** ▼
- Set the site to public** ▼

## 5) Authentication => Identity providers

Identity providers			
		+ New provider	Authentication settings
Name	Provider	Status	
Local sign in	Local sign in	Enabled	
Azure Active Directory	Azure Active Directory	Enabled	
Azure Active Directory B2C	Azure Active Directory B2C	Configure	
Facebook	Facebook	Configure	
LinkedIn	LinkedIn	Configure	
Google	Google	Configure	
Twitter	Twitter	Configure	
Microsoft	Microsoft	Configure	

This part is advanced topic.

For now please note OOTB you have 2 Identity Providers enabled (Local sign in – storing Contacts + hashed password in Dataverse AND Azure AD (aka Entra ID))

Important: Microsoft recommends to stop using Local sign in method (there are more secure ways of Authenticating Power Pages end users)

Microsoft recommends establishing Azure AD B2C identity provider (there are pretty nice articles in internet explaining step-by-step how to do this)

## 6) Security => Table permissions

Access to data in Dataverse is controlled by those permissions (for Lists / Basic Forms / Advanced Forms and Web API access)

We already presented how to work with Table Permissions.

This screen lists all enabled Table Permissions for the Power Pages website.

More advanced topic: Parent + Child Table permissions (read more on your own)

## 7) Security – Site Visibility

### Site visibility

Control who can see and interact with your website. [Learn more](#)

**1 This site is**

 Public  
Anyone with the link can view the site.

 Private  
Only people with a system administrator role and the people you choose here can access the site.

**2 Grant site access**

Choose the people who can interact with this site. By default, your system administrators will have access.

Give access to these people

Enter name or email address

Share

People with access to the site

- (1) Here you can decide if Website will be publicly visible to anonymous users.
- (2) Here you can also nominate all Developers / Designers who would have access to Website with Private visibility.

## 8) Mobile => Progressive web application

The screenshot shows the 'Progressive web application' configuration page. At the top, there is a toggle switch labeled 'Enable PWA' with the description: 'When enabled, your web app will be published and can be exported as an app package'. Below this, there are fields for 'Display name' (containing 'Site 1'), 'App store description' (containing 'Site 1'), and 'Start page' (set to 'Home'). In the 'Customize splash screen' section, there is a 'Background color' field set to blue, an 'App icon (512 X 512 px)' field containing 'PWALogo.png', and a 'Choose an icon' button. At the bottom, under 'More settings', there are links for 'Define offline pages', 'Create an app package', and 'Update the Android certificate'. A note states: 'These settings are available once PWA is enabled'.

More advanced topic – giving admins ability to setup Power Pages website as Progressive Web App (that can be pinned to mobile device or computer desktop – with own Icon and Splash Screen)

## 9) Integrations => Chatbot (preview)

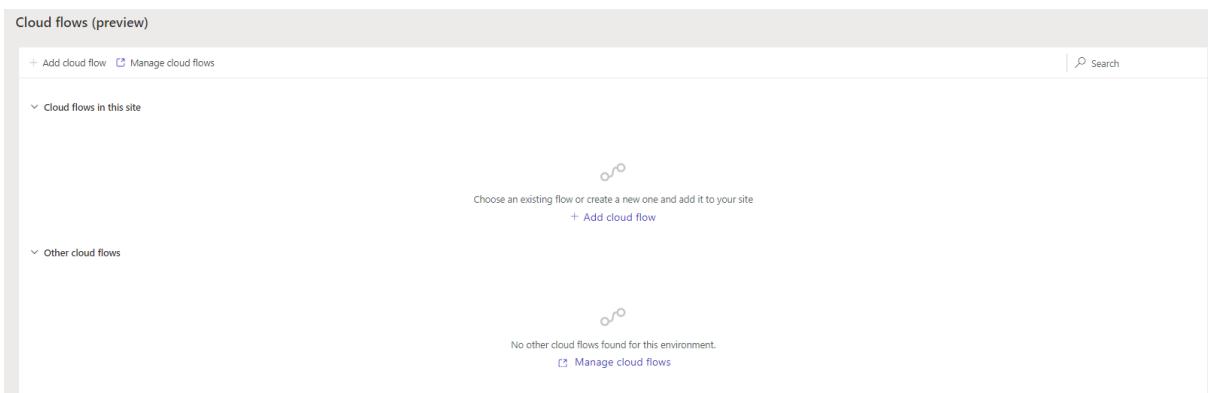
The screenshot shows the 'Chatbot (preview)' configuration page. It starts with a brief description: 'Powered by Azure OpenAI and Bing Search, the AI-powered chatbot can provide answers to questions your customers or site visitors may have about your organization, without any authoring. [Learn how this works](#)'. Below this, there is a section titled 'Get your chatbot ready in a few steps' with a 'Site link' field containing 'https://pp4ever.powerappsportals.com'. A note says: 'Information from this site is used by the chatbot to provide answers. Indexed pages of the site are also accessed by the chatbot.' There are two toggle switches: one for 'Create and test chatbot' (disabled) and another for 'Publish chatbot on site' (disabled). A note below the second toggle switch states: 'Your site visitors can access the chatbot when you enable.'

This feature is not available for Developer Websites.

AI powered feature to deliver inside Power Pages bot that can answer questions about content included inside Power Pages website.

Really powerful and interesting!

## 10) Integrations => Cloud flows (preview)



Ability to define Cloud Flows that can be called directly from Power Pages Web API in synchronous fashion.

This is security trimmed – only defined here Web Roles will have rights to call those flows (comparing to e.g. Http Triggered flow – which can be run anonymously by anyone)

More about this feature later during our workshop.

## 11) Integrations => External apps (preview)

Placeholder prepared by Microsoft to integrate Power Pages with other Applications / Connectors.

In September 2023 Microsoft have here only 1 External app – DocuSign



We will not present this feature during workshop as premium license for DocuSign is needed.