Using SharePoint for Assignments

**Contents**

[Lessons Learnt 4](#_Toc211205046)

[Setup 4](#_Toc211205047)

[Teams 4](#_Toc211205048)

[SharePoint 4](#_Toc211205049)

[List 5](#_Toc211205050)

[Document Library 9](#_Toc211205051)

[Power Automate – Create & Share 12](#_Toc211205052)

[Create Flow 12](#_Toc211205053)

[Main Code 13](#_Toc211205054)

[When Power Apps calls a flow (V2) 13](#_Toc211205055)

[Get Items 13](#_Toc211205056)

[Apply to each 14](#_Toc211205057)

[Create new folder 14](#_Toc211205058)

[Grant access to an item or a folder 14](#_Toc211205059)

[Optional Code 15](#_Toc211205060)

[Apply to each sub folder 15](#_Toc211205061)

[Create SDD folder 15](#_Toc211205062)

[Run the Flow 16](#_Toc211205063)

[Version 1 17](#_Toc211205064)

[Power Automate – Remove access – All Pupils 17](#_Toc211205065)

[Duplicate Flow 17](#_Toc211205066)

[Edit Flow 18](#_Toc211205067)

[Send an HTTP request to SharePoint 18](#_Toc211205068)

[Turn on and Run 18](#_Toc211205069)

[Power Automate – Grant access – All Pupils 20](#_Toc211205070)

[Duplicate Flow 20](#_Toc211205071)

[Edit Flow 20](#_Toc211205072)

[Turn on and Run 20](#_Toc211205073)

[Power Automate – Remove access – Individual Pupil 21](#_Toc211205074)

[Main Code 21](#_Toc211205075)

[When Power Apps calls a flow (V2) 21](#_Toc211205076)

[Send an HTTP request to SharePoint 21](#_Toc211205077)

[Run the Flow 22](#_Toc211205078)

[Power Automate – Grant access – Individual Pupil 23](#_Toc211205079)

[Main Code 23](#_Toc211205080)

[When Power Apps calls a flow (V2) 23](#_Toc211205081)

[Condition 24](#_Toc211205082)

[Run the Flow 24](#_Toc211205083)

[Power Apps 25](#_Toc211205084)

[Create App 25](#_Toc211205085)

[Add Flows 26](#_Toc211205086)

[Add Data 28](#_Toc211205087)

[Format App 29](#_Toc211205088)

[Modify slider 30](#_Toc211205089)

[Code 30](#_Toc211205090)

[Share All 30](#_Toc211205091)

[Unshare All 31](#_Toc211205092)

[Label 31](#_Toc211205093)

[Share One 32](#_Toc211205094)

[Unshare One 32](#_Toc211205095)

[Higher 33](#_Toc211205096)

[Save 33](#_Toc211205097)

[Version 2 34](#_Toc211205098)

[Power Automate – Remove access – All Pupils 34](#_Toc211205099)

[Main Code 34](#_Toc211205100)

[When Power Apps calls a flow (V2) 34](#_Toc211205101)

[Get items 35](#_Toc211205102)

[Apply to each 35](#_Toc211205103)

[Send an HTTP request to SharePoint 35](#_Toc211205104)

[Test 36](#_Toc211205105)

[Power Automate – Grant Access – All Pupils 37](#_Toc211205106)

[Main Code 37](#_Toc211205107)

[When Power Apps calls a flow (V2) 37](#_Toc211205108)

[Get items 38](#_Toc211205109)

[Apply to each 38](#_Toc211205110)

[Grant access to an item or folder 39](#_Toc211205111)

[Test 39](#_Toc211205112)

[Power Automate – Remove access – One Pupil 40](#_Toc211205113)

[Main Code 40](#_Toc211205114)

[When Power Apps calls a flow (V2) 40](#_Toc211205115)

[Send an HTTP request to SharePoint 40](#_Toc211205116)

[Test 41](#_Toc211205117)

[Power Automate – Grant Access – One Pupil 42](#_Toc211205118)

[Main Code 42](#_Toc211205119)

[When Power Apps calls a flow (V2) 43](#_Toc211205120)

[Get items 43](#_Toc211205121)

[Apply to each 43](#_Toc211205122)

[Condition 44](#_Toc211205123)

[Grant access to an item or folder 44](#_Toc211205124)

[Test 44](#_Toc211205125)

# Lessons Learnt

When creating a List, the column names cannot be changed, only what is displayed. If a column is renamed, the ‘internal’ name stays the same. This can lead to lots of wasted time when working with flows.

When creating flows, test the flow each time an extra block is added. Each time the flow is tested the result is shown. If the flow fails the raw input to the block can be examined.

To remove the warning for the **Get Items** block, set the *Top Count* parameter. Pick a value greater then the number of pupils, i.e. 50.

# Setup

## Teams

Create a new class team. This one is called **Test**.

A screenshot of a computer

AI-generated content may be incorrect.

## SharePoint

In the SharePoint site of the class team, create a list and a document library.

SharePoint can be accessed via the **General** channel and the **Files** tab of the class team. It can take a few minutes after the team is created for the site to be accessible.

Access the **Site contents**.

A screenshot of a computer

AI-generated content may be incorrect.

### List

#### Create

Create a new list.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a phone

AI-generated content may be incorrect.

The list is called **Data**. It is used to hold the details of the pupils.

A blue line with black text

AI-generated content may be incorrect.

#### Modify

##### Permissions

Access the site contents to edit the settings of the list.

A screenshot of a computer

AI-generated content may be incorrect.

A yellow box with text

AI-generated content may be incorrect.

Stop inheriting permissions.

A screenshot of a computer

AI-generated content may be incorrect.

Remove non-owners.

A screenshot of a computer

AI-generated content may be incorrect.

##### Columns

Show the **ID** column.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.

Add a *Person* column.

A screenshot of a computer

AI-generated content may be incorrect.

This one is called **Pupil**.

A screenshot of a computer

AI-generated content may be incorrect.

#### Add Pupils

Add the required pupils.

A screenshot of a computer

AI-generated content may be incorrect.

Glow email addresses can be used.

A screenshot of a search box

AI-generated content may be incorrect.

### Document Library

#### Create

Create a document library using the same steps for creating a list.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

The document library is called **Assignment**. It is used to hold the pupils’ files.

A screenshot of a computer

AI-generated content may be incorrect.

#### Modify

##### Columns

Show the **ID** column.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

##### Permissions

Modify the permissions and remove non-owners using the same steps for the list.

# Power Automate – Create & Share

Power Automate will require the site address of the SharePoint site:

A screenshot of a computer

AI-generated content may be incorrect.

The address will be shown in various drop-down lists.

## Create Flow

Create a flow.

A screenshot of a computer

AI-generated content may be incorrect.

This one is called **Test Create & Share**.

A screenshot of a computer

AI-generated content may be incorrect.

## Main Code

A screenshot of a computer

AI-generated content may be incorrect.

### When Power Apps calls a flow (V2)

A screenshot of a computer

AI-generated content may be incorrect.

### Get Items

A screenshot of a computer

AI-generated content may be incorrect.

### Apply to each

A screenshot of a computer

AI-generated content may be incorrect.

### Create new folder

A screenshot of a computer

AI-generated content may be incorrect.

### Grant access to an item or a folder

A screenshot of a computer

AI-generated content may be incorrect.

## Optional Code

This code can be used to create subfolder.

A screenshot of a computer

AI-generated content may be incorrect.

### Apply to each sub folder

Use the **Apply to each** block.

### Create SDD folder

Create as many as appropriate. Use the **Create new folder** block.

A screenshot of a computer

AI-generated content may be incorrect.

## Run the Flow

Save the flow. Ignore the *Get Items* warning. Run the flow

A screenshot of a computer

AI-generated content may be incorrect.

Check the result.

A screenshot of a computer

AI-generated content may be incorrect.

Version 1

# Power Automate – Remove access – All Pupils

## Duplicate Flow

A screenshot of a computer

AI-generated content may be incorrect.

This one is called **Test Unshare**.

A screenshot of a computer

AI-generated content may be incorrect.

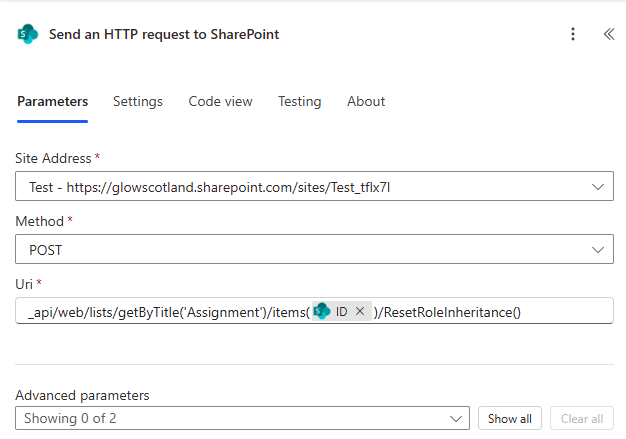
## Edit Flow

Delete any unnecessary blocks. Change the *Apply to each* block:

A screenshot of a computer

AI-generated content may be incorrect.

### Send an HTTP request to SharePoint



Uri:

\_api/web/lists/getByTitle('Assignment')/items(@{items('Apply\_to\_each')?['ID']})/ResetRoleInheritance()

## Turn on and Run

Turn on the flow.

A close up of a blue and white box

AI-generated content may be incorrect.

Run the flow.

Check the result.

A screenshot of a computer

AI-generated content may be incorrect.

# Power Automate – Grant access – All Pupils

## Duplicate Flow

A screenshot of a computer

AI-generated content may be incorrect.

This one is called **Test Share**.

## Edit Flow

Delete any unnecessary blocks. Change the *Apply to each* block:

A screenshot of a computer

AI-generated content may be incorrect.

## Turn on and Run

Turn on and run the flow. Check the result.

A screenshot of a chat

AI-generated content may be incorrect.

# Power Automate – Remove access – Individual Pupil

This one is called **Test Individual Unshare**.

## Main Code

A screenshot of a computer

AI-generated content may be incorrect.

### When Power Apps calls a flow (V2)

Add an input of type *Number*.

A screenshot of a computer

AI-generated content may be incorrect.

### Send an HTTP request to SharePoint

A screenshot of a computer

AI-generated content may be incorrect.

Uri:

\_api/web/lists/getByTitle('Assignment')/items(@{triggerBody()?['number']})/ResetRoleInheritance()

## Run the Flow

A screenshot of a computer

AI-generated content may be incorrect.

Check the result.

A screenshot of a computer

AI-generated content may be incorrect.

# Power Automate – Grant access – Individual Pupil

This one is called **Test Individual Share**.

## Main Code

A screenshot of a computer

AI-generated content may be incorrect.

### When Power Apps calls a flow (V2)

Add an input of type *Number*.

A screenshot of a computer

AI-generated content may be incorrect.

### Condition

A screenshot of a computer

AI-generated content may be incorrect.

## Run the Flow

A screenshot of a computer

AI-generated content may be incorrect.

Check the result.

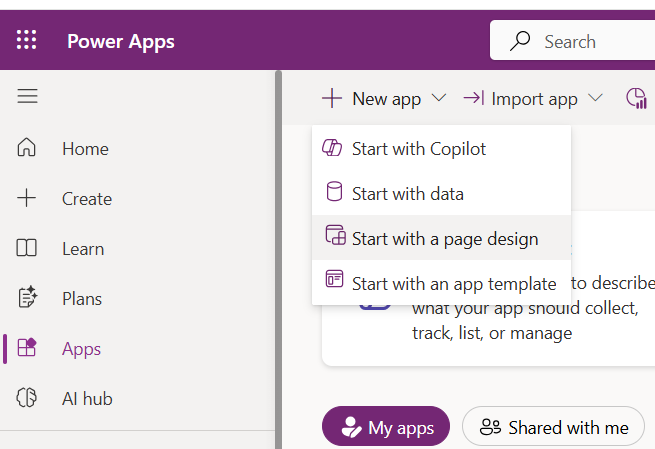
A screenshot of a chat

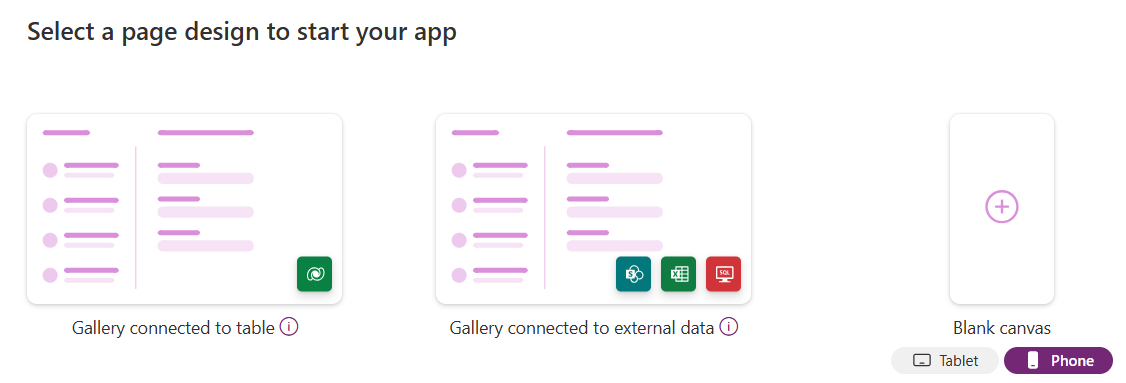
AI-generated content may be incorrect.

# Power Apps

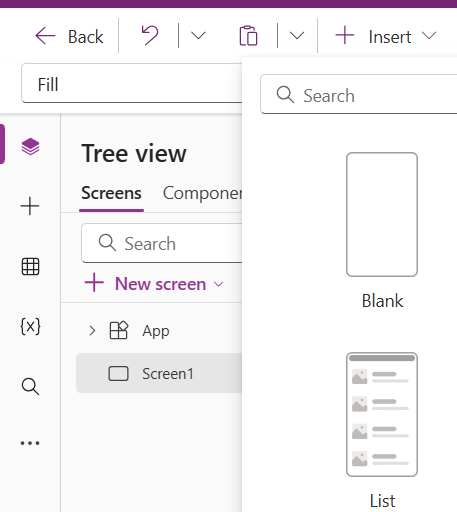
## Create App

Create a new app.



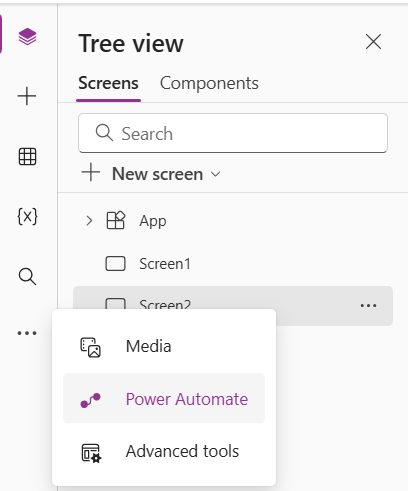


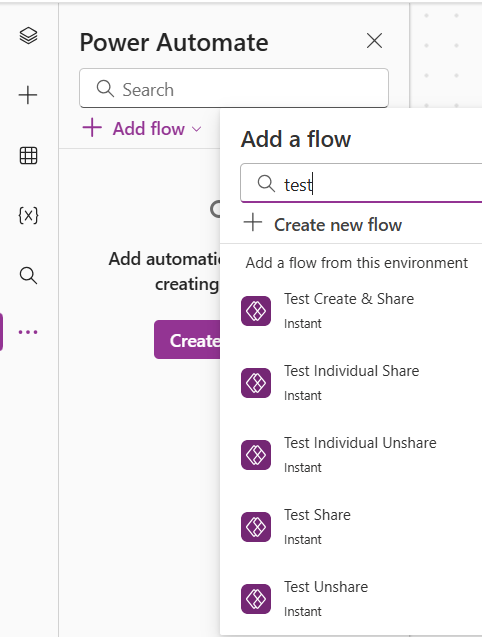
Add additional screens, as required.



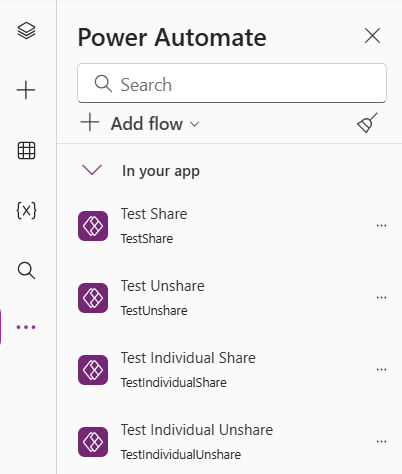
### Add Flows

Add Power Automate flows. Repeat as required.

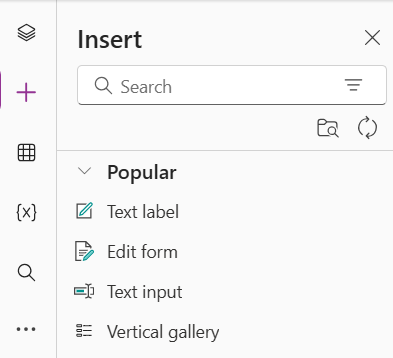


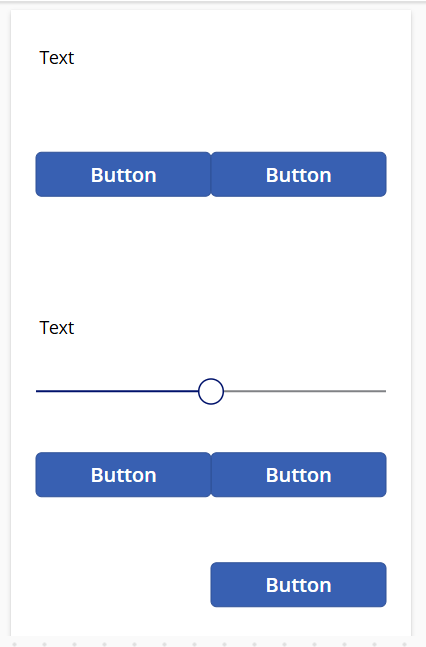


Name(s) without spaces will be used when coding.

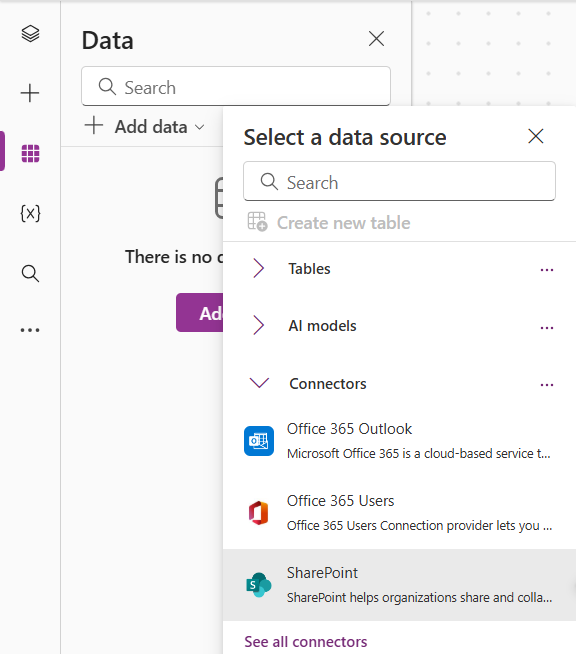


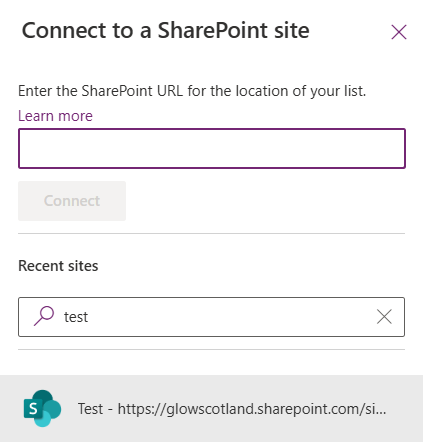
Insert the required items.

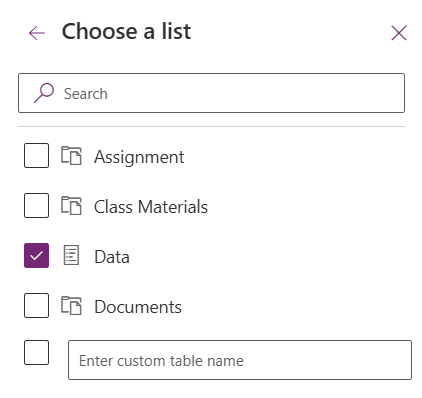




### Add Data

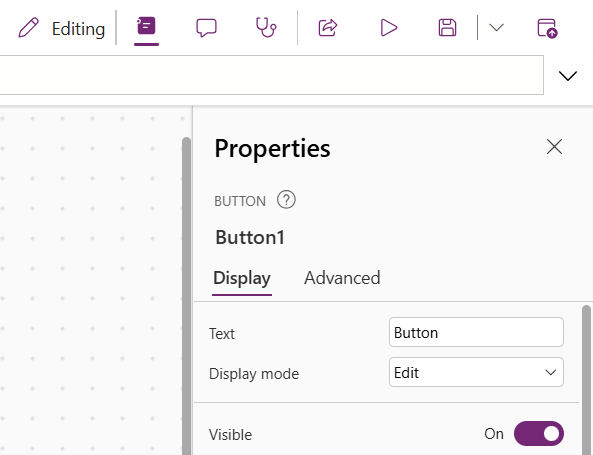


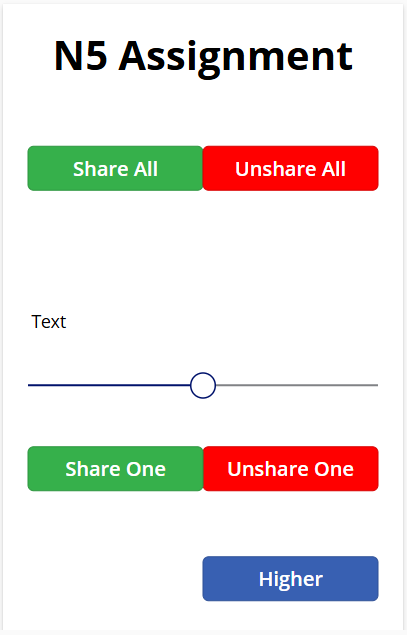




### Format App

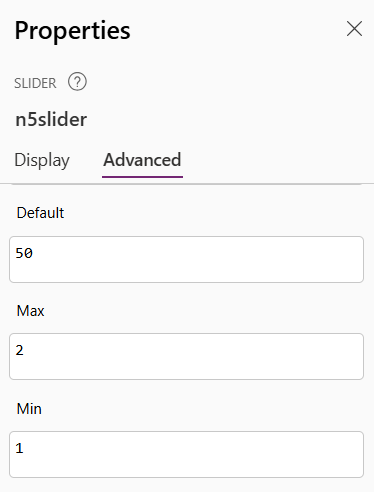
Format as required.





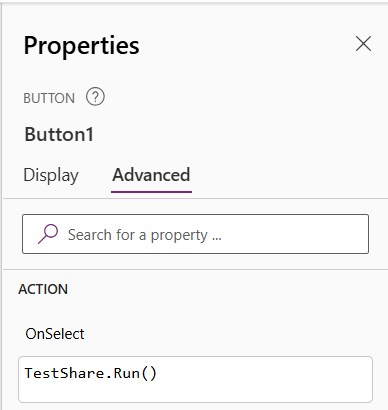
### Modify slider

Rename and set min and max values. These values are the ID values from the SharePoint list.



## Code

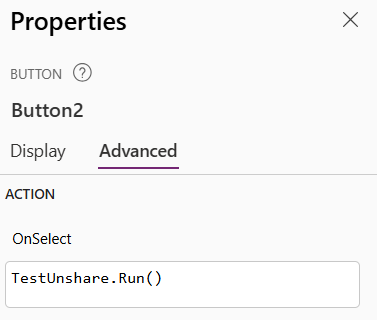
### Share All



Code:

TestShare.Run()

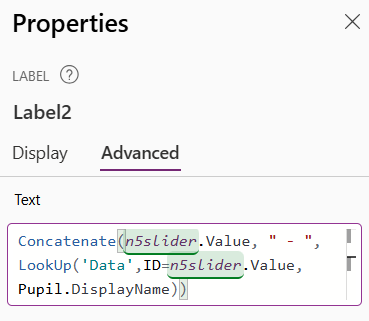
### Unshare All



Code:

TestUnshare.Run()

### Label



Code:

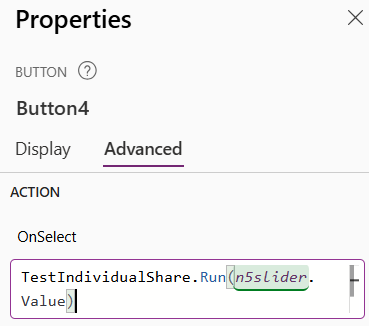
Concatenate(n5slider.Value, " - ", LookUp('Data',ID=n5slider.Value, Pupil.DisplayName))

#### Test the slider

Press and hold the *Alt* key. Drag the slider to see if the text changes.

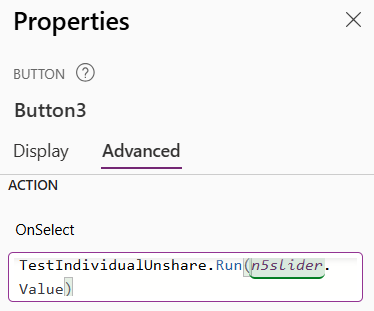
### Share One



Code:

TestIndividualShare.Run(n5slider.Value)

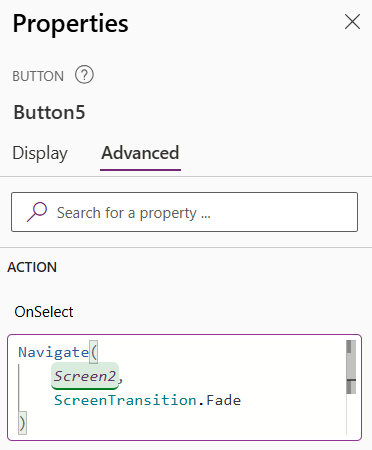
### Unshare One



Code:

TestIndividualUnshare.Run(n5slider.Value)

### Higher



Code:

Navigate(Screen2, ScreenTransition.Fade)

## Save

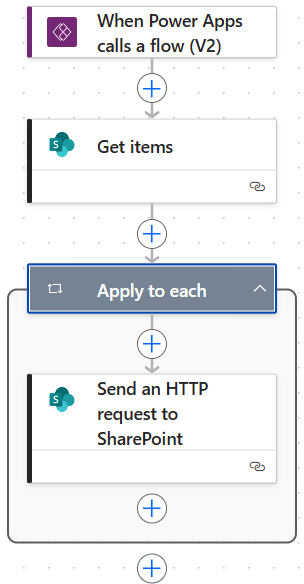
Save the app!

Version 2

# Power Automate – Remove access – All Pupils

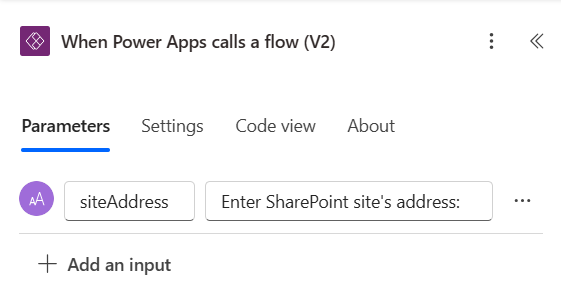
## Main Code

**NB**. Do not use drop-down lists. Enter custom values for the **Site Address** and **List Name**.



### When Power Apps calls a flow (V2)

Add a **Text** input.

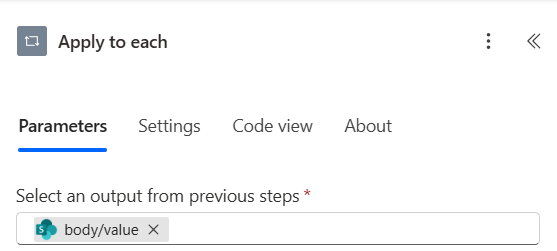


### Get items

A screenshot of a computer

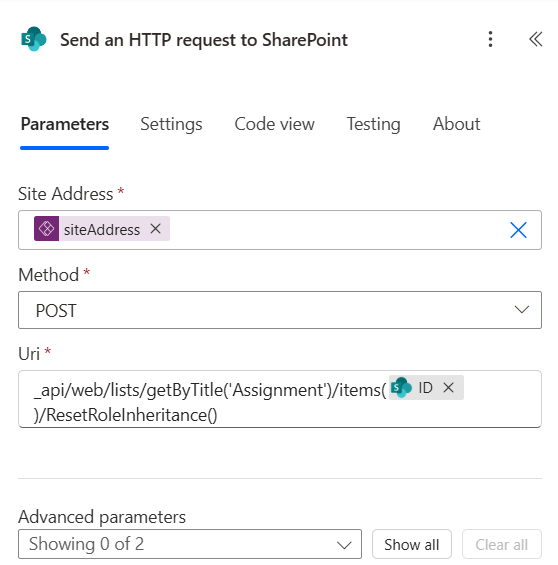
AI-generated content may be incorrect.

### Apply to each



@{outputs('Get\_items')?['body/value']}

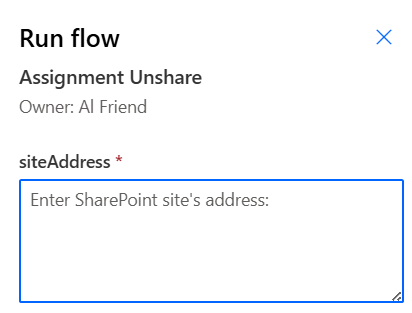
### Send an HTTP request to SharePoint



\_api/web/lists/getByTitle('Assignment')/items(@{items('Apply\_to\_each')?['ID']})/ResetRoleInheritance()

### Test

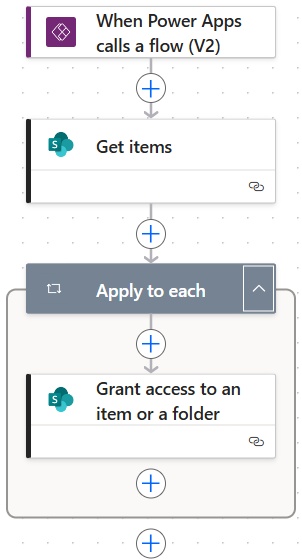
Save the flow. Turn on the flow. Run the flow.



# Power Automate – Grant Access – All Pupils

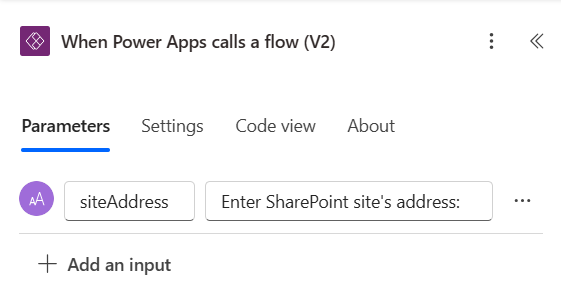
## Main Code

**NB**. Do not use drop-down lists. Enter custom values for the **Site Address** and **List Name**.

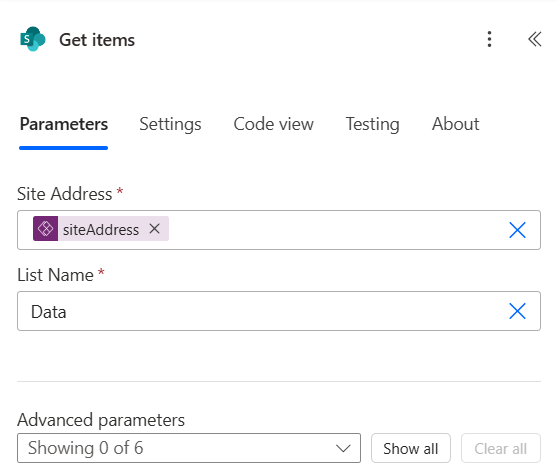


### When Power Apps calls a flow (V2)

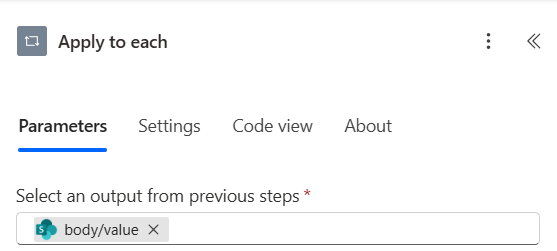
Add a **Text** input.



### Get items

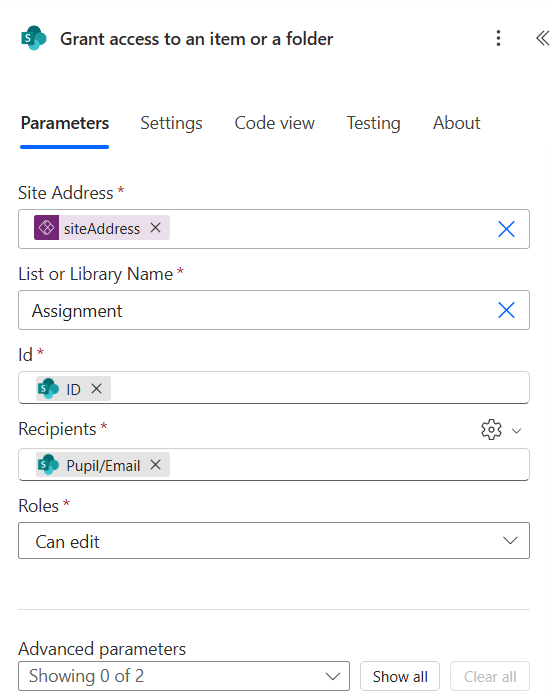


### Apply to each



@{outputs('Get\_items')?['body/value']}

### Grant access to an item or folder



@{items('Apply\_to\_each')?['ID']}

@{items('Apply\_to\_each')?['Pupil/Email']}

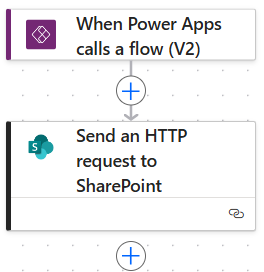
### Test

Save the flow. Turn on the flow. Run the flow.

# Power Automate – Remove access – One Pupil

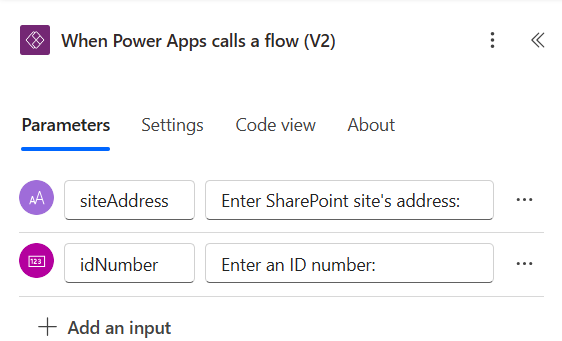
## Main Code

**NB**. Do not use drop-down lists. Enter custom values for the **Site Address** and **List Name**.

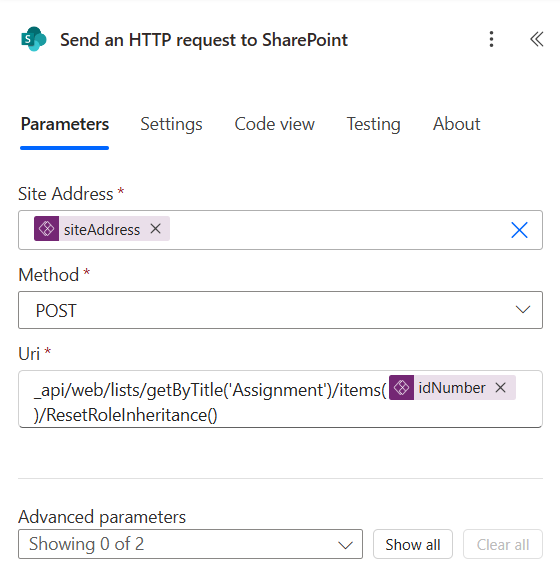


### When Power Apps calls a flow (V2)

Add a **Text** and a **Number** input.



### Send an HTTP request to SharePoint

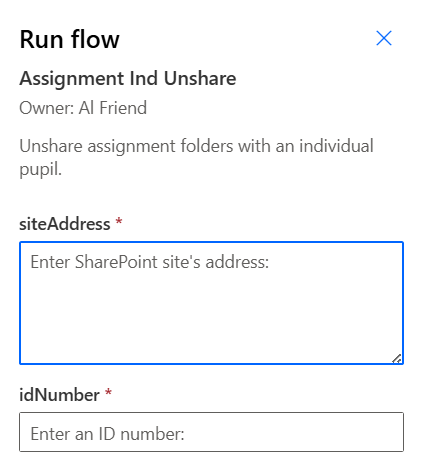


Uri:

\_api/web/lists/getByTitle('Assignment')/items(@{triggerBody()?['number']})/ResetRoleInheritance()

### Test

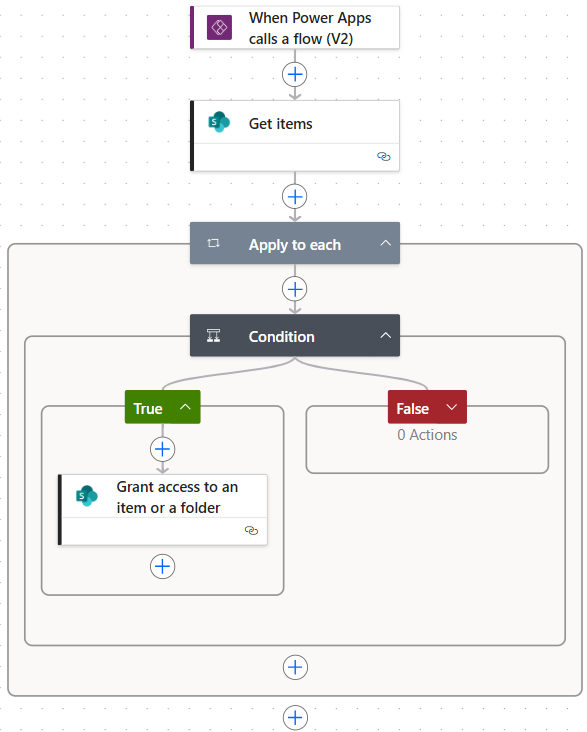
Save the flow. Turn on the flow. Run the flow.



# Power Automate – Grant Access – One Pupil

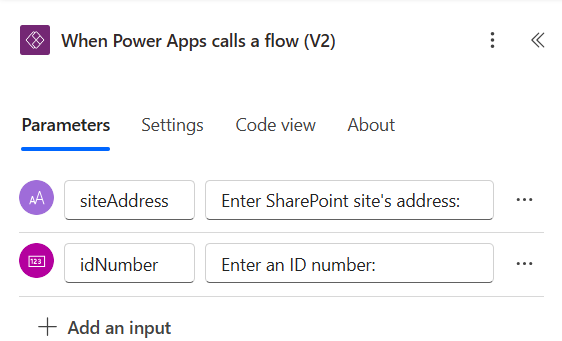
## Main Code

**NB**. Do not use drop-down lists. Enter custom values for the **Site Address** and **List Name**.

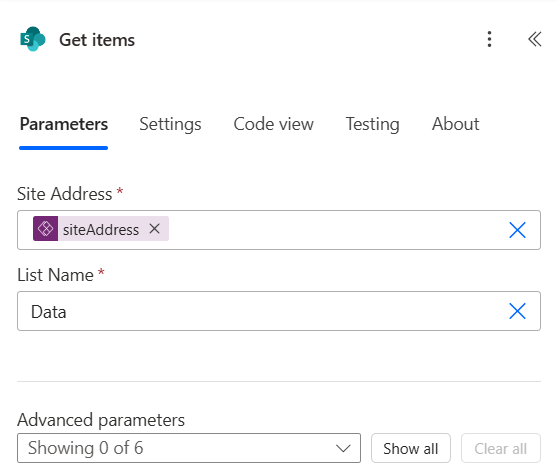


### When Power Apps calls a flow (V2)

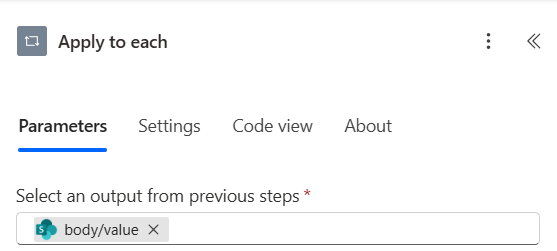
Add a **Text** and a **Number** input.



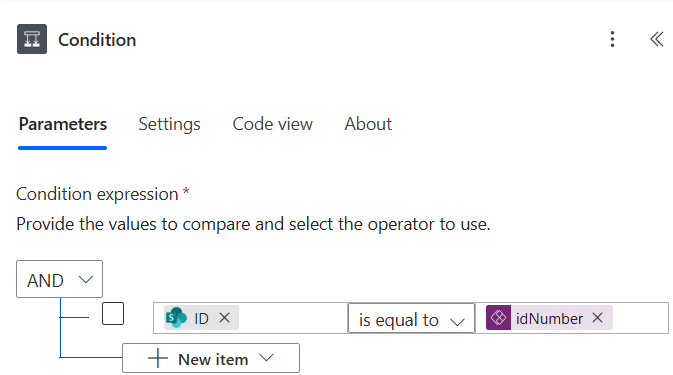
### Get items



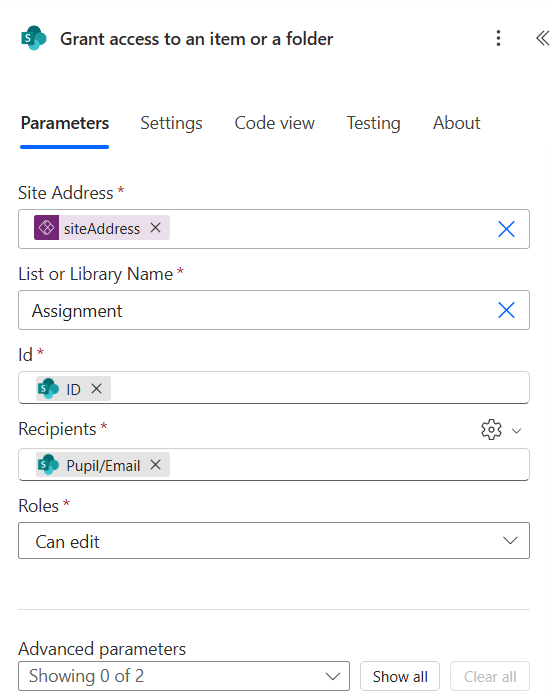
### Apply to each



### Condition



### Grant access to an item or folder



### Test

Save the flow. Turn on the flow. Run the flow.