Using SharePoint for Assignments

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# Setup

## Teams

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

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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**.

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### List

#### Create

Create a new list.

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

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AI-generated content may be incorrect.

#### Modify

##### Permissions

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

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A yellow box with text

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Stop inheriting permissions.

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Remove non-owners.

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##### Columns

Show the **ID** column.

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A screenshot of a computer screen

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Add a *Person* column.

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This one is called **Pupil**.

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#### Add Pupils

Add the required pupils.

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Glow email addresses can be used.

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### Document Library

#### Create

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

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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.

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#### Modify

##### Columns

Show the **ID** column.

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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:

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

## Create Flow

Create a flow.

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

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## Main Code

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

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### Get Items

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### Apply to each

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### Create new folder

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### Grant access to an item or a folder

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AI-generated content may be incorrect.

## Optional Code

This code can be used to create subfolders.

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### 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.

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## Run the Flow

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

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Check the result.

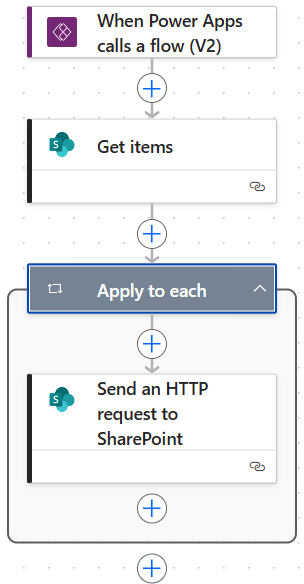
A screenshot of a computer

AI-generated content may be incorrect.

# Power Automate – Remove access – All Pupils

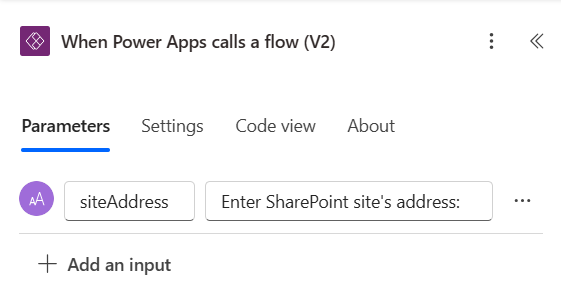
## Main Code

**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.

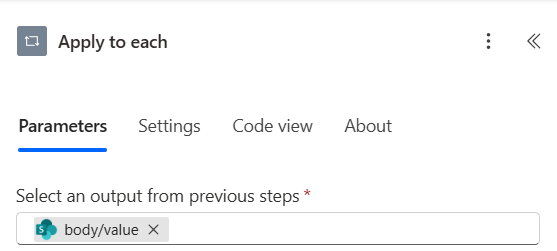


### Get items

A screenshot of a computer

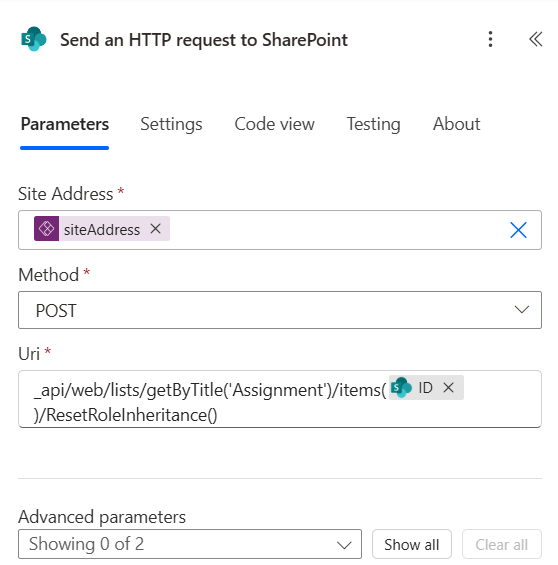
AI-generated content may be incorrect.

### Apply to each



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

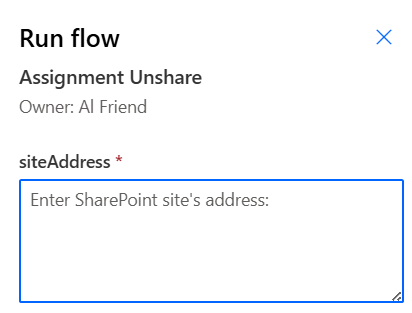
### Send an HTTP request to SharePoint



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

### Save / Run

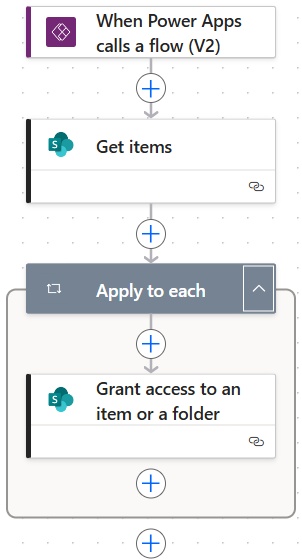
Save the flow, this one is called **Assignment Unshare**. Turn on the flow. Run the flow.



# Power Automate – Grant Access – All Pupils

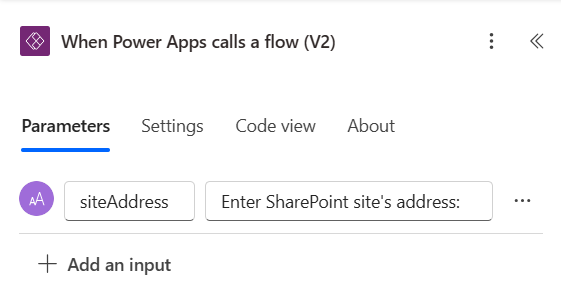
## Main Code

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

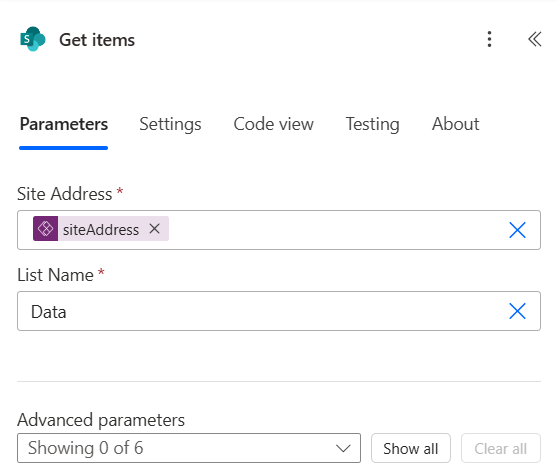


### When Power Apps calls a flow (V2)

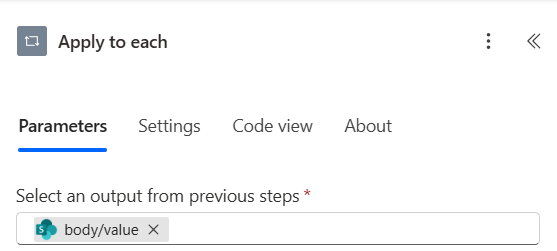
Add a **Text** input.



### Get items

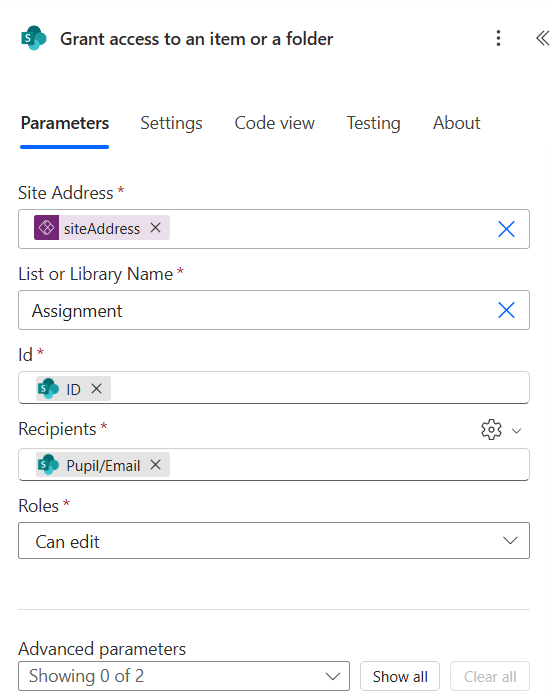


### Apply to each



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

### Grant access to an item or folder



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

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

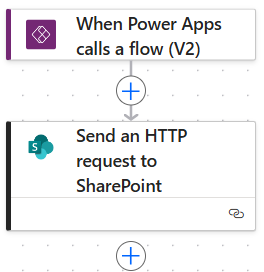
### Save / Run

Save the flow, this one is called **Assignment Share**. Turn on the flow. Run the flow.

# Power Automate – Remove access – One Pupil

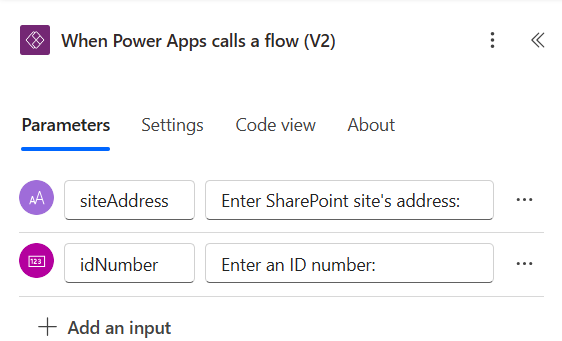
## Main Code

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

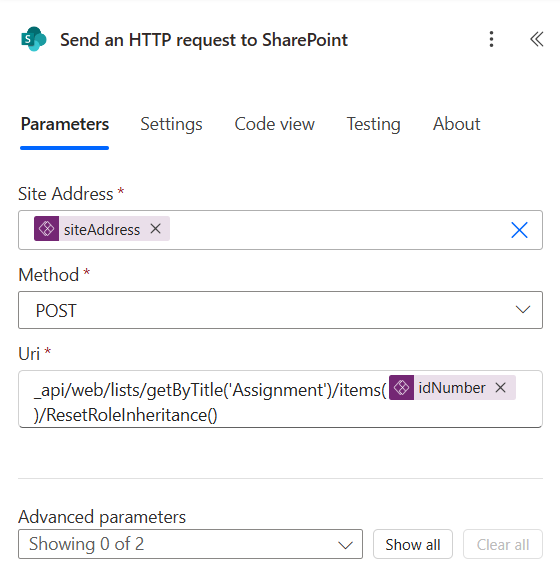


### When Power Apps calls a flow (V2)

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



### Send an HTTP request to SharePoint

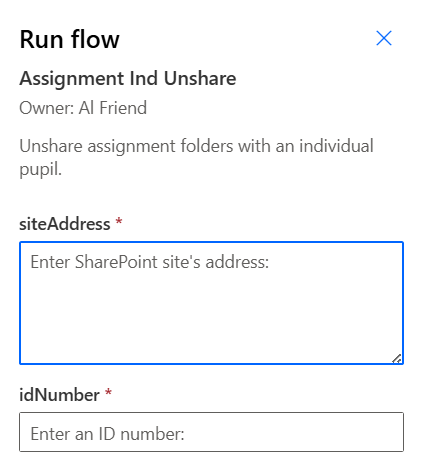


Uri:

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

### Save / Run

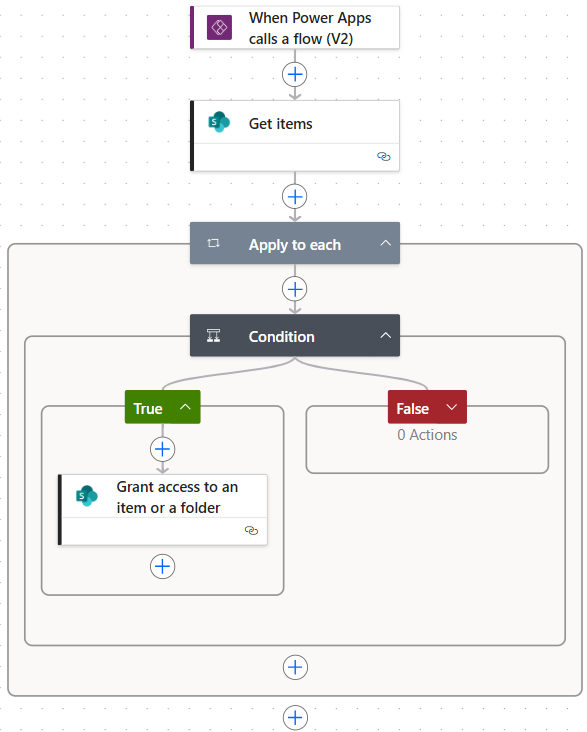
Save the flow, this one is called **Assignment Ind Unshare**. Turn on the flow. Run the flow.



# Power Automate – Grant Access – One Pupil

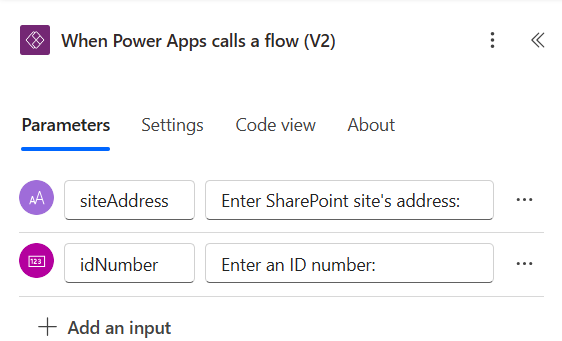
## Main Code

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

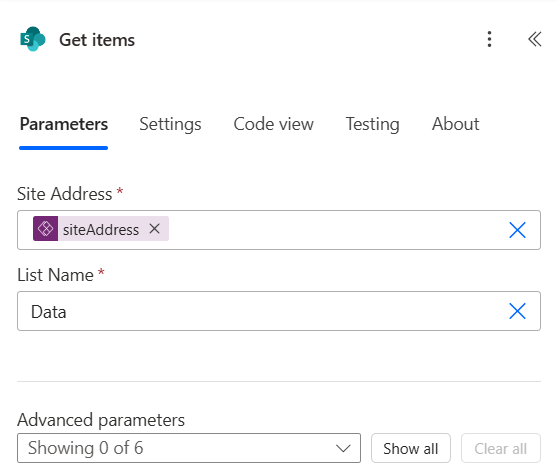


### When Power Apps calls a flow (V2)

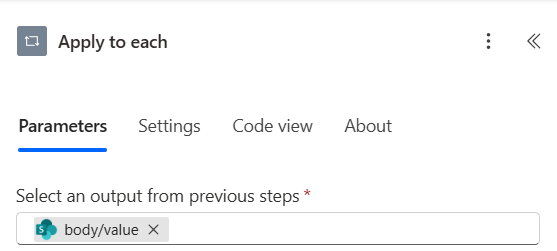
Add a **Text** and a **Number** input.



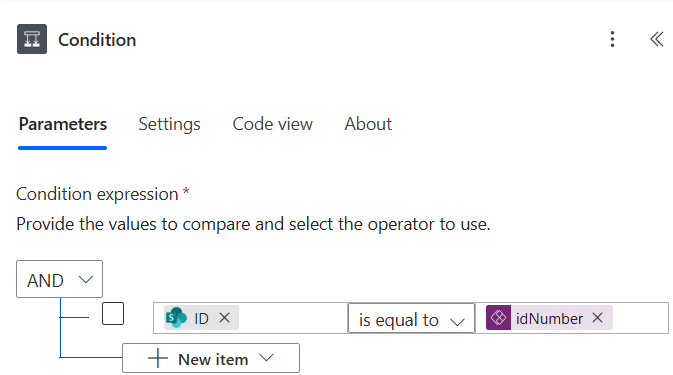
### Get items



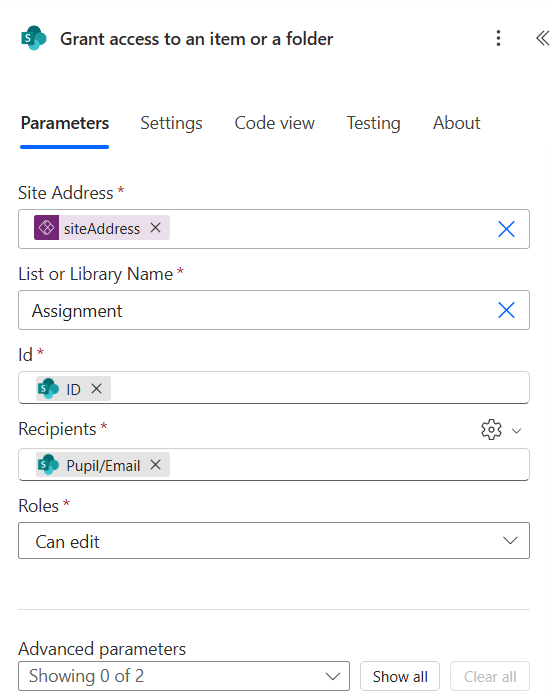
### Apply to each



### Condition



### Grant access to an item or folder



### Save / Run

Save the flow, this one is called **Assignment Ind Share**. Turn on the flow. Run the flow.

# Power Apps

## Create App

Create a new app.

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Add additional screens, as required.

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### Add Flows

Add Power Automate flows. Repeat as required.

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

Insert the required items.

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AI-generated content may be incorrect. A screenshot of a phone

AI-generated content may be incorrect.

### Add Data

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### Format App

Format as required.

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## Code

### Label 2 – Site Address

Text:

The SharePoint address of the site that has the Assignment Library.

### Button 1 – Share All

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OnSelect:

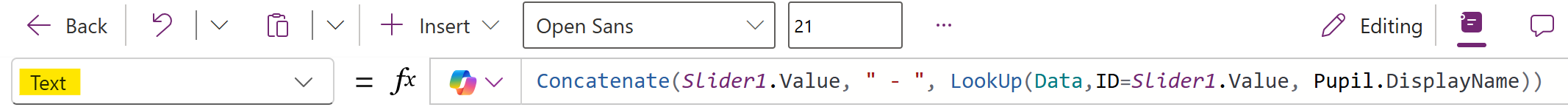
AssignmentShare.Run(*Label2*.Text)

### Button 2 – Unshare All

OnSelect:

AssignmentUnshare.Run(*Label2*.Text)

### Label3 – Current Pupil



Text:

Concatenate(Slider1.Value, " - ", LookUp(Data, ID=Slider1.Value, Pupil.DisplayName))

### Silder1 – Select Pupil

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

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### Button 3 – Share One

OnSelect:

AssignmentIndShare.Run(Label2.Text, Slider1.Value)

### Button 4 – Unshare One

OnSelect:

AssignmentIndUnshare.Run(Label2.Text, Slider1.Value)

### Button 5 – Higher

OnSelect:

Navigate(*Screen2*, ScreenTransition.Fade)

## Save

Save the app!

## Additional Screens

On **Screen1**, select all, copy, and paste onto **Screen2**.

Change the site address in *Label2-1*, the data source in *Label3-1*, and the target in *Button5-1.*

# Lessons Learned

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 than the number of pupils, i.e. 50.

Double quotes seem fine, but not with getByTitle('xxxxx') when single quotes must be used. No idea why!