

## Lab 13. Calling the SharePoint API from a flow

**Learning objective:** out of the box, Flow actions cover an essential part of the SharePoint API. However, some features are not covered, and you need to invoke the SharePoint API. That's what the **Send an HTTP Request to SharePoint** action is all about.

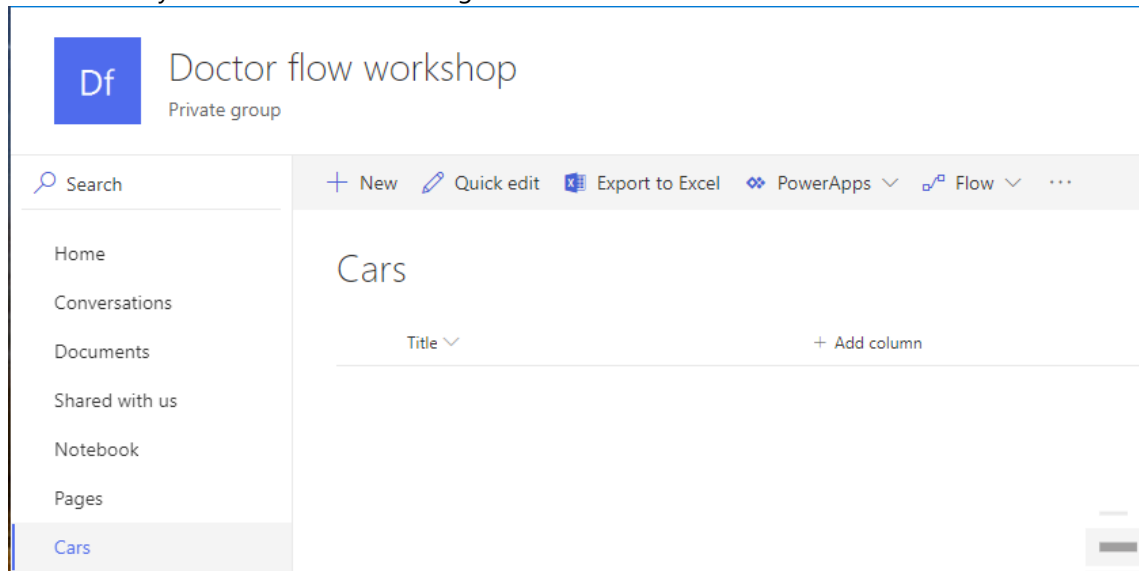
**Duration:** 30 minutes

**Scenario:** in this example, we will create a Flow that will add a new currency field called "Price" to an existing SharePoint list. No existing out of the box action covers this.

### Tasks:

Make sure you are familiar with the SharePoint REST API; if not, read this documentation <https://docs.microsoft.com/en-us/sharepoint/dev/sp-add-ins/working-with-lists-and-list-items-with-rest>, most specifically the section "The following example shows how to **create a custom field for a list**".

Go to one of your SharePoint list settings:



Copy the **list URL** to Notepad; we'll need to use its **GUID**.

`/_layouts/15/listedit.aspx?List=%7B6e001973-c655-412d-8788-c1d8c2da26ed%7D`

Copy the **list ID**, but remove the first tree and last tree characters:

/\_layouts/15/listedit.aspx?List=%7B6e001973-c655-412d-8788-c1d8c2da26ed%7D

Create a new Flow from scratch. The Flow must start with a Button.

Add a **Send an HTTP request to SharePoint** action defined like this (use your SharePoint URL and the list guid that you copied to notepad):

The screenshot shows the Microsoft Flow Designer interface. At the top, there is a blue button labeled "Manually trigger a flow". Below it, a plus sign in a circle indicates where to add a new action. The action added is "Send an HTTP request to SharePoint". The configuration for this action is as follows:

- Site Address \***: A dropdown menu showing "Contoso Expenses - https://contoso.sharepoint.com/sites/FlowsDemos".
- Method \***: A dropdown menu showing "POST".
- Uri \***: A text box containing "\_api/web/lists('6e001973-c655-412d-8788-c1d8c2da26ed')/fields".
- Headers**: A table with two columns: "Enter key" and "Enter value".
- Body**: A text box containing the JSON payload: 

```
{'Title': 'Price', 'FieldTypeKind': 10, 'Required': 'false', 'EnforceUniqueValues': 'false', 'StaticName': 'Price'}
```

And in the body:

```
{'Title': '<yourfirstnamelastname>', 'FieldTypeKind': 10, 'Required': 'false', 'EnforceUniqueValues': 'false', 'StaticName': 'Price_<yourfirstnamelastname>'}
```

Save and run your Flow. Typically, you will have a new column named "Price\_<yorfirstnamelastname>".

