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plain concepts







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## WiFi Keys for Attendees

- Connect to the wireless network MSFT\_GUEST
- · Login details for the wireless network:
  - · Guest Username <u>O365Sat@outlook.com</u>
  - · Guest Password: 0195

#### Agenda

Reusable controls (React)

Reusable property pane controls (React)

PnPJS library

Demo

A few minutes ago, in a office not that far away...a developer was writing the same code he did last week

# Reusable controls

Reusable React controls for SharePoint Framework solutions

#### Reusable controls

Common project requirements

Use Office UI Fabric

Rich user experience

Used in pages (content)

"SharePoint-aware"

Very simple to configure and use

Extensible events

Open source

## FileTypeIcon

Returns the file type icon based on a specified file path or application.

Excel (font): 🛍

Excel (image): 🛍

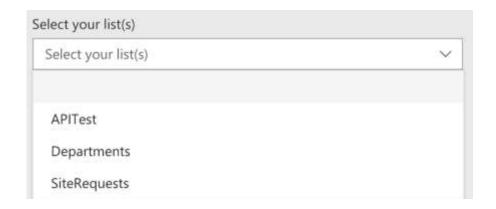
Word (font): 🛍

Word (image): 🖷

#### ListPicker

Allows you to select one or multiple available lists/libraries of the current site.

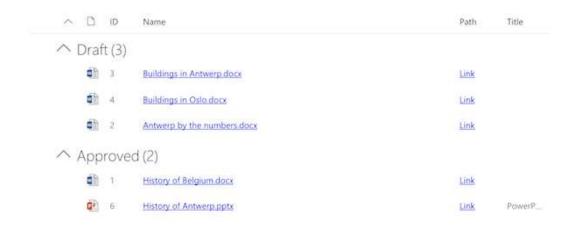






#### ListView

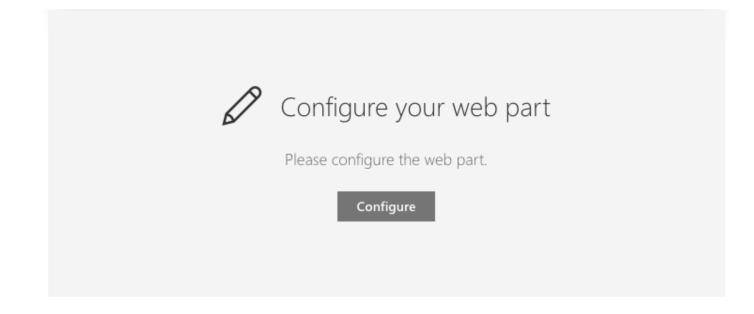
Renders a list view for the given set of items.



		ID ↓	Name	Path	Title
		1	SPFx document.docx	Link	
	<ul><li>2</li><li>✓ □ 3</li></ul>		How to let custom property fields trigger the apply b	Link	
0			SharePoint framework breadcrumb extension.docx	Link	
		4	How to let custom property fields trigger the apply b	Link	
		5	IMG 5091JPG	Link	
	P.	6	SPFx session.pptx	Link	PowerPoint Prese
		9	SPFx marketing.pdf	Link	

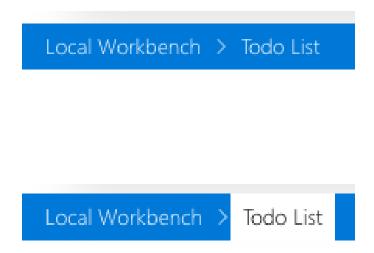
#### Placeholder

Renders a placeholder which can be used to show a message indicating the web part still has to be configured.



#### SiteBreadcrumb

Returns a breadcrumb based on the current location.



#### WebPartTitle

Renders a web part title that is editable when the page is in edit mode.



## SecurityTrimmedControl

Show or hide components based on user permissions.

Check permissions on the current site

Check permissions on the current list

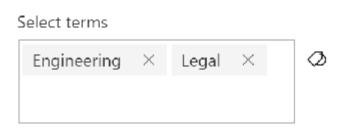
Check permissions on remote site
Check permissions on remote list /
library

#### Checking permissions on the current site

</SecurityTrimmedControl>

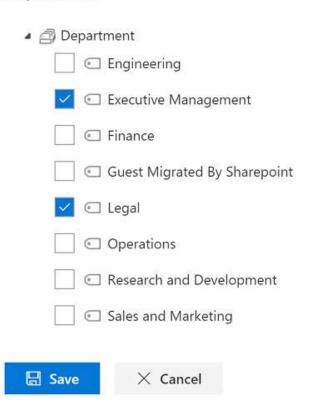
### TaxonomyPicker

Allows you to select one or more Terms from a TermSet via its name or TermSet ID.



#### Select Term

#### Department



## IFrameDialog

Renders a Dialog with an iframe as content.



#### Field Controls

React controls that can be used in SPFx Field Customizers to provide rendering of the fields similar to out of the box experience.

- FieldAttachmentsRenderer
- FieldDateRenderer
- FieldFileTypeRenderer
- FieldLookupRenderer
- FieldNameRenderer

- FieldTaxonomyRenderer
- FieldTextRenderer
- FieldTitleRenderer
- FieldUrlRenderer
- FieldUserRenderer

# Reusable property pane controls

Reusable property pane controls for SharePoint Framework solutions

#### Reusable property-pane controls

Common project requirements

Use Office UI Fabric

Rich user experience

Used in web part property-pane

"SharePoint-aware"

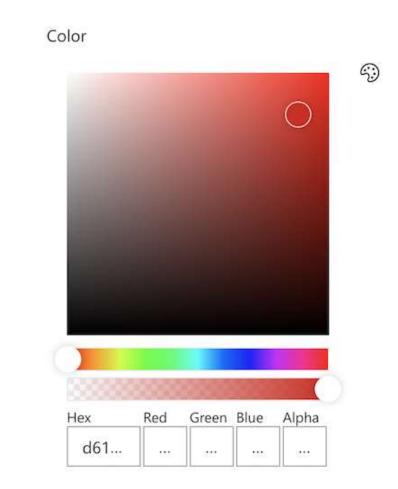
Very simple to configure and use

Extensible events

Open source

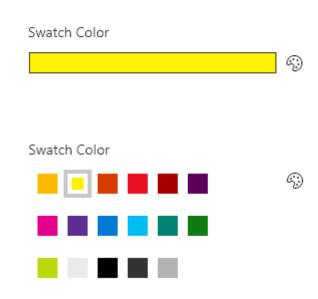
## PropertyFieldColorPicker

Generates a color picker that you can use inside the property pane.



#### PropertyFieldSwatchColorPicker

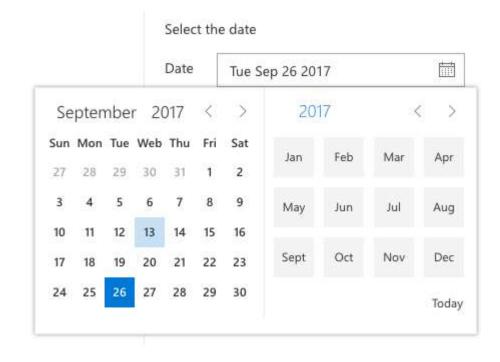
generates a swatch color picker that you can use inside the property pane.



## PropertyFieldDateTimePicker

Generates a Date and Time picker field that can be used in the property pane of your SharePoint Framework web parts.

The control can be configured to be date only or date and time.

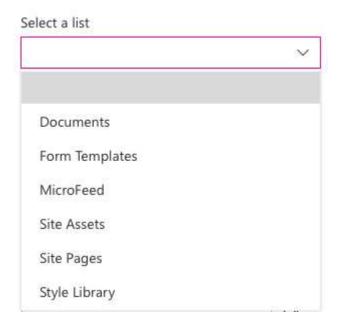


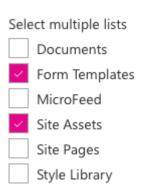


## PropertyFieldListPicker

Generates a list picker field that can be used in the property pane of your SharePoint Framework web parts.

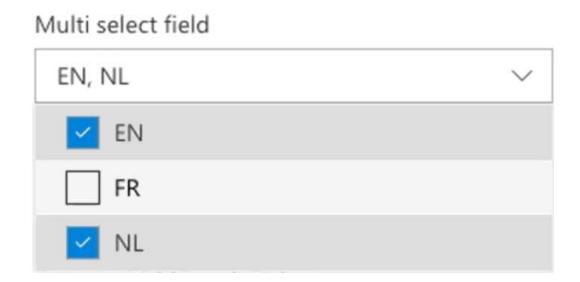
The control can be configured as a single or multi-selection list picker.





## PropertyFieldMultiSelect

Generates a dropdown with the possibility of selecting multiple values.



## PropertyFieldNumber

Generates an input field for numbers. Text is not allowed as this will result into an invalid input.

#### Number value only

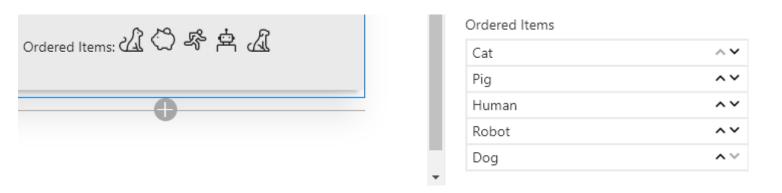
123deg

Number field description

The value should be a number, actual is: 123deg.

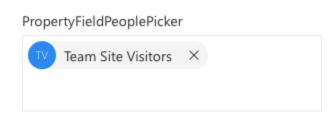
## PropertyFieldOrder

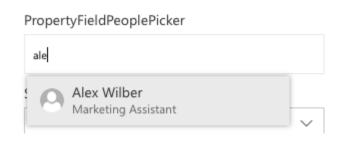
Generates a list that can be easily reordered using drag and drop and/or arrow buttons.



## PropertyFieldPeoplePicker

Generates a people / group picker that can be used in the property pane of your SharePoint Framework web parts.







## PropertyFieldSpinButton

Generates a spin button which allows the user to incrementally adjust a value in small steps.



## PropertyFieldTermPicker

Generates a term picker that can be used in the property pane of your SharePoint Framework web parts.



#### Select terms

#### Taxonomy\_0tKSfiSEU3ed1RdcA7sGrA==



## PropertyFieldCollectionData

Gives you the ability to insert a list / collection data which can be used in your web part.



#### Controls with callout

Standard controls with callout for displaying additional contextual information

- PropertyFieldButtonWithCallout
- PropertyFieldCheckboxWithCallout
- PropertyFieldChoiceGroupWithCallout
- PropertyFieldDropDownWithCallout
- PropertyFieldLabelWithCallout

- PropertyFieldLinkWithCallout
- PropertyFieldSliderWithCallout
- PropertyFieldTextWithCallout
- PropertyFieldToggleWithCallout

# Do you still build your SharePoint REST requests as long strings?

If so, this is when you start crying

# PnPJS

Fluent JavaScript API for consuming SharePoint and Office 365 REST APIs

#### PnPJS

Fluent API SharePoint and Office 365 REST APIs New: Managed Metadata! Type-safe Very simple to configure and use Removes the complexity of some operations Easy to batch requests Multiple packages, only install what's required SharePoint Framework, Node.js, or JavaScript projects Open source

## Packages - @pnp/

#### common

Provides shared functionality across all pnp libraries

#### config-store

Provides a way to manage configuration within your application

#### graph

Provides a fluent api for working with Microsoft Graph

#### logging

Light-weight, subscribable logging framework

#### nodejs

Provides functionality enabling the @pnp libraries within nodejs

#### odata

Provides shared odata functionality and base classes

#### pnpjs

Rollup library of core functionality (mimics sp-pnp-js)

#### sp

Provides a fluent api for working with SharePoin REST

#### sp-addinhelpers

Provides functionality for working within SharePoint add-ins

#### sp-clientsvc

Provides based classes used to create a fluent api for working with SharePoint Managed Metadata

#### sp-taxonomy

Provides a fluent api for working with SharePoint Managed Metadata

#### Get

```
// get all items
const items = await sp.web.lists.getByTitle("My List").items.get();
// get a specific item by id
sp.web.lists.getByTitle("My List").items.getById(1).get()
// use odata operators for more efficient queries
sp.web.lists.getByTitle("My List").items.select("Title",
"Description").top(5).orderBy("Modified", true).get()
```

#### Ado

```
// add an item to the list
sp.web.lists.getByTitle("My List").items.add({
    Title: "Title",
    Description: "Description"
}).then((iar: ItemAddResult) => {
    console.log(iar);
});
```

#### Batch

```
let batch = sp.web.createBatch();
list.items.inBatch(batch).add({......}, entityTypeFullName).then(b => {
    console.log(b);
});
list.items.inBatch(batch).add({......}, entityTypeFullName).then(b => {
    console.log(b);
});
batch.execute().then(d => console.log("Done"));
```

#### Demo



Web part to list documents from a SharePoint document library

The web part should be configurable to allow the user to

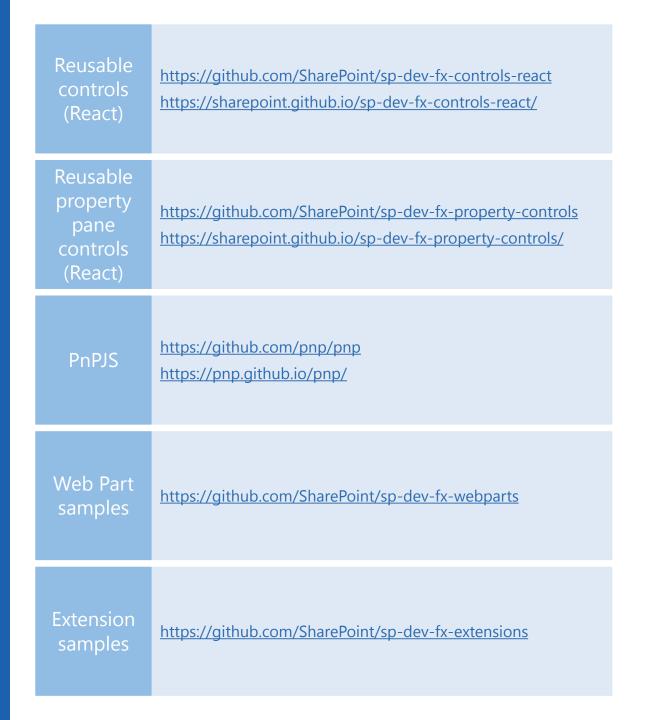
- · select the source list from the site
- · Select a managed metadata term to use as filter

List, managed metadata and sample data already available on a test site

#### Source code:

https://github.com/joelfmrodrigues/demos/tree/master/PnP%20 Controls

#### Resources

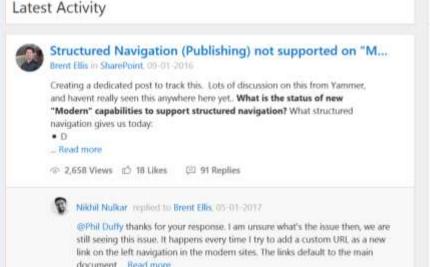


# Thank you!

Questions?









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- Trusted resource for news, best practices and answers from Microsoft product teams and MVPs
- Join today! It's free sign in with your Microsoft Account.

#### Raffle

Please, fill your SP & Office 365 Saturday Madrid passport if you want to participate.

You can win one of these gifts:







2x





#### Pasaporte / Passport

Si deseas participar en **el sorteo final**, deberás conseguir la firma de nuestros patrocinadores <u>Platinum</u>, Gold y Silver en sus stands. Una vez que tengas todas las firmas, rellena tu valoración de las sesiones y entrega esta hoja a las 18:15 en la sala Auditorio.

If you want to participate in **the final raffle**, you must get the signature of our Platinum, Gold and Silver sponsors in their stand. Once you have all the signatures, complete the poll about the sessions and give us this sheet at 18:15 PM in the Auditorium room.

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-A	c. \$	A	< **	< **
plain concepts	raona	RICOH imagine. change.	💡 happit	<b>⊚</b> <u>icefire</u>
< **	-A	-A	-t	< A

My name is: Odor

My e-mail: Odor@winterfell.com

Por favor, puntúa las sesiones en el campo gris con números desde 1 (muy mal) a 10 (gran sesión).

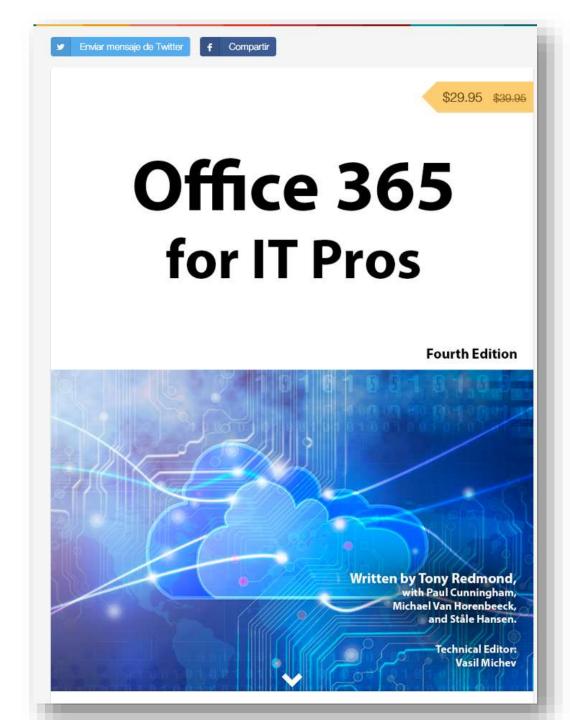
Please, rate sessions in the greyed field with numbers from 1 (too bad) to 10 (great session).

 Trease, rate sessions in the Breyea new with numbers from a (too bad) to at (Breat session).								
9:30 AM -	Lorem Ipsum		Lorem Ipsum		Lorem Ipsum		Lorem Ipsum	
10:30 AM	Lorem		Lorem		Lorem		Lorem	
			10					
10:30 AM -	Lorem Ipsum		Lorem Ipsum		Lorem Ipsum		Lorem Ipsum	
11:30 AM	Lorem		Lorem		Lorem		Lorem	
					9			
11:45 AM -	Lorem Ipsum		Lorem Ipsum		Lorem Ipsum		Lorem Ipsum	
12:45 PM	Lorem 8		Lorem		Lorem		Lorem	

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Get a discount of \$10 buying the book here:

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