

Caml2Table

Dan Toft



@Tanddant
<https://Dan-Toft.dk>

EVOBIS



About this sample

- Why did I make this sample
- What is CAML – and when/why do we use it?
- PnPJS - PnP Reusable controls
- React Context



Demo

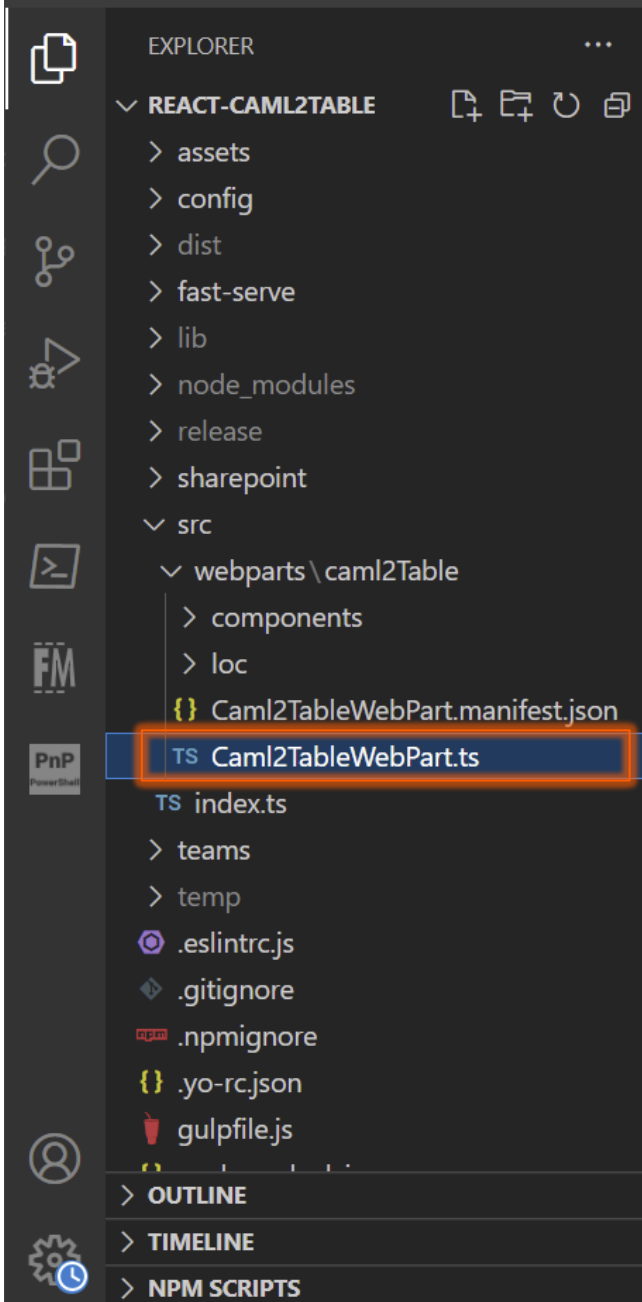
Use for views

```
Windows PowerShell
PS C:\Users\Dan> Connect-PnPOnline "https://2v8lc2.sharepoint.com/sites/TanddantTest" -Interactive
PS C:\Users\Dan> Set-PnPView -List "Onboarding tasks" -Identity "My pending tasks" -Values @{ViewQuery =
    "<Where><And><Membership Type='CurrentUserGroups'><FieldRef Name='Responsible' /></Membership><Neq><FieldRef Name='Status' /><Value Type='Choice'>Done</Value></Neq></And></Where>"}

Title                Id                Default Personal
-----                --                -
My pending tasks     a1d41ffa-9bac-4731-851a-b6f1294278f6  False    False

PS C:\Users\Dan> |
```

Code



TS Cam12TableWebPart.ts X


src > webparts > caml2Table > TS Cam12TableWebPart.ts > Cam12TableWebPart > getPropertyPaneConfiguration > pages

```
8 import { spfi, SPFI, SPFx } from '@pnp/sp/presets/all';
9
10 export interface ICaml2TableWebPartProps { }
11
12 export interface ICaml2TableContext {
13   SPFxContext: BaseComponentContext;
14   spfi: SPFI;
15 }
16 export const Caml2TableContext = React.createContext<ICaml2TableContext>(null);
17
18 export default class Caml2TableWebPart extends BaseClientSideWebPart<ICaml2TableWebPartProps> {
19   public render(): void {
20     const PnpJS = spfi().using(SPFx(this.context));
21     const component: React.ReactElement<ICaml2TableProps> = React.createElement(Caml2Table, {});
22     const wrapper = React.createElement(
23       Caml2TableContext.Provider,
24       {
25         value: {
26           SPFxContext: this.context,
27           spfi: PnpJS
28         } as ICaml2TableContext
29       }, component);
30
31     ReactDOM.render(wrapper, this.domElement);
32   }
33
34   protected onDispose(): void {
35     ReactDOM.unmountComponentAtNode(this.domElement);
36   }
```



TS Caml2TableWebPart.ts X

TS Caml2TableWebPart.ts

 **gulpfile.js**

> NPM SCRIPTS

36

```
ReactDOM.unmountComponentAtNode(this.domElement);
```



EXPLORER

REACT-CAML2TABLE

- > assets
- > config
- > dist
- > fast-serve
- > lib
- > node_modules
- > release
- > sharepoint
- ▼ src
 - ▼ webparts\caml2Table
 - ▼ components
 - Caml2Table.module.scss
 - TS Caml2Table.module.scss.ts
 - TS Caml2Table.tsx
 - > loc
 - { } Caml2TableWebPart.manifest.json
 - TS Caml2TableWebPart.ts
 - TS index.ts
 - > teams
 - > temp
 - .eslintrc.js
 - .gitignore
 - > OUTLINE
 - > TIMELINE
 - > NPM SCRIPTS

TS Caml2TableWebPart.ts

TS Caml2Table.tsx

src > webparts > caml2Table > components > TS Caml2Table.tsx > [C] Caml2Table

```
27
28 export interface ICaml2TableProps { }
29
30 const Caml2Table: React.FunctionComponent<ICaml2TableProps> = (props: React.PropsWithChildren<ICaml2TableProps>) => {
31   const { SPFxContext, spfi } = React.useContext(Caml2TableContext);
32   const [list, setList] = React.useState<string>(null);
33   const [query, setQuery] = React.useState<string>(defaultQuery);
34   const [results, setResults] = React.useState<object[]>(null);
35
36   const DoSearch = async () => {
37     setResults(null);
38     const result = await spfi.web.lists.getById(list).getItemsByCAMLQuery({ ViewXml: query });
39     setResults(result);
40   }
41
42   return (
43     <>
44       <ListPicker
45         context={SPFxContext}
46         label="Select your list"
47         includeHidden={false}
48         multiSelect={false}
49         selectedList={list}
50         onSelectionChanged={(list) => setList(list !== "NO_LIST_SELECTED" ? list as string : null)}
51       />
52       <br />
53       <CodeEditorEditable
54         language={"XML"}
55       />
56     </>
57   );
58 }
```


Thank you!

react-caml2table:

<https://github.com/pnp/sp-dev-fx-webparts/tree/main/samples/react-caml2table>

CAML Query

<https://learn.microsoft.com/sharepoint/dev/schema/collaborative-application-markup-language-caml-schemas>

PnP Reusable controls

<http://aka.ms/pnp-react-controls>

 @Tanddant
<https://Dan-Toft.dk>

