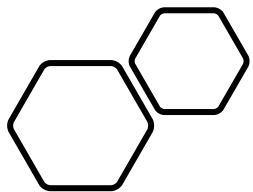



PnP React ListView Context Menu




Extend the PnP React SPFx ListView
control with a contextual menu



About me

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- <https://mmsharepoint.wordpress.com> 
- Proud dad of 1  (2yrs)





**Extend the PnP React
SPFx ListView control
with a contextual menu
to perform actions on
selected list items**



The columns

```
this.items = [
  {
    Firstname : 'Hans',
    Lastname : 'Hansen',
    Street : 'Holstenstrasse',
    StreetNo : '76',
    Salary : '2100',
    EmployeeLocation: { Title: 'Hamburg' }
  },
]
```

```
private ViewFields: IViewField[] = [
  {
    name: "Firstname",
    sorting : true,
    maxWidth:70
  },
  {
    name: "Lastname",
    sorting : true,
    maxWidth:70
  },
  {
    name: "",
    sorting: false,
    maxWidth: 40,
    render: (rowitem: IListItem) => {
      const element:React.ReactElement<IECBProps> = React.createElement(
        ECB, {
          item:rowitem
        }
      );
      return element;
    }
  },
  {
    name: "Street",
    sorting : true,
```

ECB

(Edit Control Block)

Hansen ⋮ Holsten

Hansen	⋮	Holstenstrasse	76
Clausen	Action 1		

```
export class ECB extends React.Component<IECBProps, {}> {  
  public constructor(props: IECBProps) {  
    ...  
  }  
  
  public render() {  
    return <div className={styles.ecb}>  
      <IconButton  
        id='ContextualMenuButton1'  
        className={styles.ecbbutton}  
        text=''  
        width='30'  
        split={false}  
        iconProps={ { iconName: 'MoreVertical' } }  
        menuIconProps={ { iconName: '' } }  
        menuProps={ {  
          shouldFocusOnMount: true,  
          items: [  
            {  
              key: 'action1',  
              name: 'Action 1',  
              onClick: this.handleClick.bind(this, this.props.item.Firstname + ' Action 1')  
            },  
            {  
              key: 'divider_1',  
              itemType: ContextualMenuItemType.Divider  
            },  
            {  
              key: 'action2',  
            }  
          ]  
        } }  
      </IconButton>  
    </div>  
  }  
}
```

And Action ...

```
private handleClick(source: string, event: any) {  
  alert(source + ' clicked');  
}
```

Hans Action 1 clicked

OK

What else?

- Standard List extensions:
 - List command
 - Fixed but extendable (ECB)
 - Located different in bar but can act on selected item(**s**), too
 - Field customizer: “Misuse” existing list column
 - NO chance to insert additional column not present in list view
- List formatting
 - No Javascript ... 🤖

Resources

- <https://mmsharepoint.wordpress.com/2018/03/11/extend-pnp-sharepoint-framework-react-listview-control-with-a-context-menu/>
[BlogPost]
- <https://github.com/pnp/sp-dev-fx-webparts/tree/main/samples/react-listview-context-ecb>
[PnP Sample]
- <https://pnp.github.io/sp-dev-fx-controls-react/controls/ListView.ContextualMenu/>
[PnP Documentation]