

# PnP Community Sample

## List Formatting Payment Registration

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André Lage

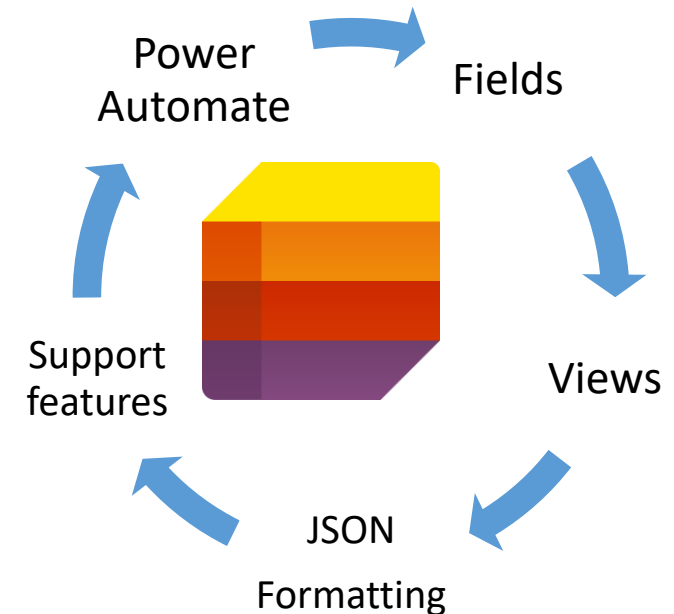
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GitHub: <https://github.com/aaclage>



# Analyze Payment Registration

- Validate what already exist and improve for our own needs.
  - Expenses tracker Template
  - Define Rules (Cost limits → Cost approval)
- Additional JSON formatting
  - **File Picker → Document Library**
  - **Locations → Bing Maps**
  - **Payment Timeline View**
  - **Mobile View List formatting**
- Use existing features
  - **Microsoft SharePoint Page**
    - **Filter Web Parts**
  - **Microsoft Power Automate**
    - **Declarative JSON for Flow (Expense Approval)**
  - **Microsoft Teams**
    - **Adaptive Card - Expense Approval flow**



# Analyze Template Expense tracker

Recruitment trac...

Travel requests

Work progress tr...

Content scheduler

Gift ideas

Expense tracker

Expense tracker

Record all your expenses in one place.

Item	Date	Amount	Category	Description	Receipt
Grocery run	2/01/2022	\$110.25	Household	Trip to local store to stock up on staples during their monthly sale.	
Exercise bike	2/04/2022	\$605.27	Health	Late start to 2022 resolution. First addition to home gym.	
Friday night pizza	2/04/2022	\$27.56	Food	1 XL veggie pizza for everyone!	
Cab ride to airport	2/09/2022	\$45.00	Car/Transport	Car in service, cab to airport and back.	
Babysitter	2/11/2022	\$60.00	Household	Payment to Hayden for babysitting. Paid in cash, no receipt available.	
Skiing lessons	2/03/2022	\$80.00	Hobby	Tubing and skiing as part of Alpine membership!	
Plumber	2/14/2022	\$150.00	Household	Payment to fix leaky sink in the kitchen. Paid via	

< Back


Use template

Cancel



Microsoft List Templates

# List format - Payment Registration


**Travel to xxx**  3

Amount -250 CHF


Taxi expense -20 CHF


**Total** -270 CHF


**Description**  
cost expense for travel...

City: Paris Country: FR  
State: Île-de-France Street: 5 Avenue Anatole France 

Last Modified 6/5/2022 by Andre Lage


**Get Response** 

**Condition** 

 body/su... x is equal to Reject

+ Add

If no Update Status Approved





**Payment supermarket**

Amount -1100

Taxi 0

Invoice Location

Approve Rejected View Item



Travel to xxx  
JUN 8, 2022

-250 CHF     



Payment supermarket  
MAY 21, 2022

-1100 CHF    1   

Invoice



Amount -1100 CHF

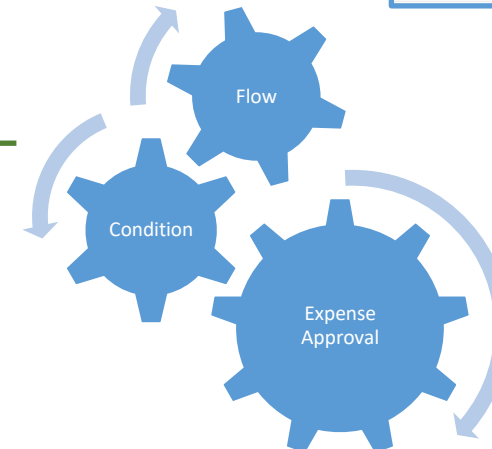
Taxi 0 CHF

**Total** -1100 CHF

Tap to rate

4

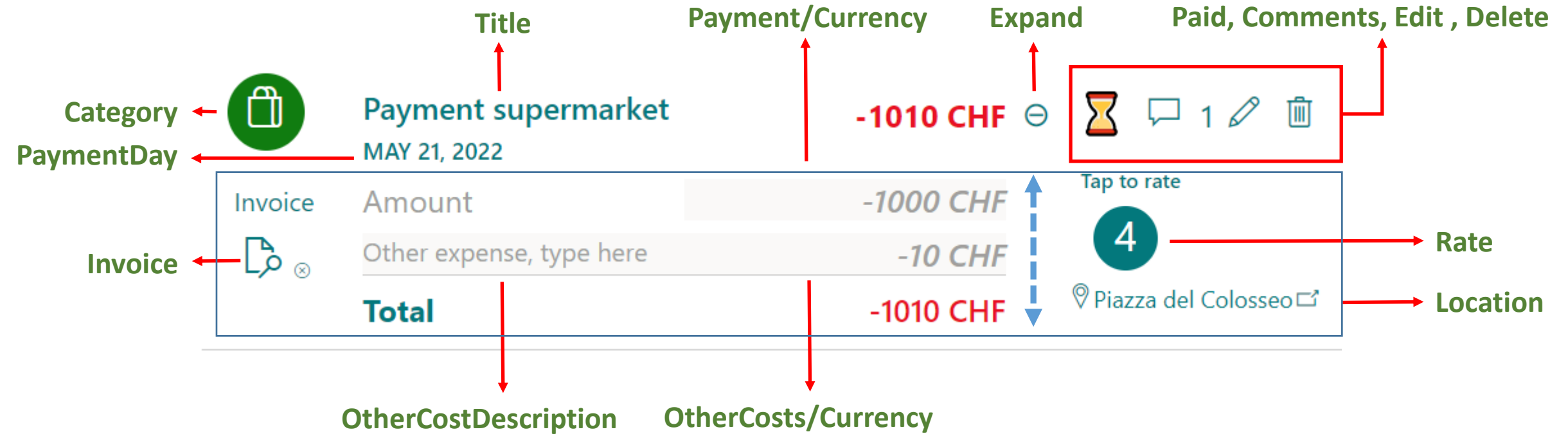
 Piazza del Colosseo 



# List Formatting – Payment View



Microsoft List Formatting



# List Formatting – Payment Card



Microsoft List Formatting

Title

Travel to xxx



Rate  
Invoice  
Currency  
Payment  
Currency  
OtherCosts

OtherCostDescription

Amount

-250 CHF

Taxi expense

-20 CHF

Total

-270 CHF

Description

cost expense for travel...

Description

City: Paris

Country: FR

State: Île-de-France

Street: 5 Avenue Anatole France



Location

Last Modified 6/5/2022 by Andre Lage



Payment supermarket

-1010 CHF



1

MAY 21, 2022



# Payment – Teams wait for approval



Microsoft List Formatting



Travel to Berlin  
JUN 8, 2022

-250 CHF



Payment supermarket  
MAY 21, 2022

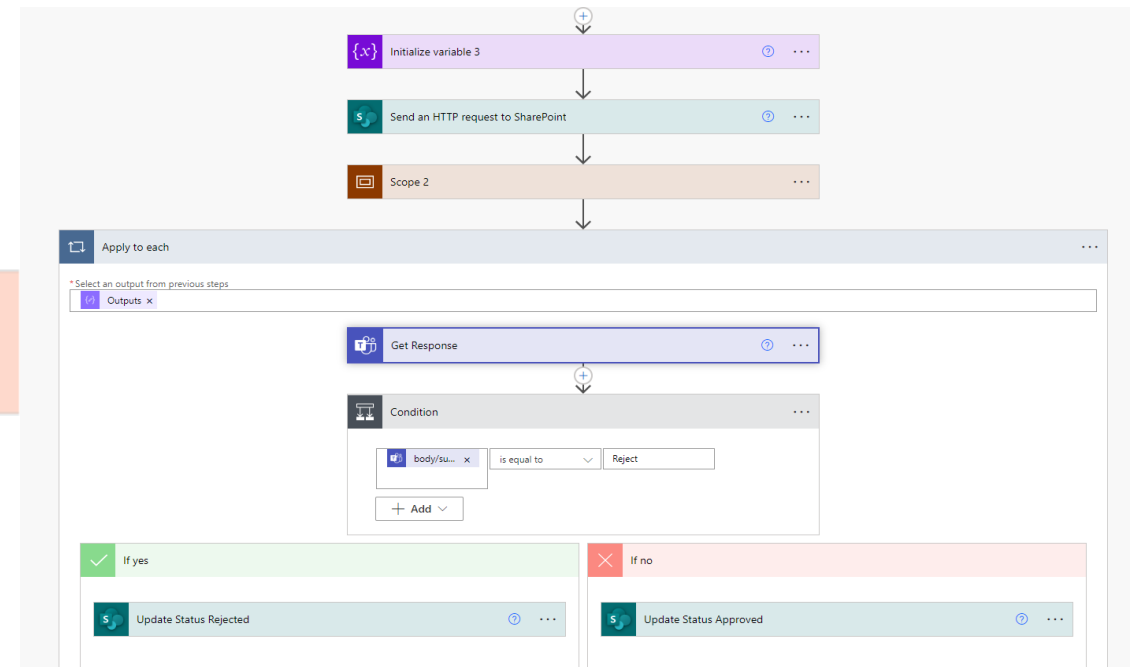
-1100 CHF



Rule < -1000 [\$Currency]



Manual PnP - Create wait and response



```
"customRowAction": {  
  "action": "executeFlow",  
  "actionParams": "{\n    \"id\":  
    \"fd2abf37-1aa9-4d20-abo  
  }"
```

# Payment – Expense Approval



Microsoft List Formatting



Adaptive Card – Expense Approval

Status, StatusComment



Payment supermarket -1100 CHF +  
MAY 21, 2022



Approved  
Business Reason:  
Expense approved

Status, StatusComment



Payment supermarket -1100 CHF +  
MAY 21, 2022



Rejected  
Business Reason:  
Expense not cover by xxx

The Adaptive Card displays a receipt image at the top. Below it, the title 'Payment supermarket' is followed by a table with two rows: 'Amount' with value '-1100' and 'Taxi' with value '0'. Under the table are two columns: 'Invoice' with a magnifying glass icon and 'Location' with a location pin icon. At the bottom are three buttons: 'Approve', 'Rejected', and 'View Item'. A green arrow points from the 'Approve' button to the 'Approved' status card in the list, and a red arrow points from the 'Rejected' button to the 'Rejected' status card in the list.

Amount	-1100
Taxi	0

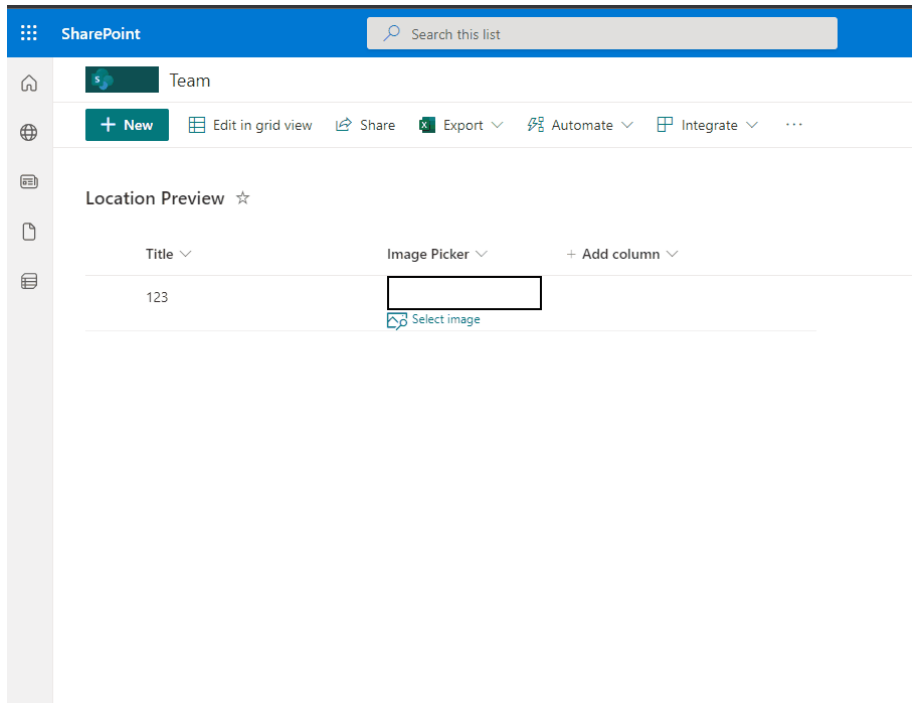
Invoice Location

Approve Rejected View Item



# List Formatting – File Picker

- **Goal:** Organize Invoices based on Content structure
- Copy link file from support Library.



## Format Image Picker column

Format view Format columns

Choose Column

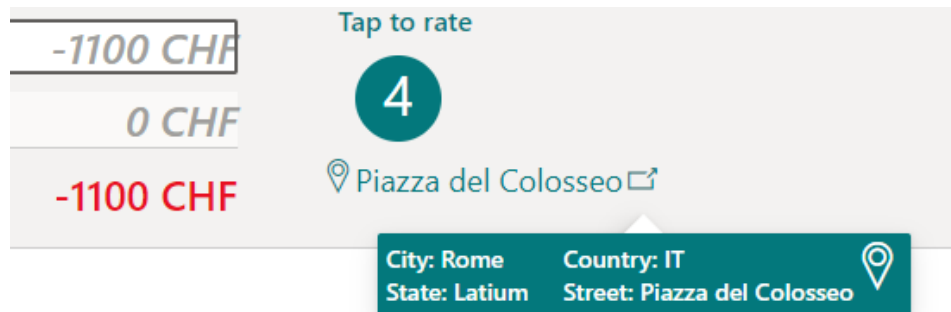
Image Picker

Change the display of this column by adding JSON below. Remove the text from the box to clear the custom formatting. [Learn more](#)

```
13  "style": {
14    "width": "150px",
15    "height": "30px",
16    "border": "2px solid black",
17    "cursor": "pointer"
18  },
19  "inlineEditField": "@currentField"
20 },
21 {
22   "elmType": "div",
23   "style": {
24     "display": "=if(length(@currentField)>0,'none','flex')",
25   },
26   "children": [
27     {
28       "elmType": "a",
29       "style": {
30         "text-decoration": "none",
31         "cursor": "pointer"
32       },
33       "attributes": {
34         "href": "=@currentWeb+ '/Invoices/'",
35         "target": "blank",
36         "title": "Select image",
37         "iconName": "ImageSearch",
38         "class": "ms-fontSize-20 ms-fontColor-themePrimary "
39       }
40     },
41   ],
42   "elmType": "a",
43   "style": {
44     "text-decoration": "none",
```

# List Formatting – Embedded Bing Maps

- **Goal:** Provide location where payment was done .
- **Support field:** Location
- Embedded WebPart with **Location parameters**
- Usage of [Bing Maps Url parameters](#) and [Customize a map to embed in your website](#).



## Payment Locations

Title	Location
Travel to xxx	Eiffel Tower
Conference about M365	Great Pyramid of Giza
Travel to x	Piazza del Colosseo

## Format view

Format view Format columns

Choose layout

List

Change the display of this view by adding JSON below. Remove the text from the box to clear the custom formatting.  
[Learn more](#)

```
1085
1086
1087
1088
1089
1090
1091
1092
1093
1094
1095
1096
1097
1098
1099
1100
1101
1102
1103
1104

{
  "elmType": "div",
  "children": [
    {
      "elmType": "div",
      "txtContent": "Street: "
    },
    {
      "elmType": "div",
      "txtContent": "[${Location.Address.Street}]"
    }
  ]
},
{
  "elmType": "a",
  "style": {
    "text-decoration": "none"
  },
  "attributes": {
    "iconName": "POI",
    "href": "https://www.bing.com/maps/embed?h=800&w=800&cp="+
    "[${Location.Coordinates.Latitude}]~"+
    "[${Location.Coordinates.Longitude}]&lvl=17&typ=d&sty=a&src=SHELL&FORM=MBEDV8",
    "target": "_blank",
    "class": "ms-bgColor-themePrimary ms-fontColor-white ms-fontSize-28"
  }
}
```

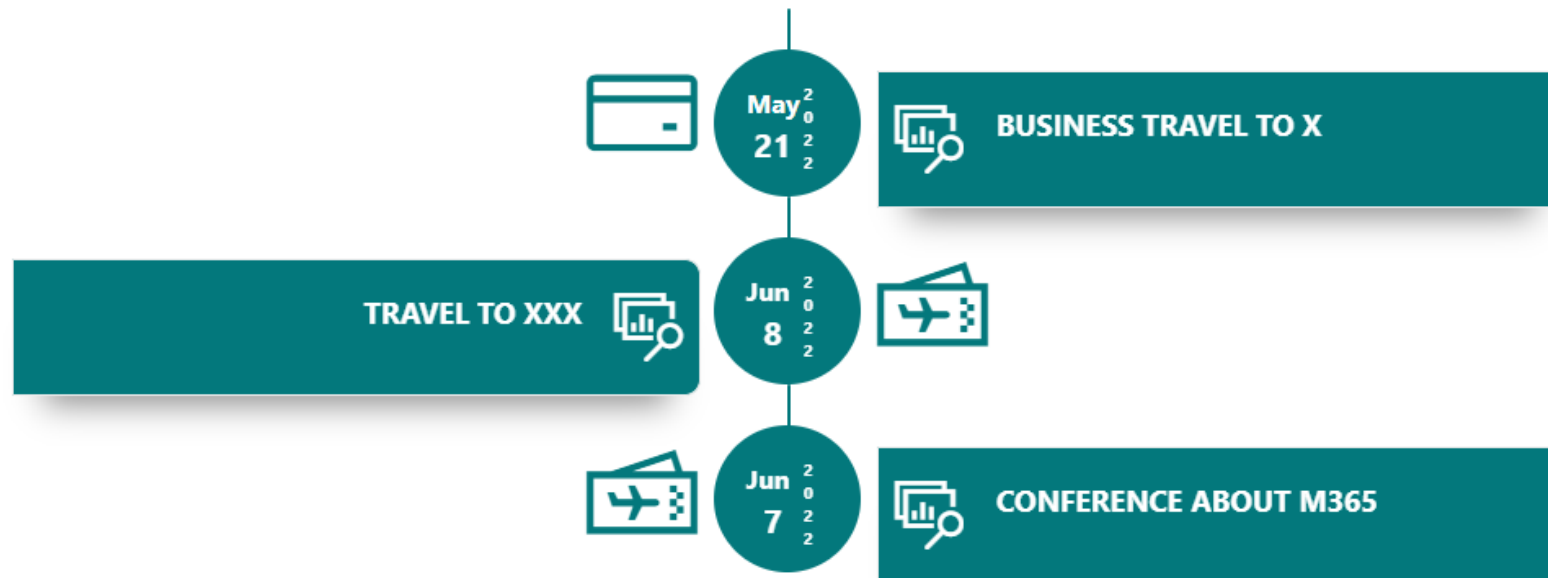
# List Formatting – Payment Timeline


Payment Timeline


[See all](#)


Date Picker


[See all](#)



 6/9/2022

 6/8/2022

 6/7/2022

 5/21/2022









- Order by Payment Day
- Payment Card Display
- Filter by Payment Date

# List Formatting – Mobile View

- **Goal:** Formatting List View for Mobile View.
- Browser Device emulation.
  - Limit option to better display content

## Payments

### Payment Mobile

	Travel to xxx	-250 CHF		
	JUN 8, 2022			
	Amount	-250 CHF		Ta
	Other expen...	0 CHF		
	Total	-250 CHF		
<hr/>				
	Payment su...	-1100 CHF		
	MAY 21, 2022			

### Payment View

[See all](#)

# Demo

# Samples – List Formatting

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## Thank you



<https://github.com/pnp/List-Formatting>