ECAS

ECAS INSPECTION APP

Vishwa Swami

ECAS

Front End
=> PowerApps

Power-App => HOME SCREEN

ECAS

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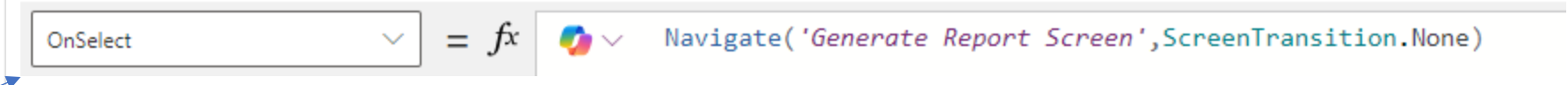
View/Add Inspections

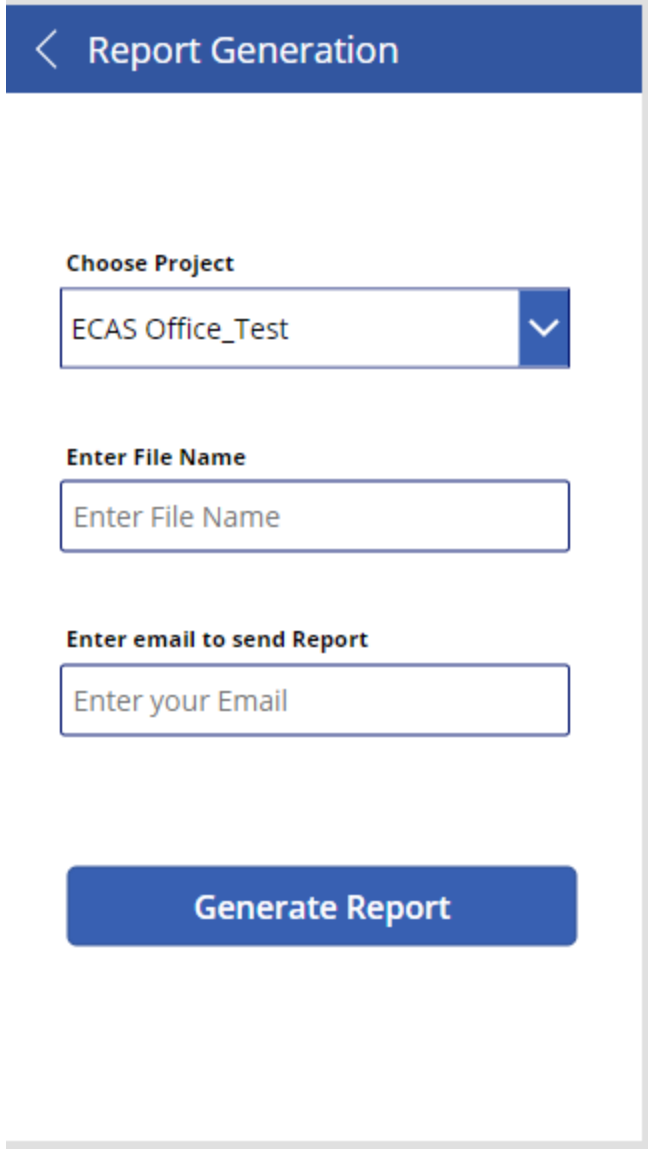
Add Image to an Inspection

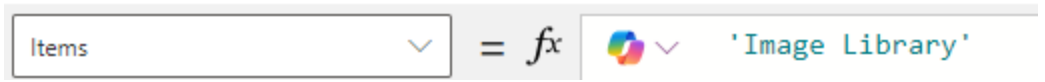
Generate Image Report

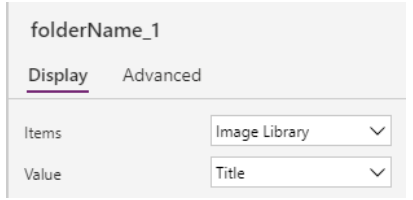


Power-App => GENERATE REPORT SCREEN

ECAS

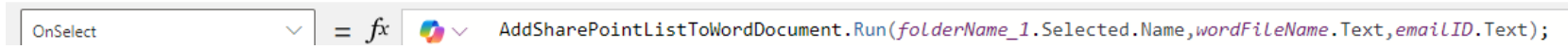






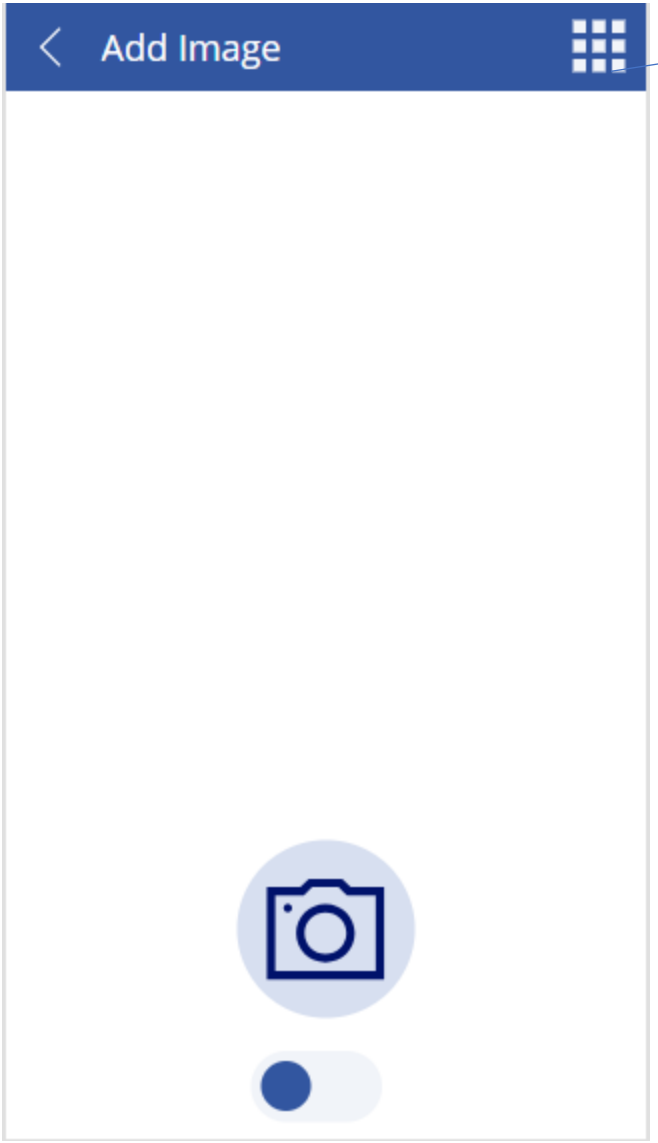
wordFileName

emailID



Power-App => LOAD IMAGE SCREEN

ECAS



OnSelect = fx Navigate(ImageGallery,ScreenTransition.Cover)

Camera2

Camera = fx Toggle1.Value

StreamRate = fx 100

Icon2

OnSelect = fx

```
//Set(varTakenPhoto, Camera2.Stream);
ClearCollect(photos,Camera2.Stream);
Set(varPhotoName, "ECAS_" & Text(Now(), "[$-en-US]yyyy-mm-dd_hh-mm-ss") & ".png");
Navigate('Save Image_with Details',ScreenTransition.Fade);
//Navigate('Save Image',ScreenTransition.Fade);
```

Tree view

Toggle1

OnChange = fx Camera2.AvailableDevices

Power-App => SAVE IMAGE WITH DETAILS

ECAS

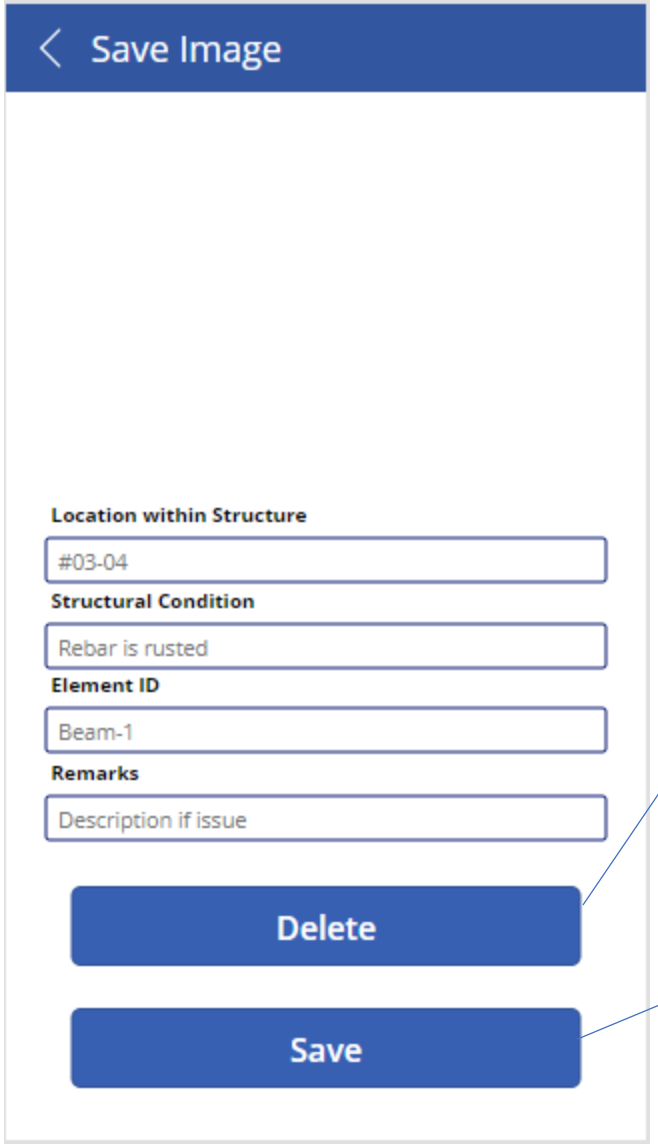


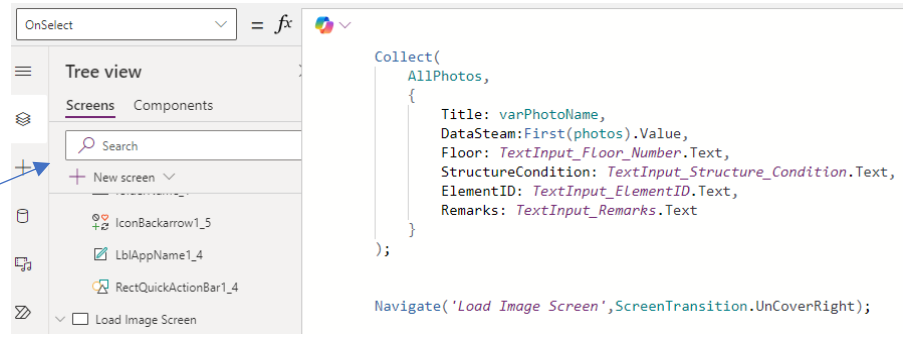
Image2_1 | Image | = fx | First(photos).Value

Label1_1 | Text | = fx | varPhotoName

TextInput_Floor_Number
TextInput_Structure_Condition
TextInput_ElementID
TextInput_Remarks

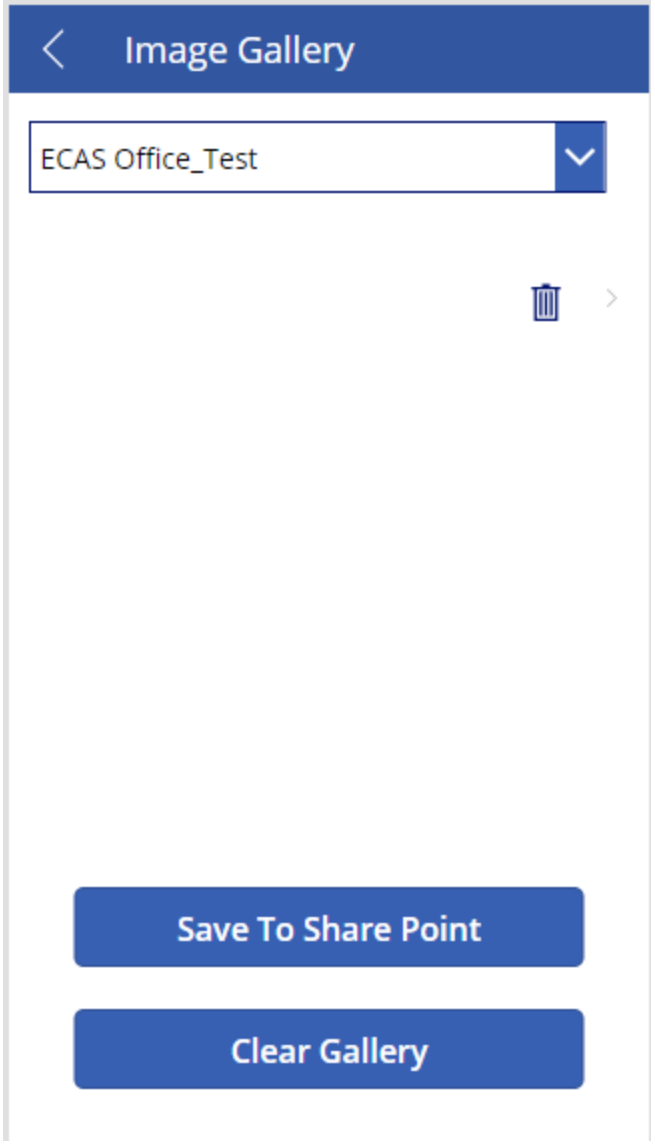
OnSelect | = fx

```
Clear(photos);
Navigate('Load Image Screen',ScreenTransition.UnCoverRight);
```



Power-App => IMAGE GALLERY

ECAS



Items = fx 'Image Library'

Items: Image Library
Value: Title

Items = fx AllPhotos

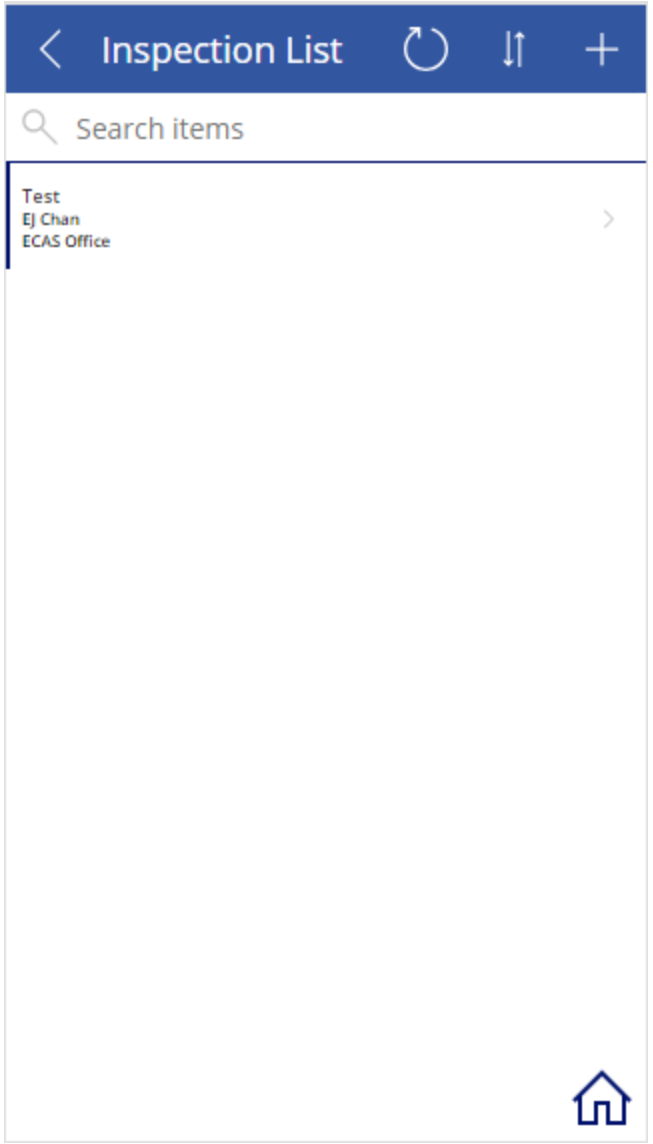
Gallery2
Display Advanced
Data source: AllPhotos

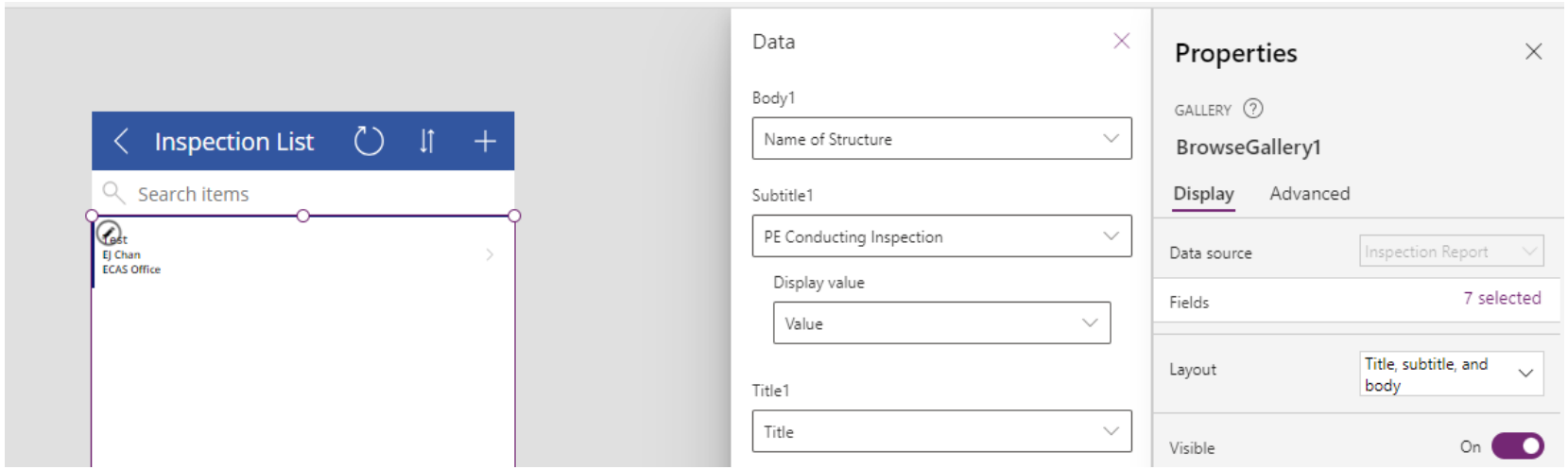
OnSelect = fx Savefilestofolder.Run(JSON(AllPhotos,JSONFormat.IncludeBinaryData),folderName.Selected.Name);

OnSelect = fx Clear(AllPhotos)

Power-App => INSPECTION LIST SCREEN

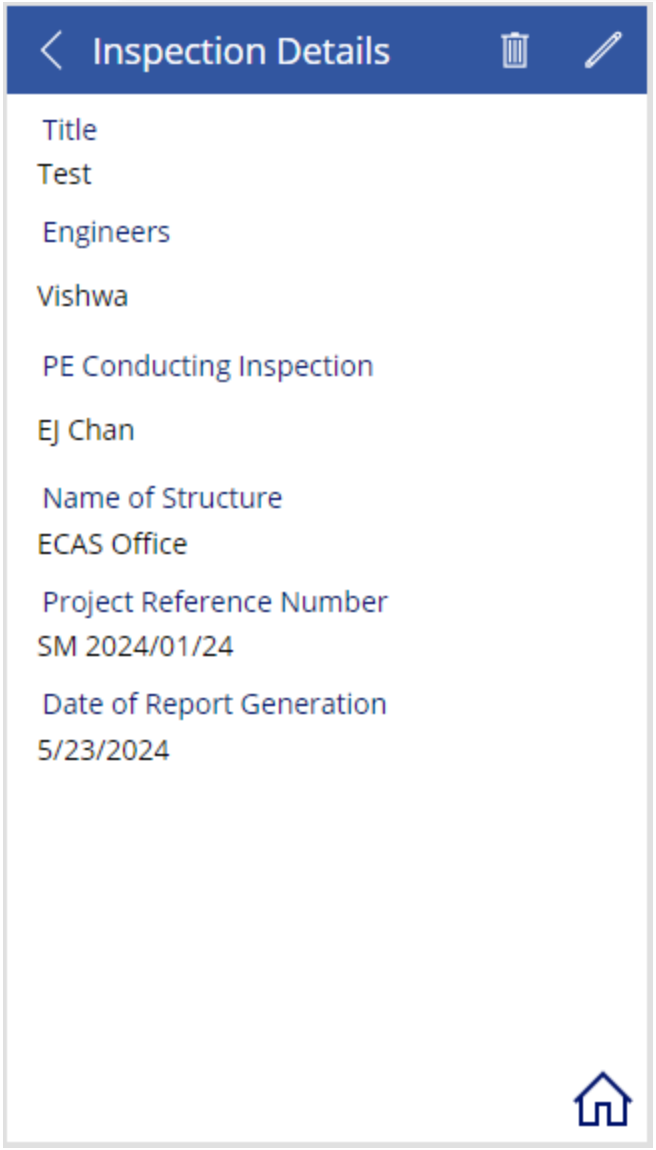
ECAS

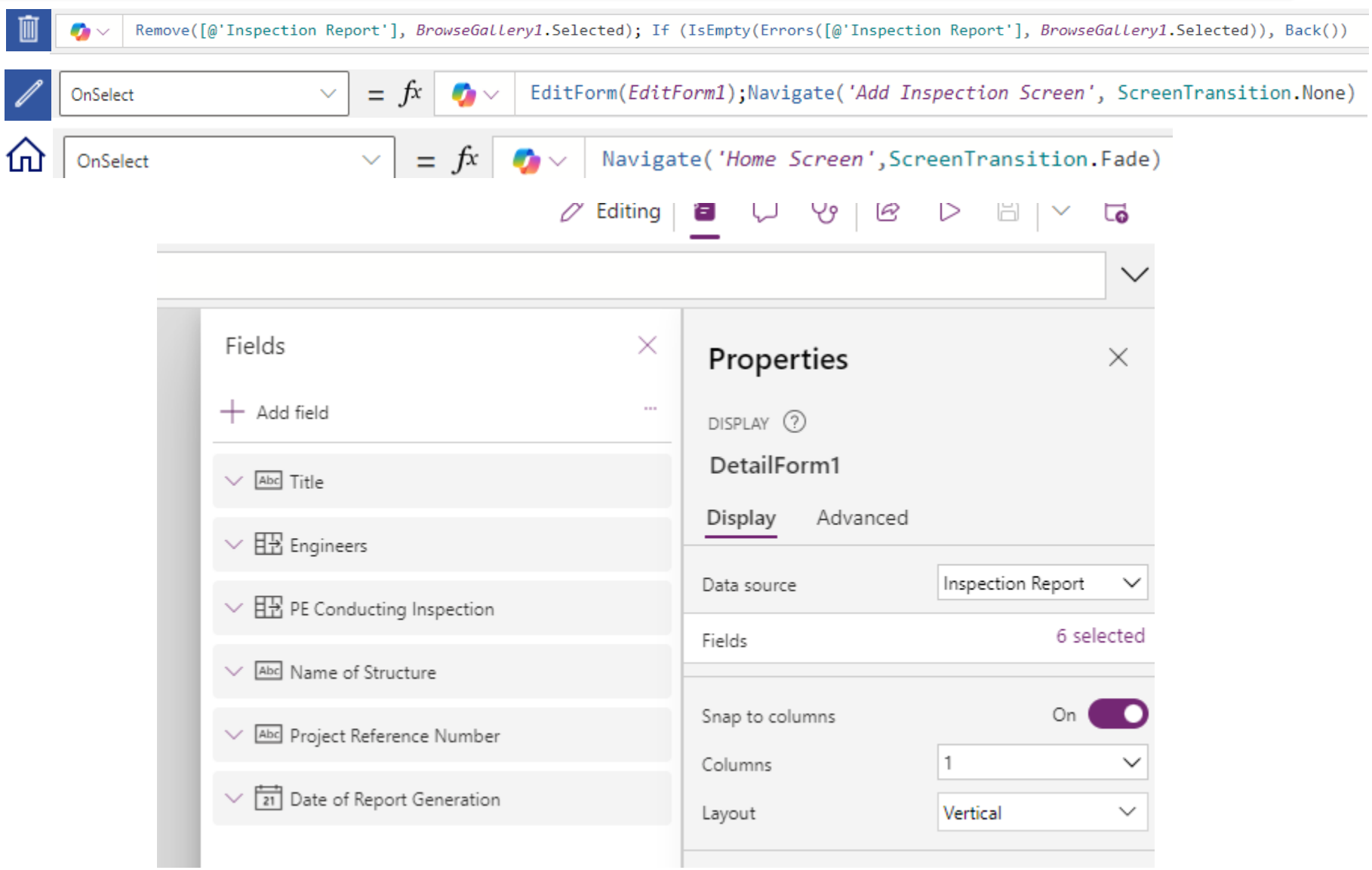




Power-App => INSPECTION LIST DETAILS

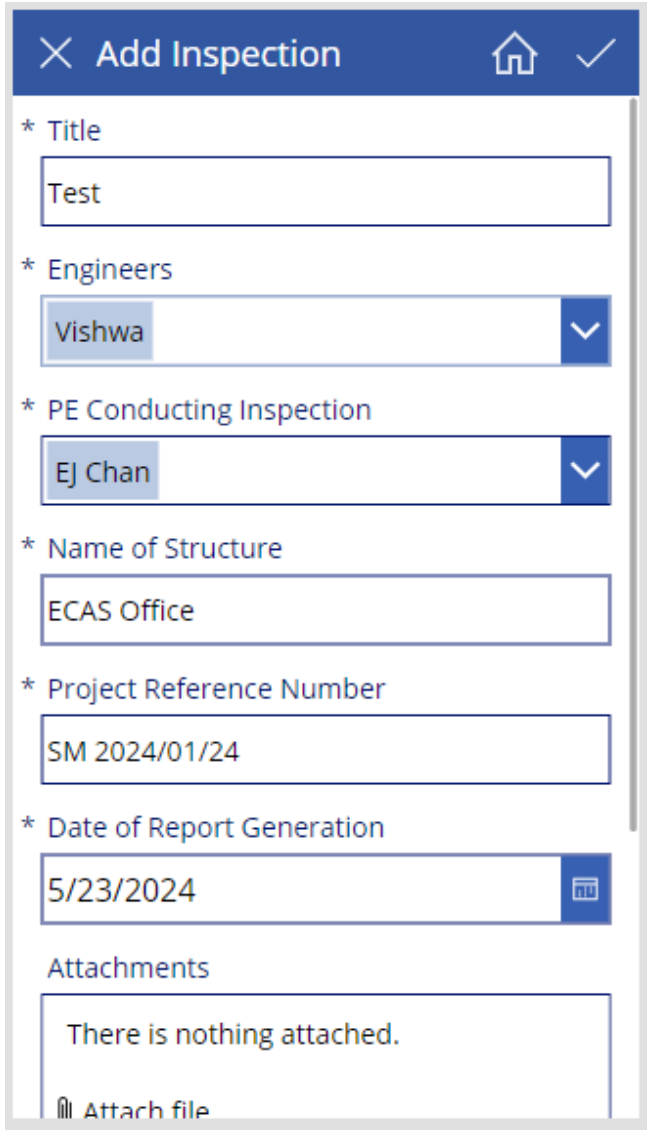
ECAS





Power-App => ADD INSPECTION SCREEN

ECAS



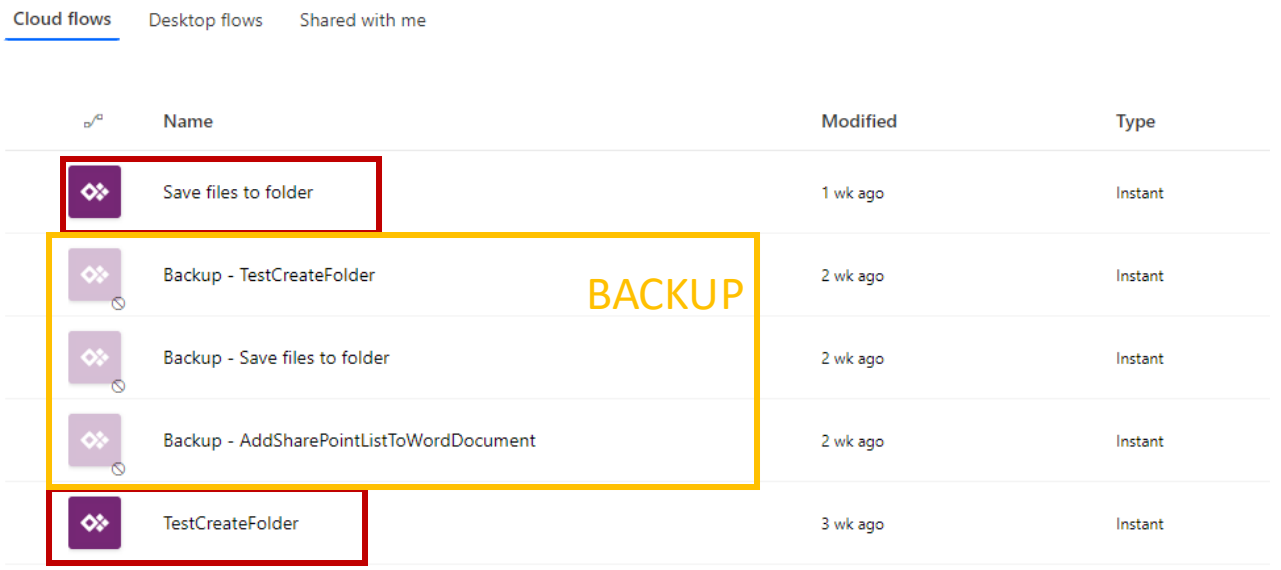

```
// Submit the form to create an item in the "Inspection Report" list
SubmitForm(EditForm1);

// Check if the form submission was successful
If(
    EditForm1.Error = Blank(), // No error occurred during form submission
    // If form submission was successful, create a folder in the image library
    ClearCollect(
        CreatedFolder,
        TestCreateFolder.Run(Concatenate(StructureName, "_", InspectionTitle))
    );

    // Check if folder creation was successful
    If(
        !IsBlank(CreatedFolder),
        // If folder was created successfully, update the "Folder Name" column of the newly created item in the "Inspection Report" list
        Patch(
            'Inspection Report',
            EditForm1.LastSubmit, // Use the ID of the newly created item
            {
                'Folder Name': Concatenate(StructureName, "_", InspectionTitle)
            }
        ),
        // If folder creation failed, handle error appropriately
        Notify("Failed to create folder", NotificationType.Error)
    ),
    // If form submission failed, handle error appropriately
    Notify("Failed to submit form", NotificationType.Error)
);
```

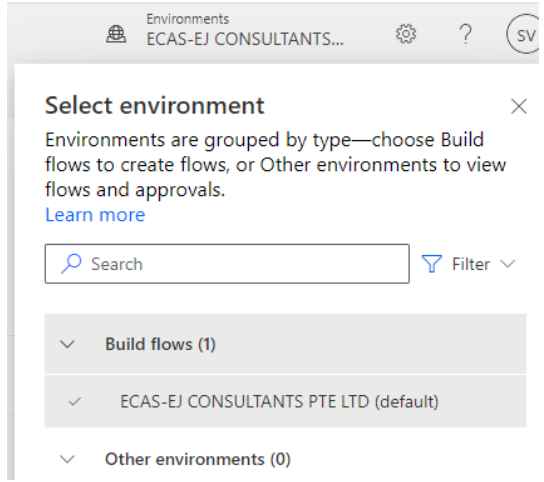
ECAS

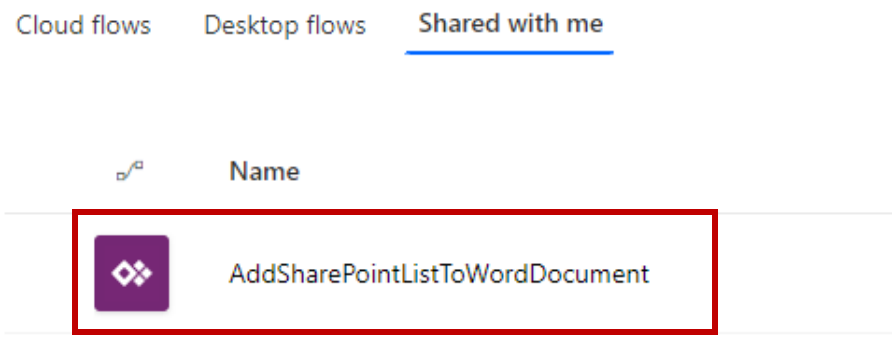
API's => Power Automate

Power-Automate => 3 flows are used in Power app

ECAS

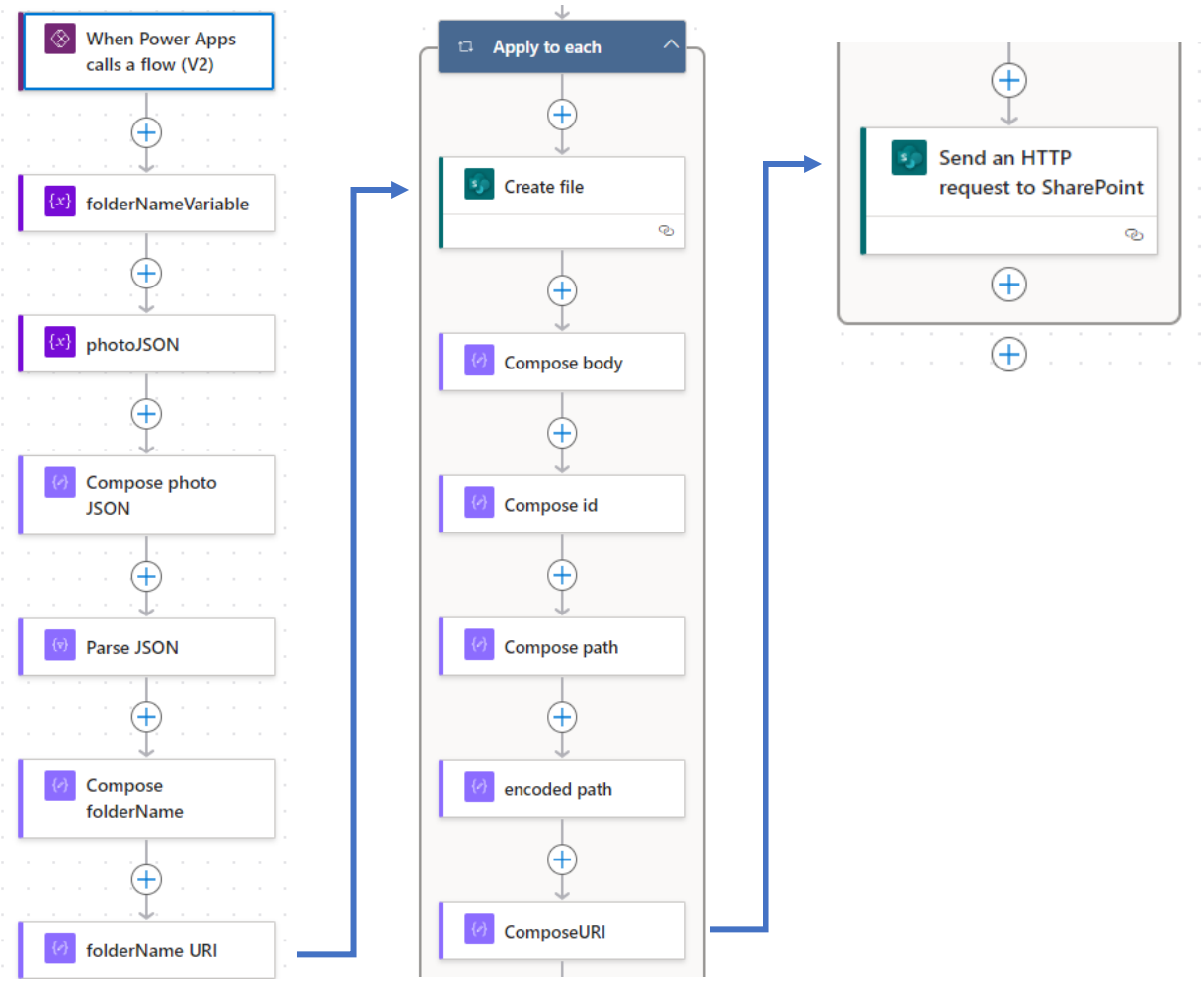


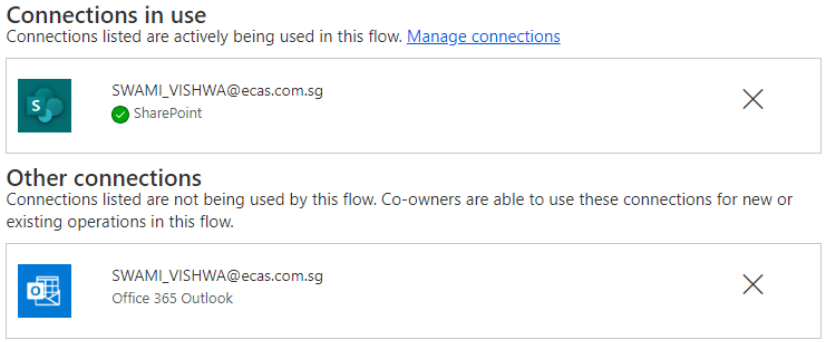




Power-Automate => Flow1: Save files to folder

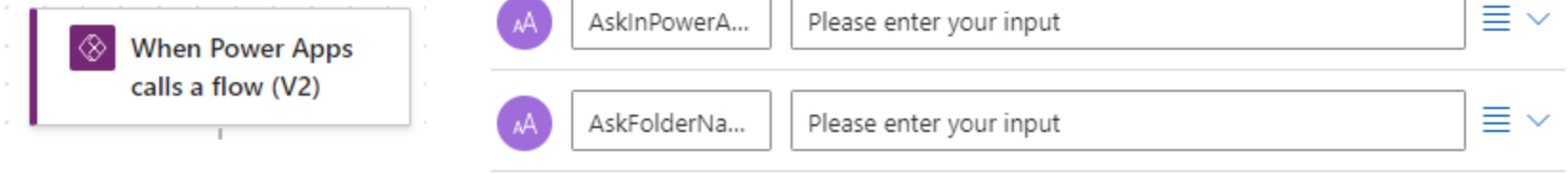
ECAS

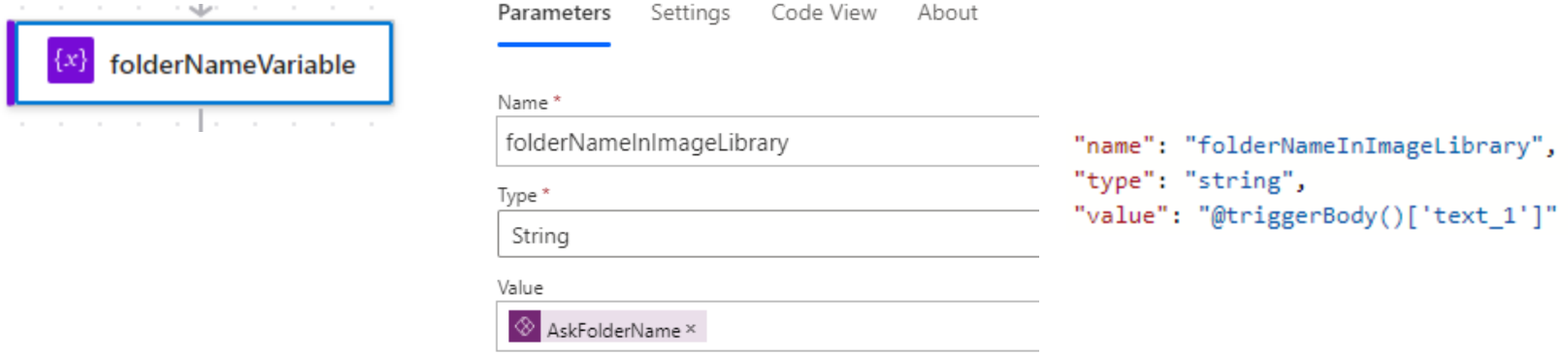


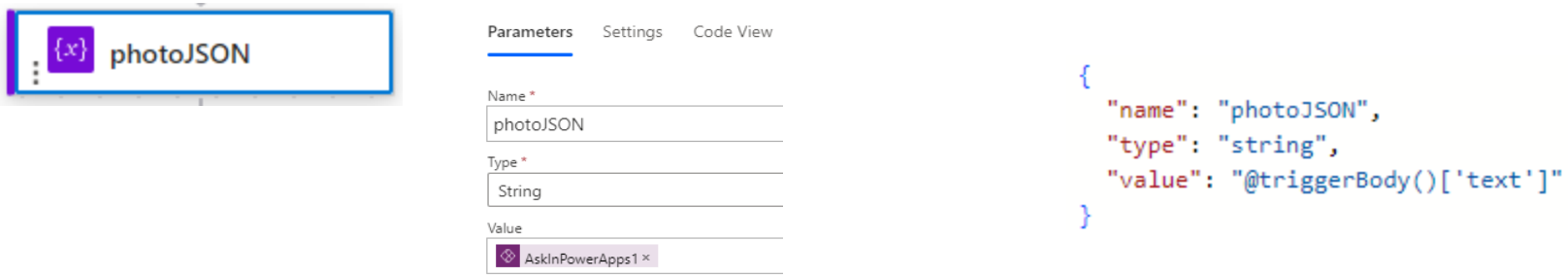


Power-Automate => Flow1: Save files to folder

ECAS

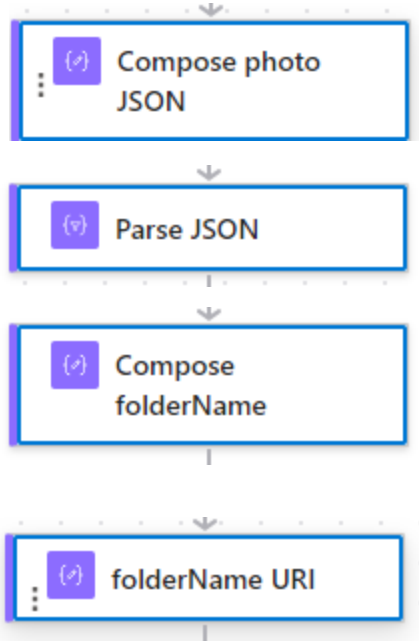






Power-Automate => Flow1: Save files to folder

ECAS




```
"inputs": "@json(variables('photoJSON'))",
```

```
"content": "@outputs('Compose_photo_JSON')"
```

Inputs *

/Image Library/ folderNameInIma... ×

```
"inputs": "/Image Library/@{variables('folderNameInImageLibrary')}",
```

```
uriComponent(triggerBody()?['text_1'])
```

```
"inputs": "@uriComponent(triggerBody()?['text_1'])",
```

Site Address *

Structural Inspection - https://ecasejsh.sharepoint.com/sites/StructuralInspection

Folder Path *

Outputs ×

File Name *

Body Title ×

File Content *

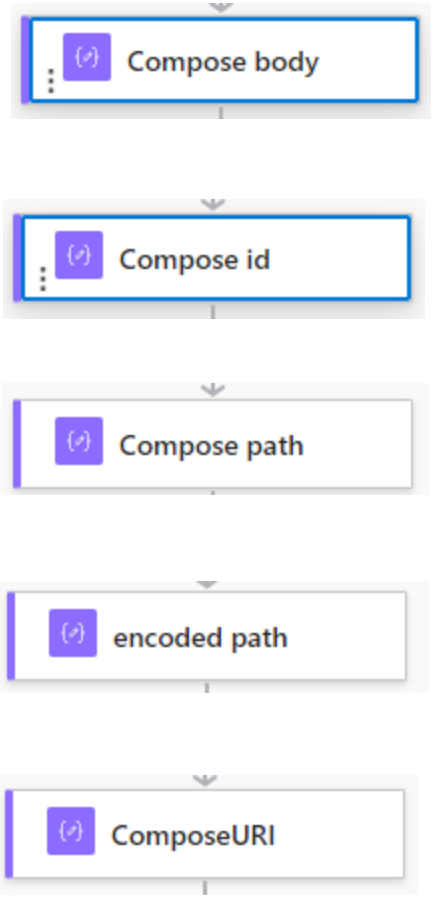
dataUriToBinary(...) ×

Schema *

```
{
    "type": "array",
    "items": {
        "type": "object",
        "properties": {
            "DataSteam": {
                "type": "string"
            },
            "ElementID": {
                "type": "string"
            },
            "Floor": {
                "type": "string"
            },
            "Remarks": {
                "type": "string"
            },
            "StructureCondition": {
                "type": "string"
            },
            "Title": {
                "type": "string"
            }
        },
        "required": [
            "DataSteam",
            "ElementID",
            "Floor",
            "Remarks",
            "StructureCondition",
            "Title"
        ]
    }
}
```

Power-Automate => Flow1: Save files to folder

ECAS




```
"inputs": "@outputs('Create_file')?['body/ItemId']",
```

```
"inputs": "@outputs('Create_file')?['body/Id']",
```

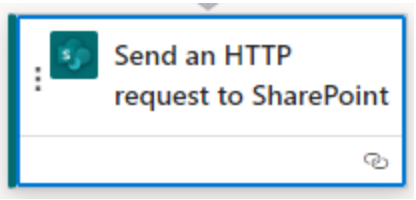
```
"inputs": "@outputs('Create_file')?['body/Path']",
```

```
"inputs": "@encodeUriComponent(concat('/sites/StructuralInspection',
outputs('Create_file')?['body/Path']))",
```

```
"inputs": "@concat('_api/web/GetFileByServerRelativePath
(decodedurl=''',outputs('encoded_path'),''')/ListItemAllFields')",
```

Power-Automate => Flow1: Save files to folder

ECAS



Site Address *

Structural Inspection - https://ecasejsh.sharepoint.com/sites/StructuralInspection

Method *

POST

Uri *

Outputs ×

Advanced parameters

Showing 2 of 2 | Show all | Clear all

Headers

Accept	application/json;odata=verbose
Content-Type	application/json;odata=verbose
X-HTTP-Method	MERGE
If-Match	*

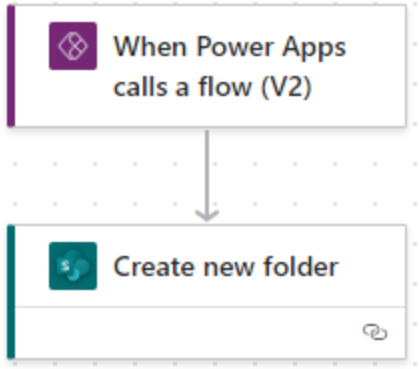
Body

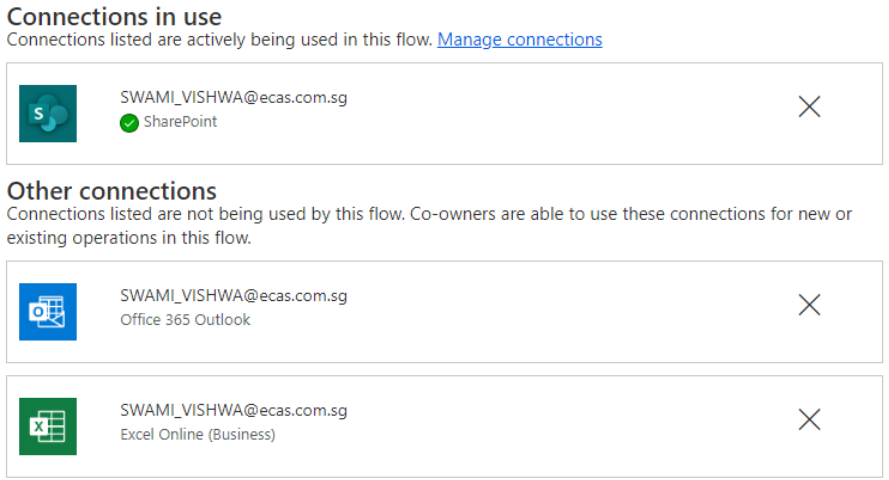
```
{
  "__metadata": { "type": "SP.Data.Image_x0020_LibraryItem" },
  "Floor_Number": " Body Floor × ",
  "Element_ID": " Body ElementID × ",
  "Structural_Condition": " Body StructureCo... × ",
  "Remarks": " Body Remarks × "
}
```

```
"parameters": {
  "dataset": "https://ecasejsh.sharepoint.com/sites/
  StructuralInspection",
  "parameters/method": "POST",
  "parameters/uri": "@outputs('ComposeURI')",
  "parameters/headers": {
    "Accept": "application/json;odata=verbose",
    "Content-Type": "application/json;odata=verbose",
    "X-HTTP-Method": "MERGE",
    "If-Match": "*"
  },
  "parameters/body": "{\n  \"__metadata\": { \"type\": \"SP.Data.
  Image_x0020_LibraryItem\" },\n  \"Floor_Number\": \"@{items
  ('Apply_to_each')['Floor']}\",\n  \"Element_ID\": \"@{items
  ('Apply_to_each')['ElementID']}\",\n  \"Structural_Condition\":
  \"@{items('Apply_to_each')['StructureCondition']}\",\n
  \"Remarks\": \"@{items('Apply_to_each')['Remarks']}\"\n}"
},
```

Power-Automate => Flow2: TestCreateFolder

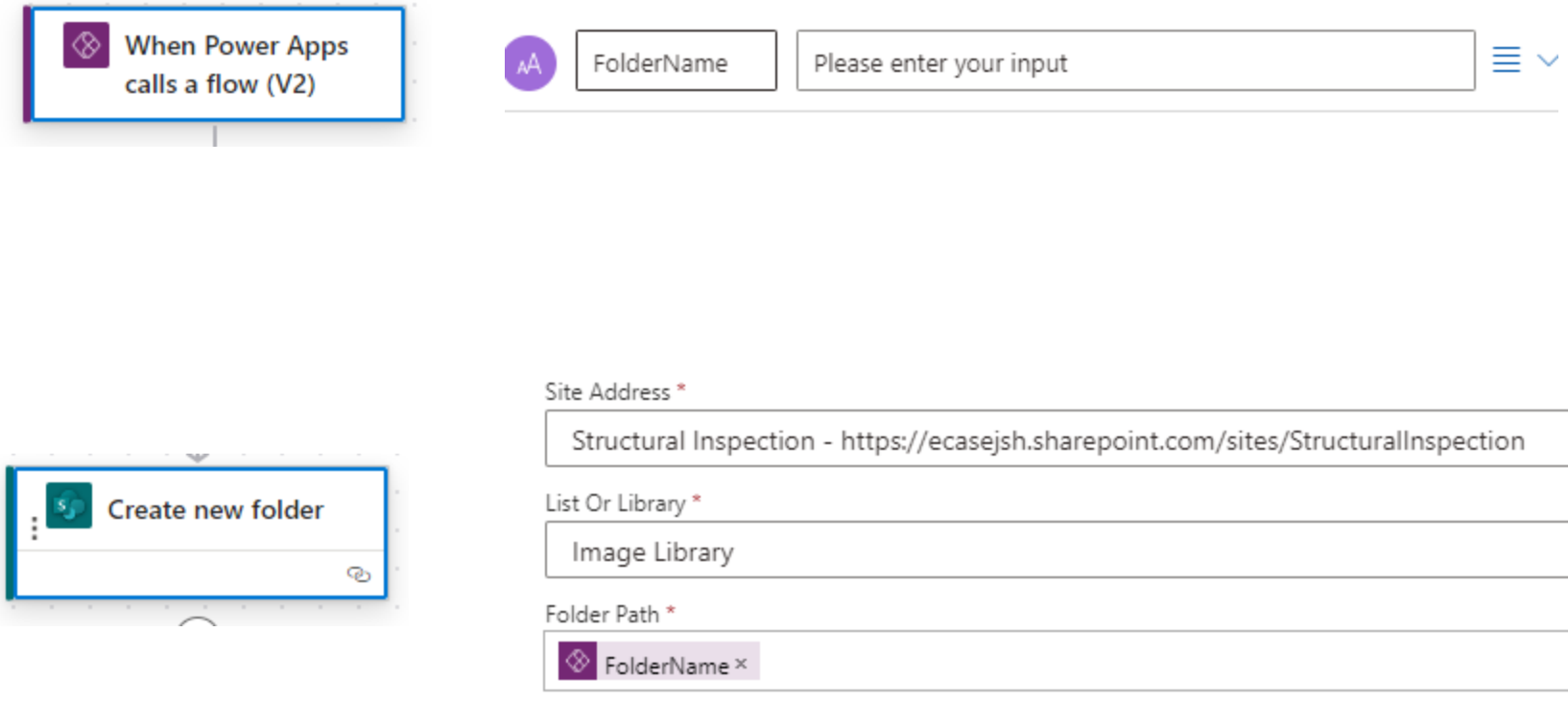
ECAS





Power-Automate => Flow2: TestCreateFolder

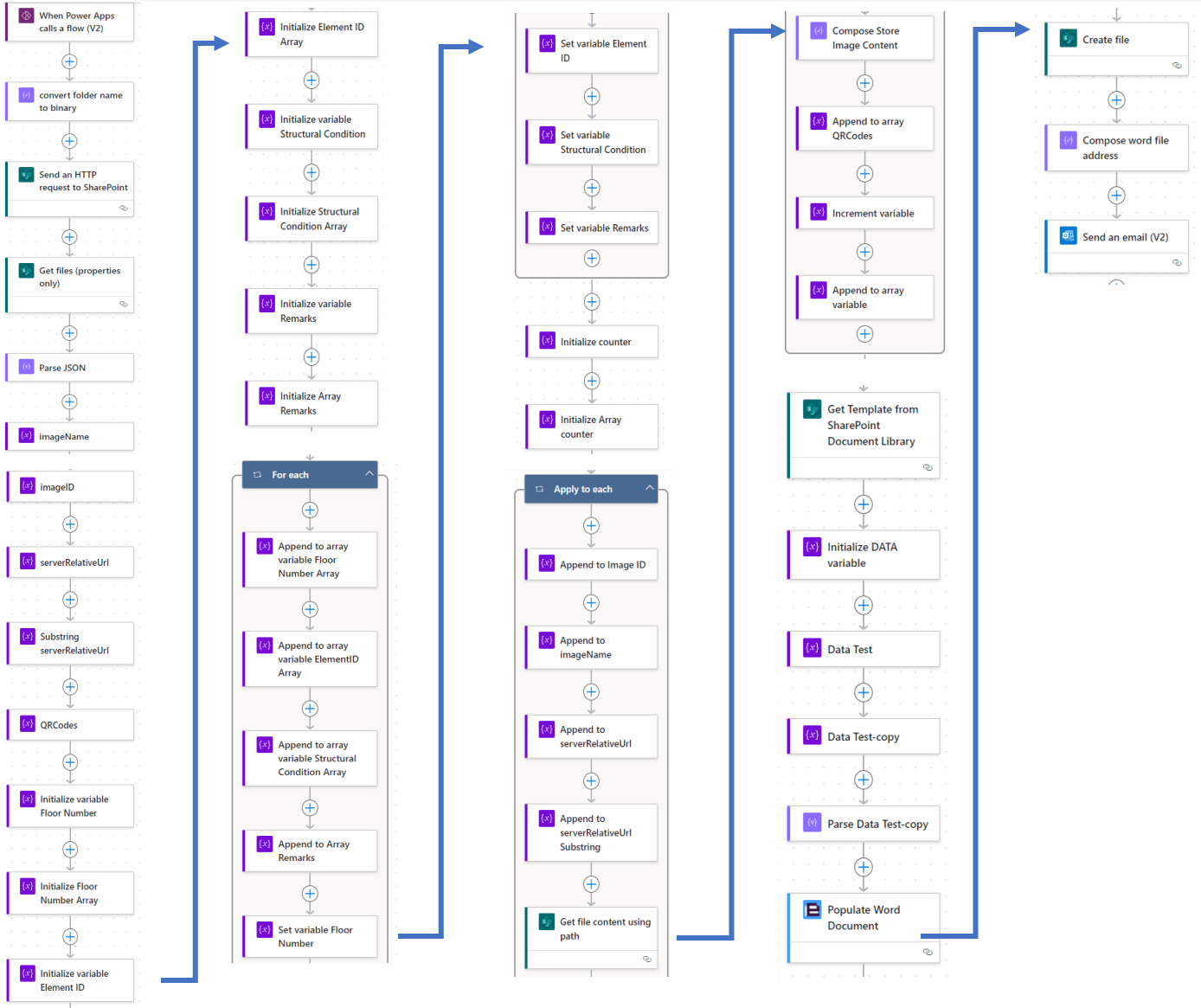
ECAS



Power-Automate =>

Flow3: AddSharePointListToWordDocument

ECAS



Connections in use

Connections listed are actively being used in this flow. Manage connections

- SWAMI_VISHWA@ecas.com.sg — SharePoint
- SWAMI_VISHWA@ecas.com.sg — Office 365 Outlook
- ECAS — Encodian

Other connections

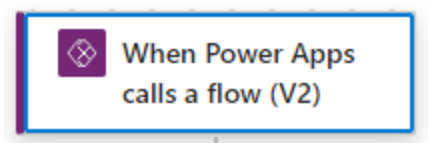
Connections listed are not being used by this flow. Co-owners are able to use these connections for new or existing operations in this flow.

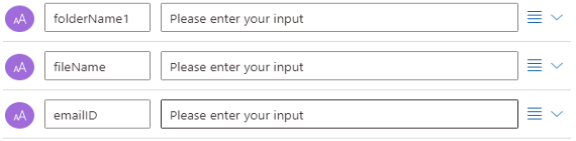
- it@ecas.com.sg — SharePoint
- SWAMI_VISHWA@ecas.com.sg — Word Online (Business)

Power-Automate =>

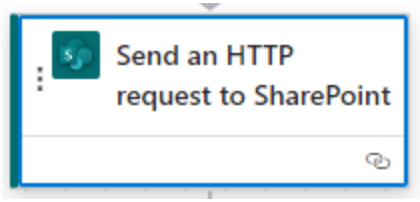
Flow3: AddSharePointListToWordDocument

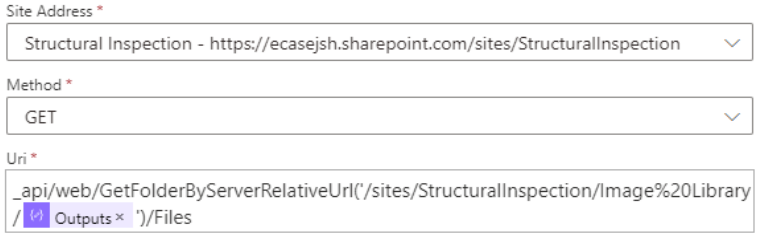
ECAS

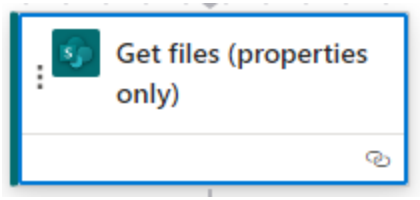


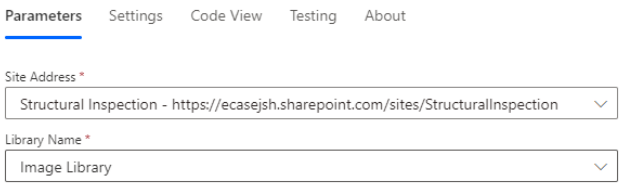


```
"inputs": "@uriComponent(triggerBody()?['text'])",
```



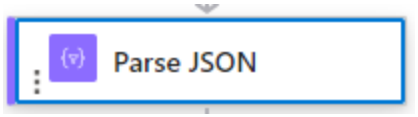






Power-Automate =>

Flow3: AddSharePointListToWordDocument



Content *

body/value ×

```
outputs('Get_files_(properties_only)')?['body/value']
```

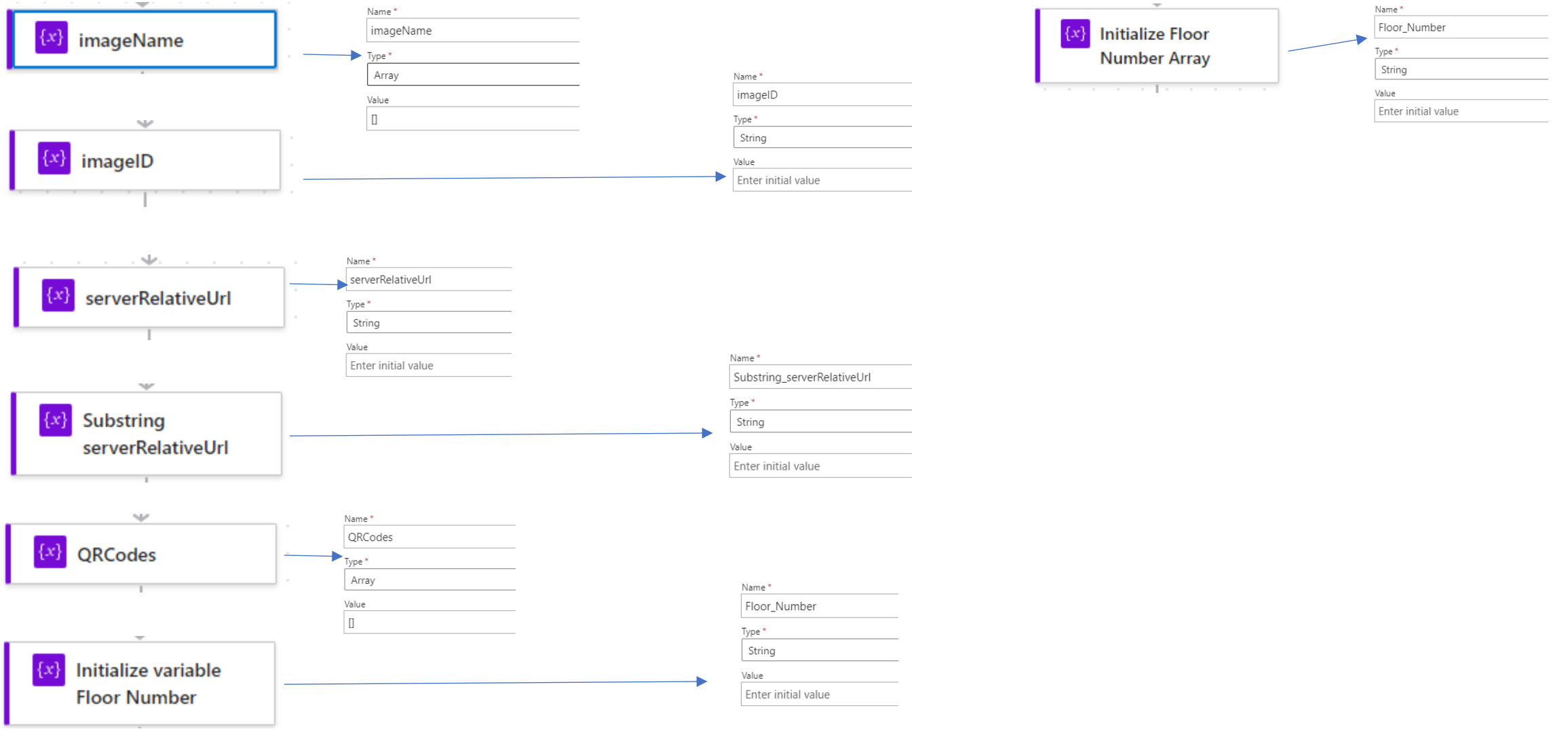
Schema *

```
{
    "type": "array",
    "items": {
        "type": "object",
        "properties": {
            "@@odata.etag": {
                "type": "string"
            },
            "ItemInternalId": {
                "type": "string"
            },
            "ID": {
                "type": "integer"
            },
            "Title": {
                "type": "string"
            },
            "Modified": {
                "type": "string"
            },
            "Editor": {
                "type": "object",
                "properties": {
                    "@@odata.type": {
                        "type": "string"
                    },
                    "Claims": {
                        "type": "string"
                    },
                    "DisplayName": {
```

Power-Automate =>

Flow3: AddSharePointListToWordDocument

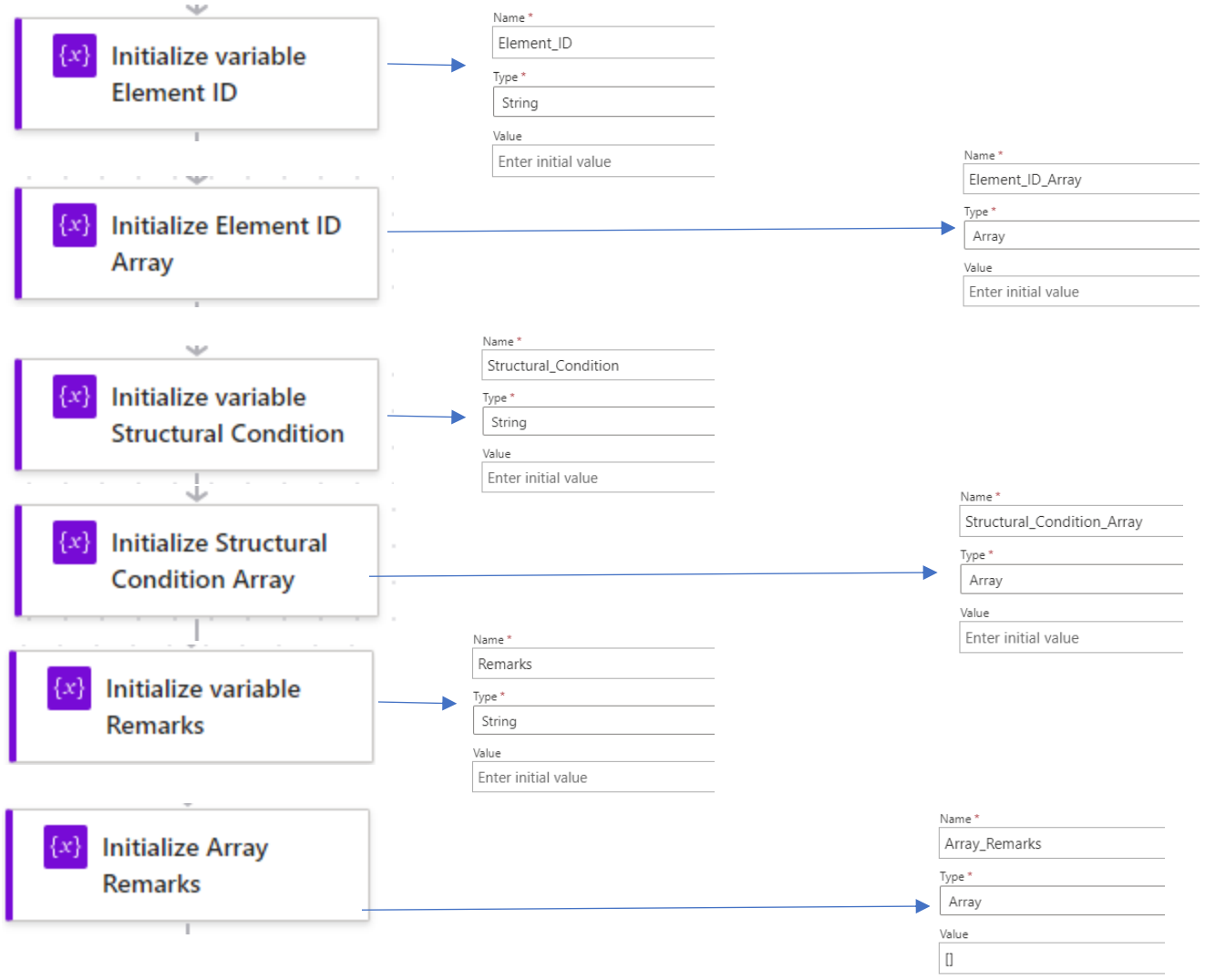
ECAS



Power-Automate =>

Flow3: AddSharePointListToWordDocument

ECAS

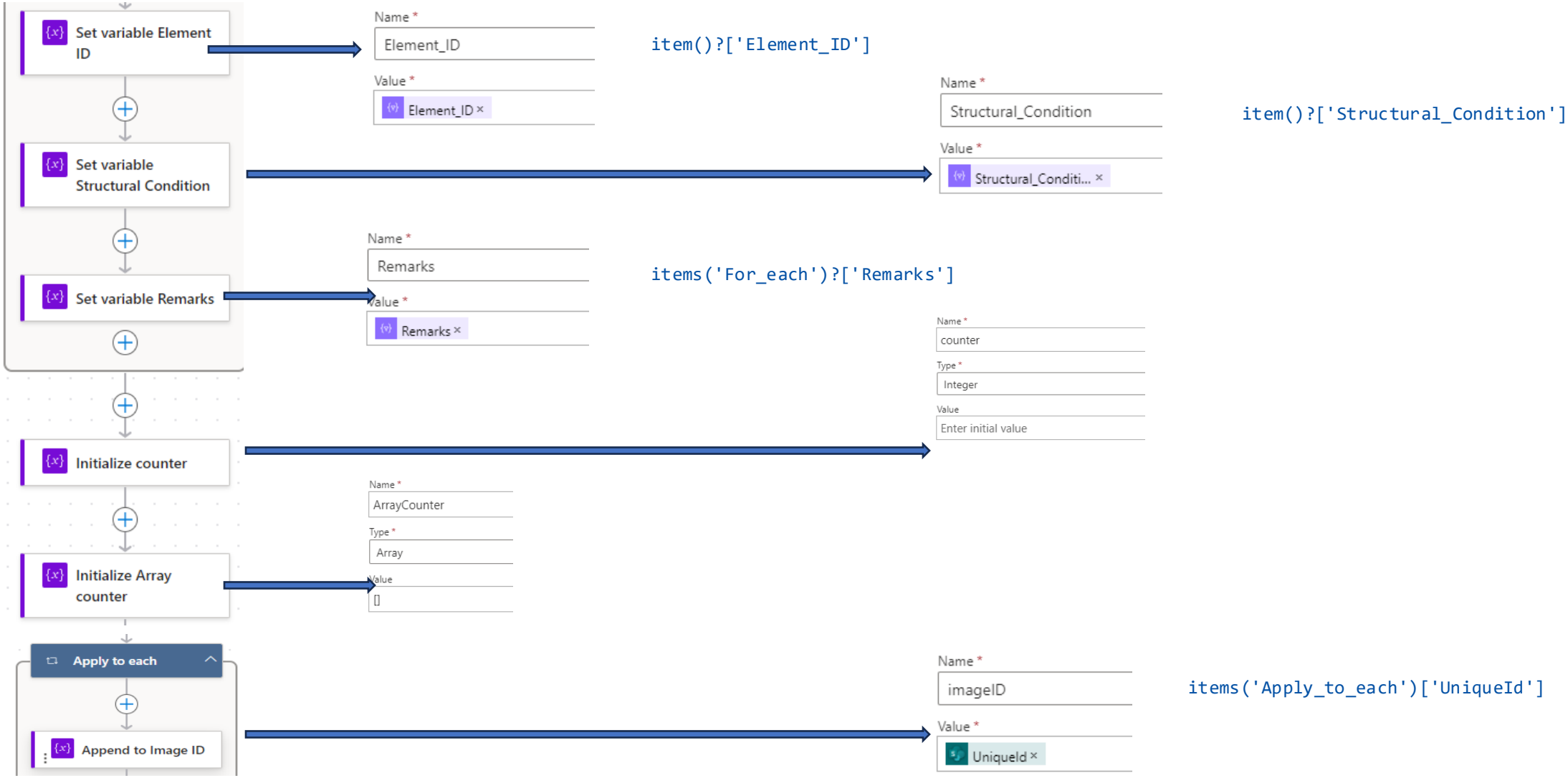


Power-Automate =>

Flow3: AddSharePointListToWordDocument

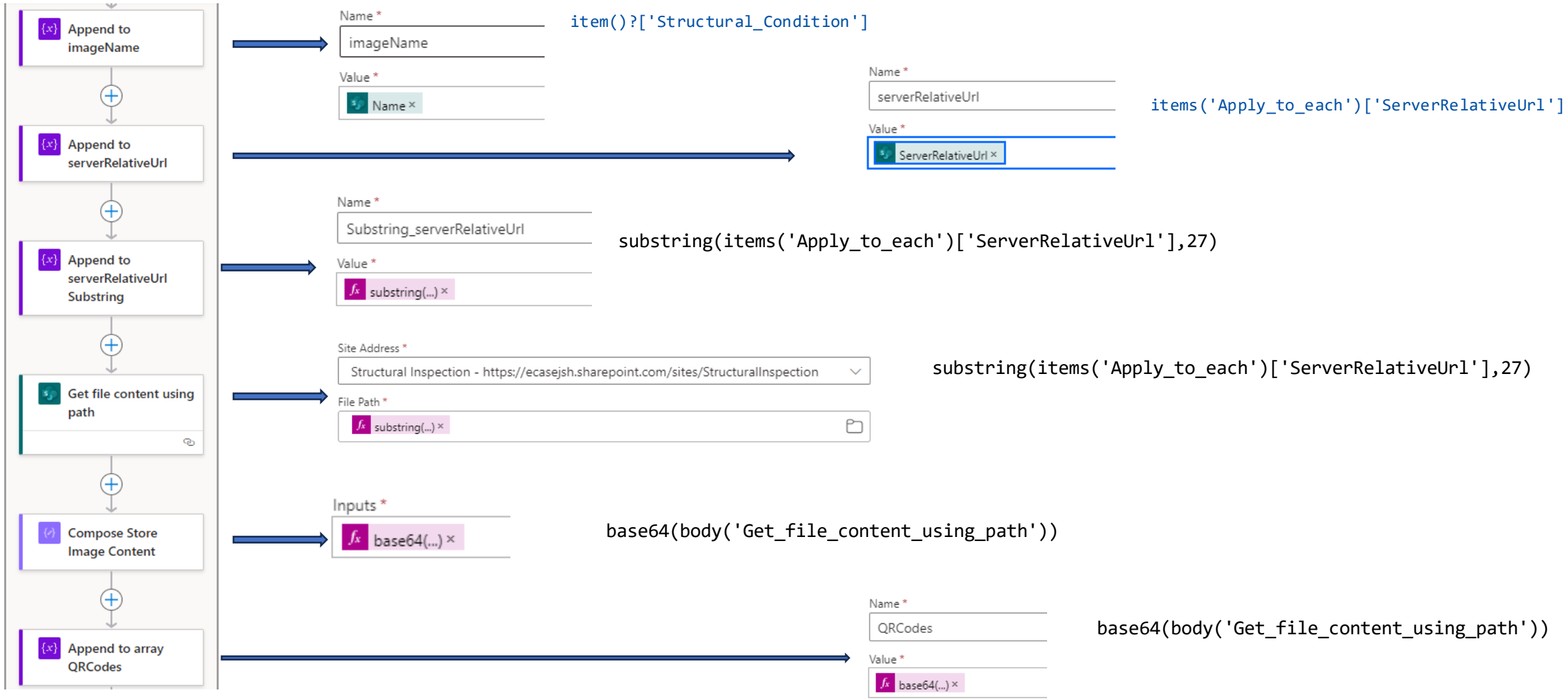
Power-Automate =>

Flow3: AddSharePointListToWordDocument



Power-Automate =>

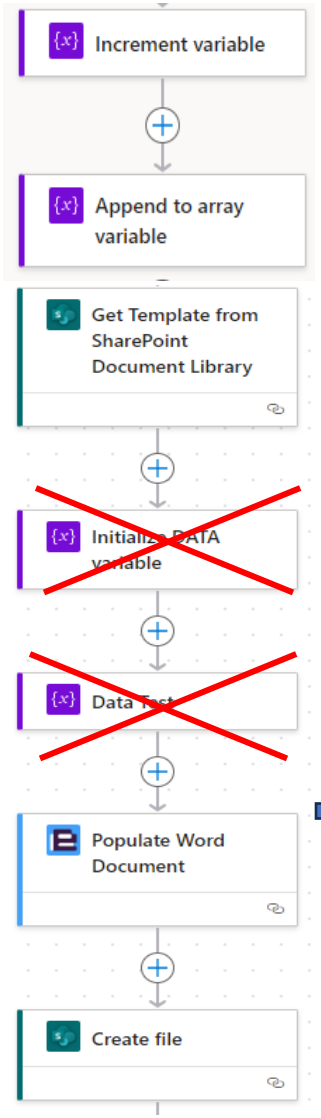
Flow3: AddSharePointListToWordDocument



Power-Automate =>

Flow3: AddSharePointListToWordDocument

ECAS



Name *
counter

Value
1

Name *
ArrayCounter

Value *
counter ×

Site Address *
Structural Inspection - https://ecasejsh.sharepoint.com/sites/StructuralInspection

File Path *
/Shared Documents/Encodian_Template/ECAS_Sheet Template_R4.docx

File Content
File Content ×

Document Data

```
body('Get_Template_from_SharePoint_Document_Library')
```

Site Address *
Structural Inspection - https://ecasejsh.sharepoint.com/sites/StructuralInspection

Folder Path *
/Shared Documents/02_AutoGenerated Reports

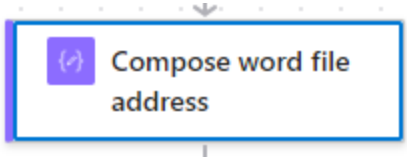
File Name *
fileName × .docx

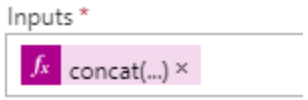
File Content *
File Content ×

```
"parameters": {
  "dataset": "https://ecasejsh.sharepoint.com/sites/
  StructuralInspection",
  "folderPath": "/Shared Documents/02_AutoGenerated Reports",
  "name": "@{triggerBody()['text_1']}.docx",
  "body": "@outputs('Populate_Word_Document')?['body/FileContent']
  "
},
```

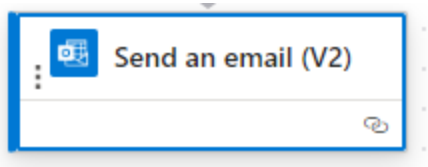
Power-Automate =>

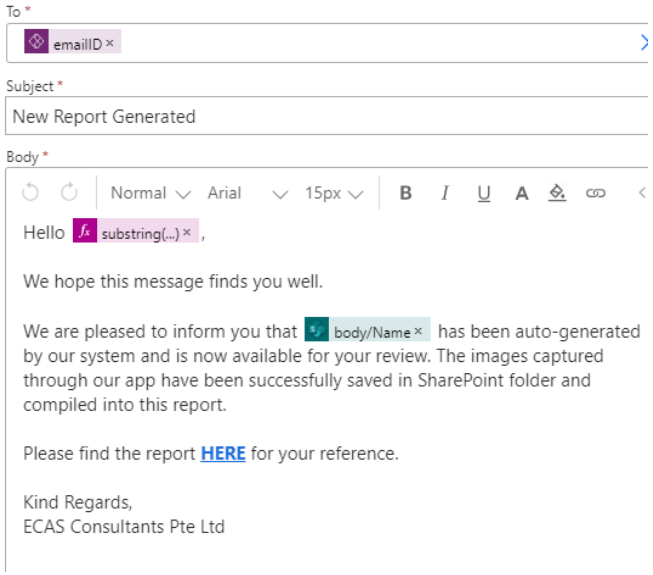
Flow3: AddSharePointListToWordDocument






```
concat('https://ecasejsh.sharepoint.com/sites/StructuralInspection',outputs('Create_file')?['body/Path'])
```





1. `substring(triggerBody()?['text_2'],0,indexOf(triggerBody()?['text_2'],'@'))`

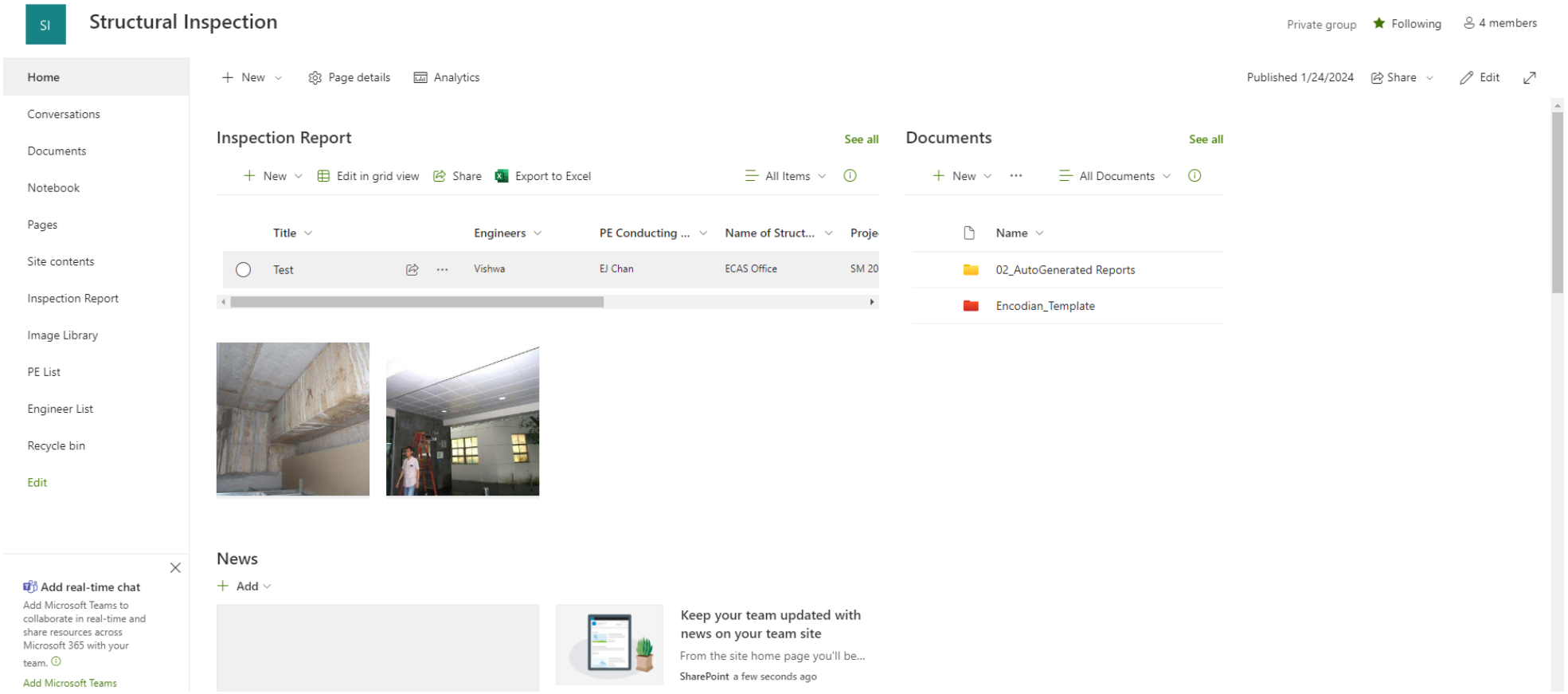
2. 2) <a href="@{outputs('Compose_word_file_address')}"><u>HERE</u></a>

ECAS

Data Base - SharePoint

SharePoint=> Site: Structural Inspection

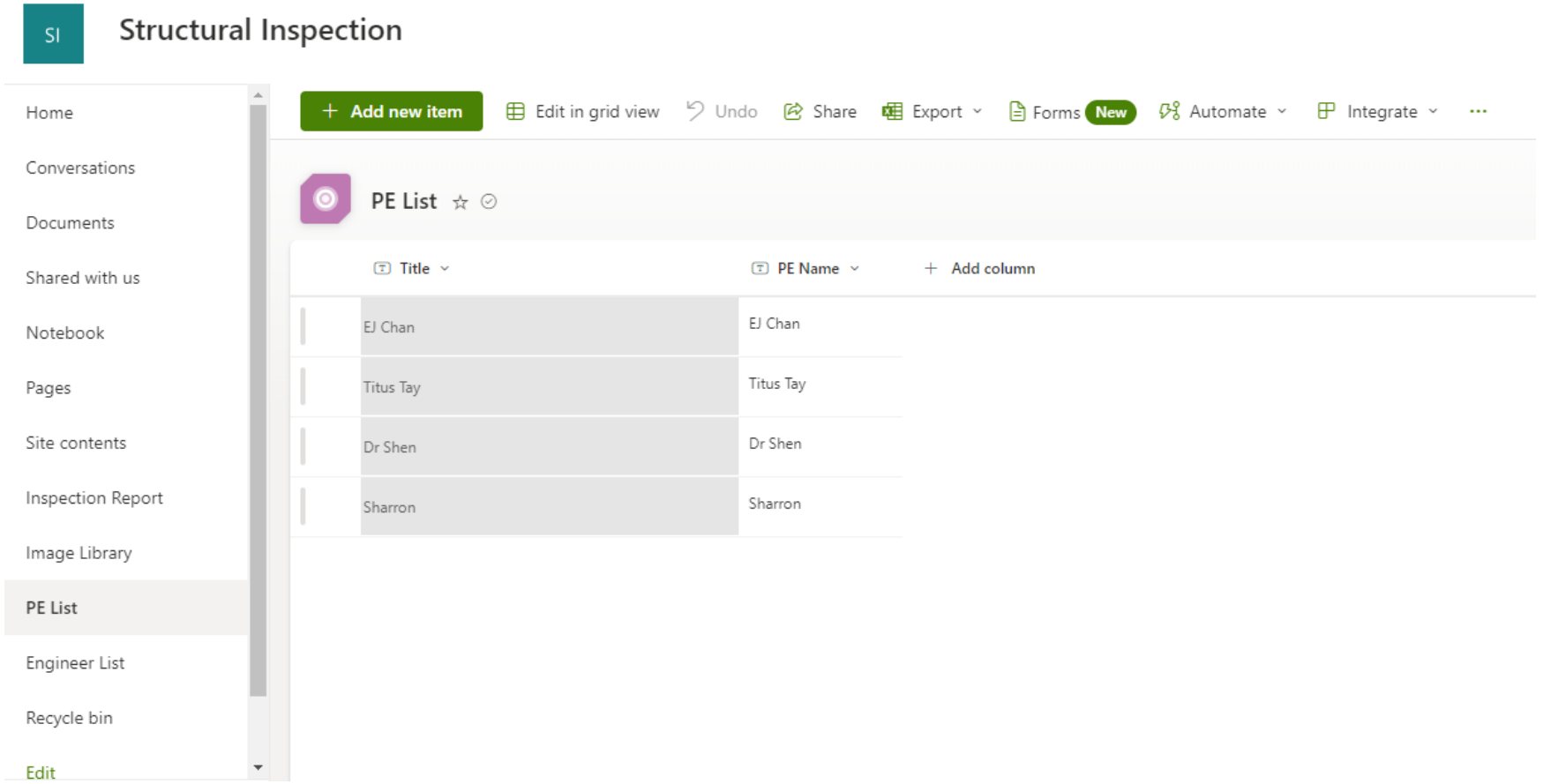
ECAS



[SharePoint Site: Structural Inspection]

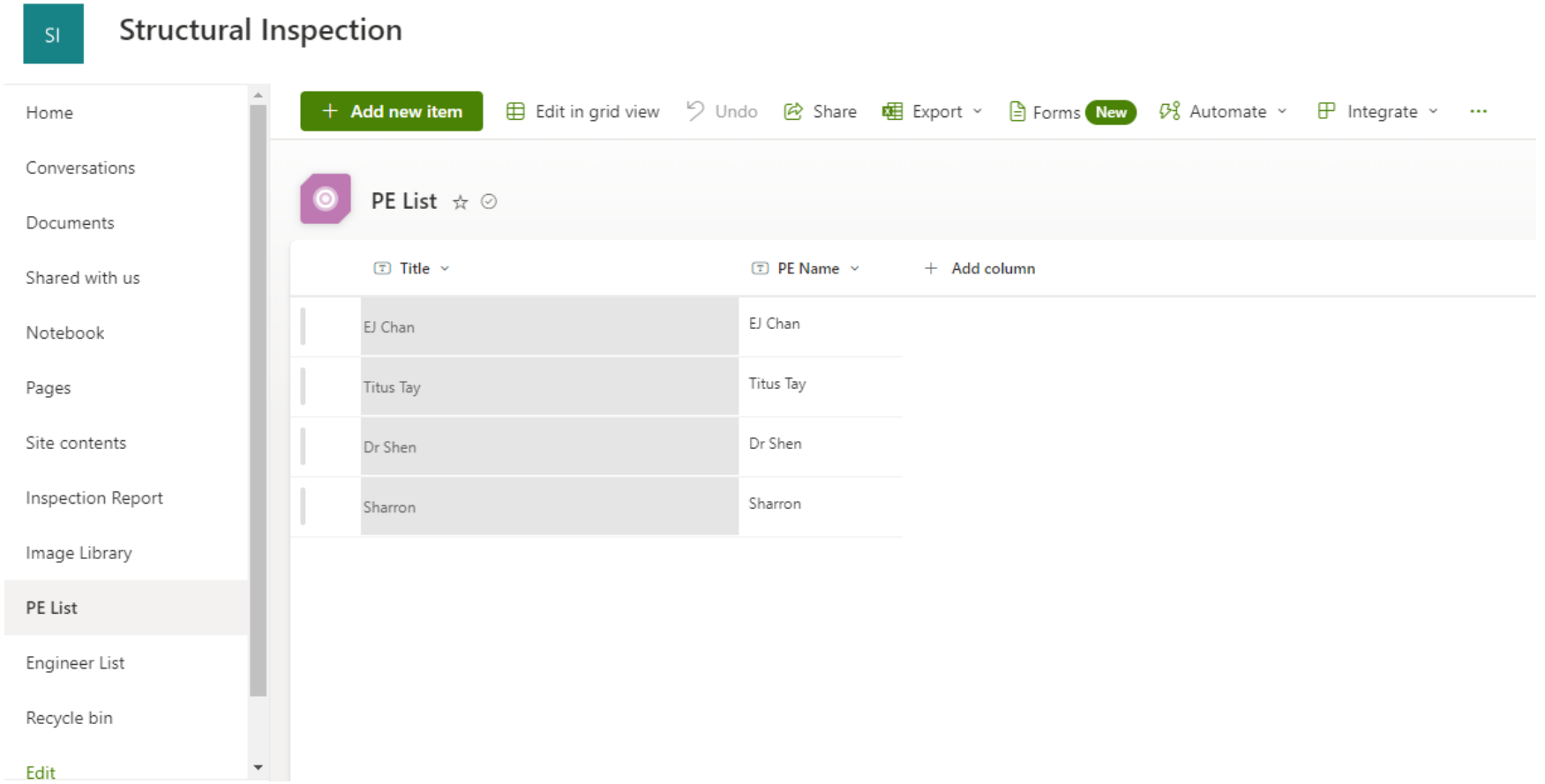
SharePoint => Inspection Report - LIST

ECAS



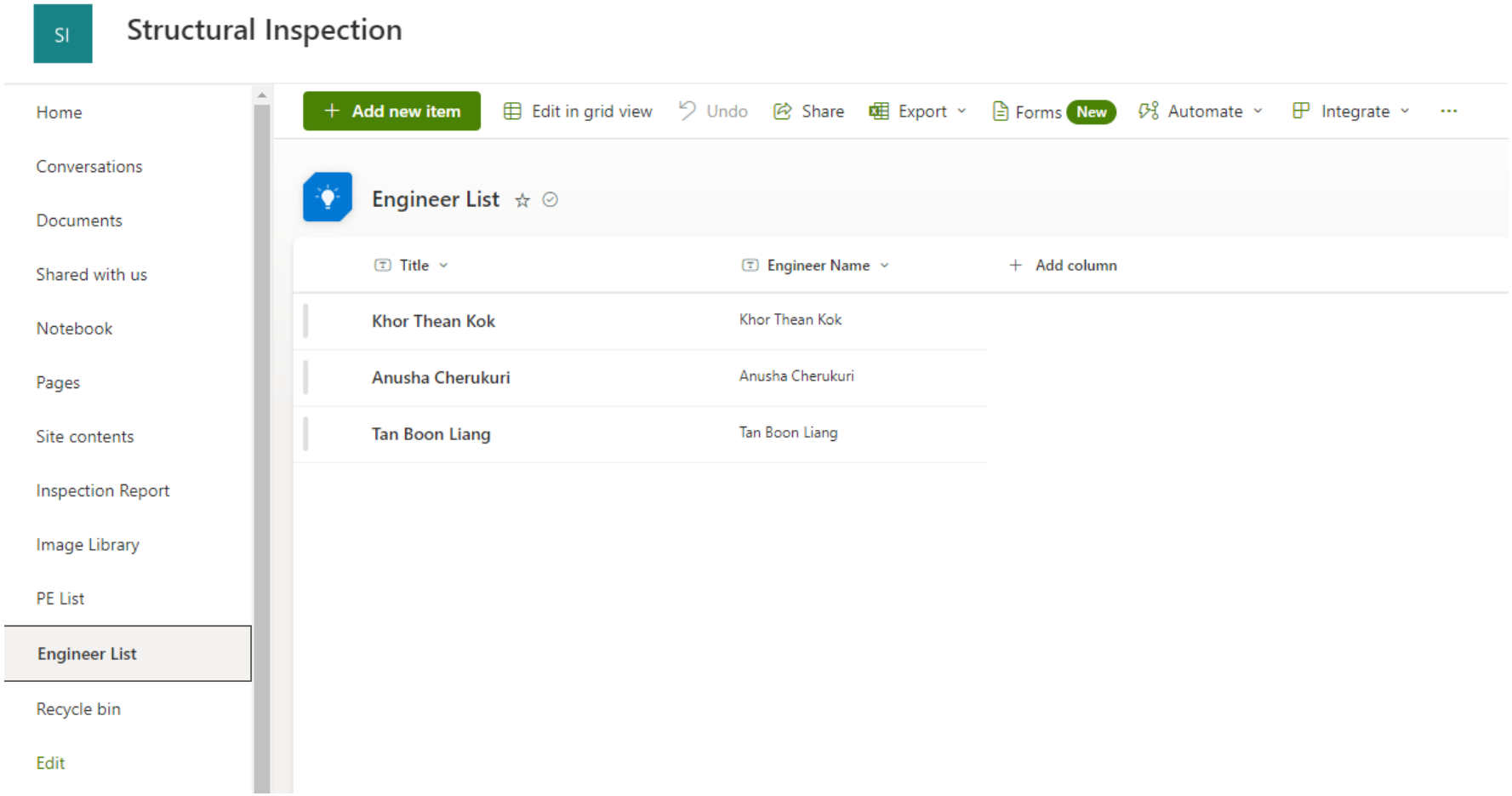
SharePoint => PE List - LIST

ECAS

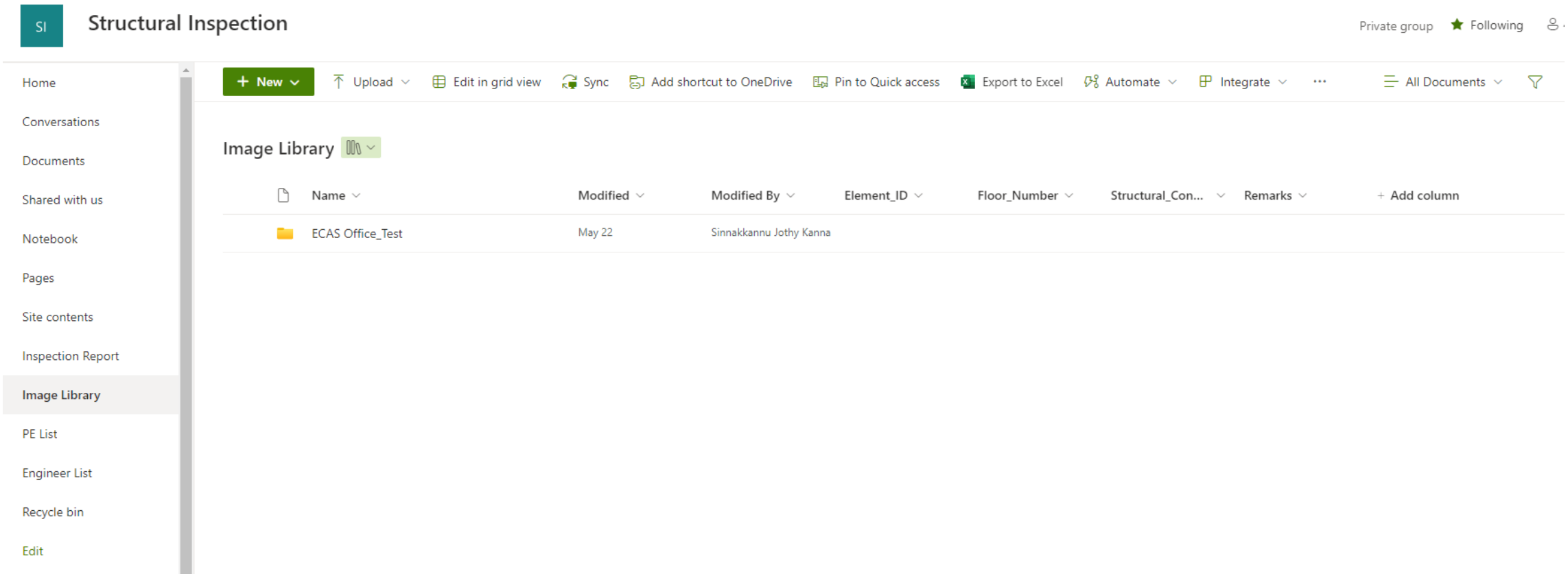


SharePoint=> Engineer List - LIST

ECAS



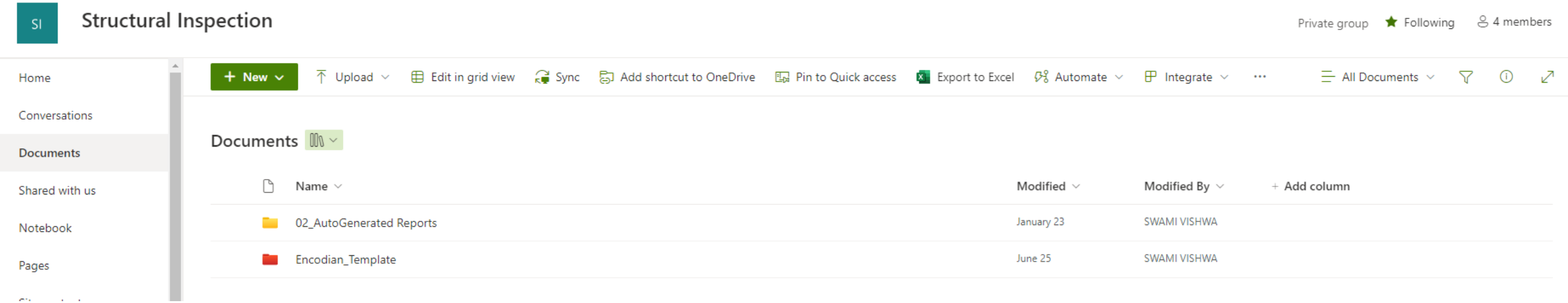
SharePoint=> Image Library – DOCUMENT LIBRARY



Whenever an Item is created in Inspection Report List, a folder is created here. All the images captured from App will be saved in that folder.

SharePoint=> Document

ECAS



1) All the Autogenerated report will be saved in **02_AutoGenerated Reports** folder.
2) Report template is saved in **Encodian_Template** folder

SharePoint=> Document

ECAS

encodian

Home Support Blog Website

Vishwa Swami

- Subscription Management
  - Overview
- Encodian Flowr
- Encodian Vertr
- Encodian Trigr
- Encodian Indxr
- Utilities

Flowr
You have a valid Encodian Flowr subscription. Click here to upgrade your subscription

Vertr
You have a valid Encodian Vertr subscription. Click here to upgrade your subscription

Trigr
No subscription found for Encodian Trigr. Click here to learn more about Encodian Trigr

Indxr
No subscription found for Encodian Indxr. Click here to learn more about Encodian Indxr

Flowr Vertr Trigr Indxr

REALTIME ACTIONS AVAILABILITY

Available Actions	35	Available Data (MB)	999999

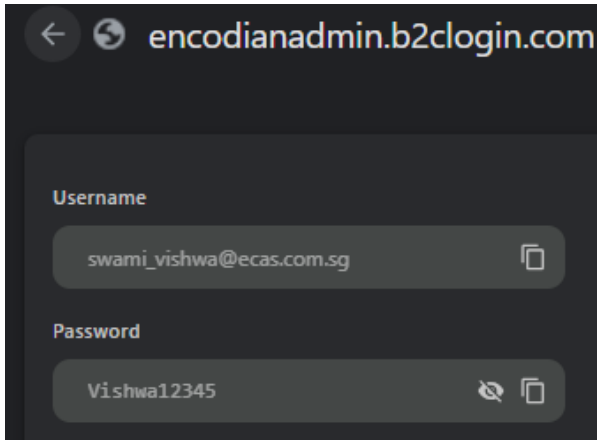
* Your monthly actions allocation will renew on: 8/1/2024 (UTC Timezone)

SUBSCRIPTION OVERVIEW

Subscription Level	Free	Expiration Date	2/24/2124
Actions per Month	50	Action Max File Size (MB)	200
Additional Actions *		Additional Actions Expiry	

ENCODIAN TENANT CONTACTS

Type	Name	Job Title	Number	Email	Address
Actions					
Owner	Vishwa Swami		65336788	swami_vishwa@ecas.com.sg	
Billing					
Technical					



ECAS

Thank you