# Technical Design Document for Asset Management

## Solution Details

|  |  |
| --- | --- |
| **Property** | **Value** |
| **Solution Name** | Asset Management |
| **Unique Name** | AssetManagement |
| **Description** | No description provided. |
| **Solution Type** | Unmanaged |
| **Version** | 1.0.0.2 |

## Pre-requisites

### Environment Variables

|  |  |
| --- | --- |
| **Name** | **Description** |
| AssetAdminGroup | AssetAdminGroup |

### Connection References

|  |  |
| --- | --- |
| **Display Name** | **Logical Name** |
| Microsoft Dataverse AssetManagement-46cf4 | pw\_sharedcommondataserviceforapps\_46cf4 |

## Power Automate

|  |  |  |  |
| --- | --- | --- | --- |
| **Flow Name** | **Description** | **Triggers** | **Actions** |
| Update Item Condition | Automates the process of updating item conditions in the asset allocation system when a row is added, modified, or deleted. | * When a row is added, modified, or deleted | * Update a row |
| Generate Asset Items | Automates the generation of asset items when a row is added, modified, or deleted in the pw\_asset entity. | * When a row is added, modified, or deleted | * Initialize variable * Do until * Add a new row * Decrement variable |

# Data and Security

## Tables

|  |  |  |
| --- | --- | --- |
| **Table Name** | **Description** | **Fields** |
| Asset |  | * pw\_activeassignments * pw\_assetid * pw\_assettype * pw\_isconsumable * pw\_itemtype * pw\_manufacturer * pw\_modelserialnum * pw\_name * pw\_productdocumentation * pw\_productimage * pw\_totalquantity |
| Asset Allocation |  | * pw\_allocationnumber * pw\_asset * pw\_assetallocationid * pw\_assetitem * pw\_assignedby * pw\_assignedto * pw\_dateasssigned * pw\_datereturned * pw\_imageatassign * pw\_imageatreturn * pw\_loanedcondition * pw\_requiresreturn * pw\_returnedcondition * pw\_returnedto |
| Asset Item |  | * pw\_asset * pw\_assetitemid * pw\_available * pw\_barcodenumber * pw\_itemcondition * pw\_itemnumber * pw\_serialnumber |
| Asset Type |  | * pw\_assettypeid * pw\_assettypeimage * pw\_category * pw\_name |
| Manufacturer |  | * pw\_mainbusinessline * pw\_mainpoc * pw\_manufacturerid * pw\_manufacturername |
| Unnamed Table |  |  |