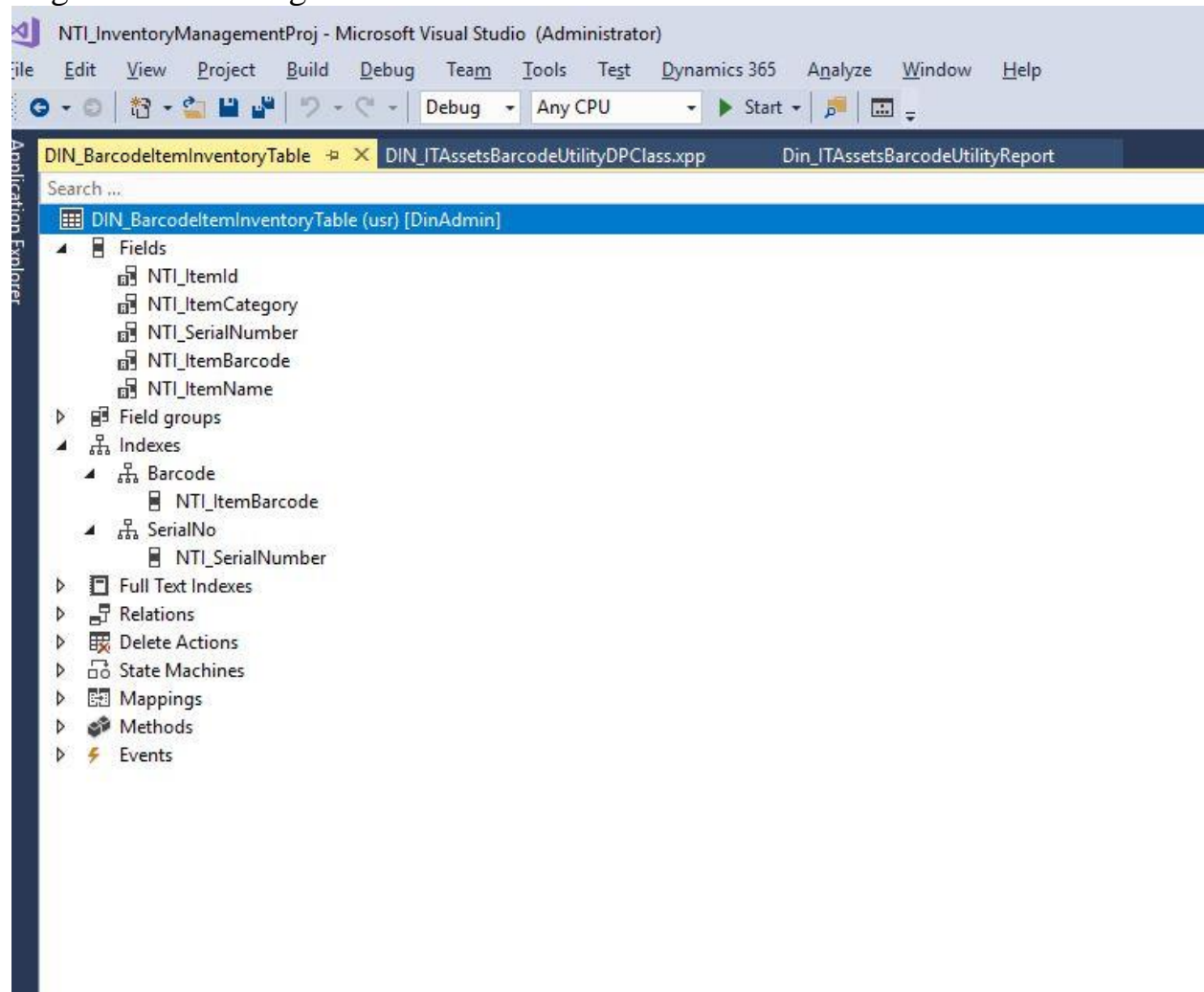
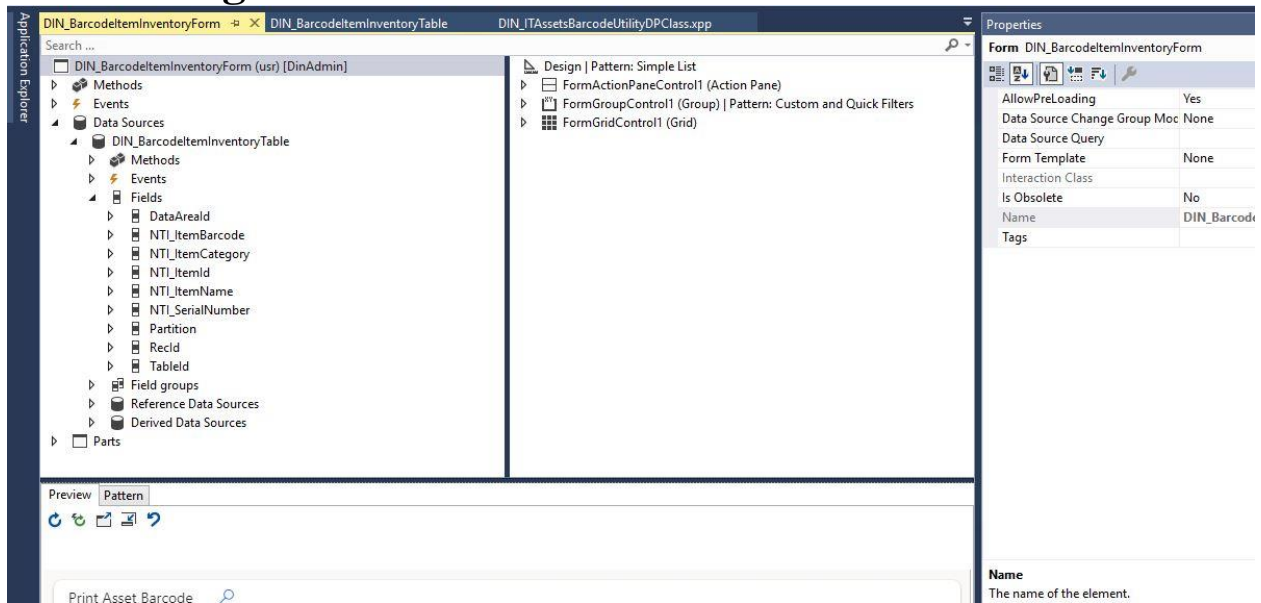


# Form Design Overview for D365 FinOps: Item List Pattern

## Regular Table Design:



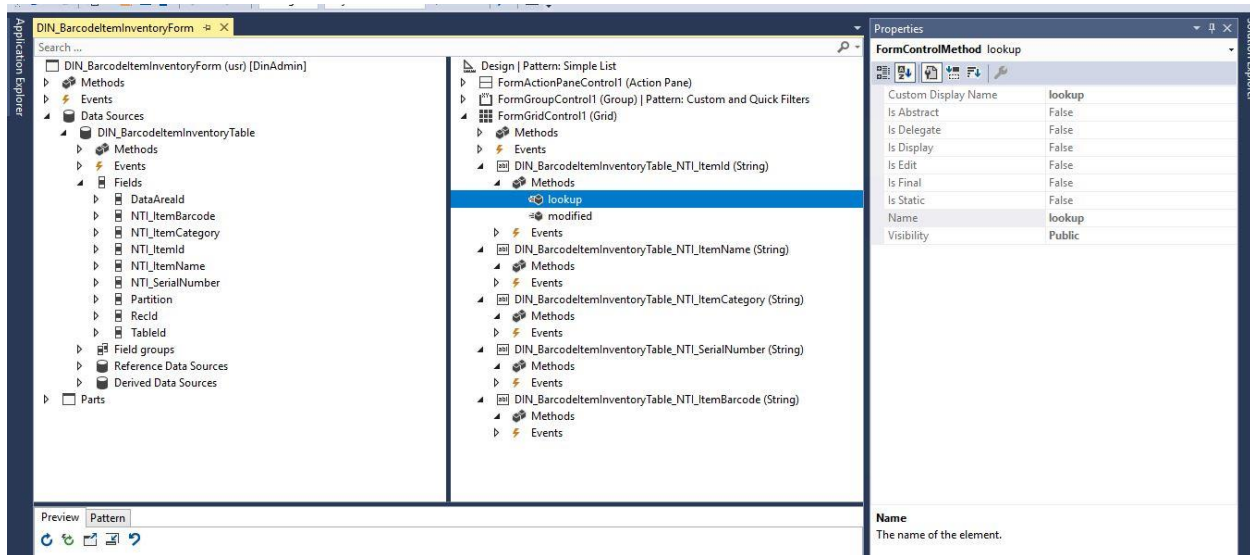
# Form Design:



## Overview:

In D365 FinOps, this form is based on a simple list pattern and displays a grid containing the following five fields:

- **Item ID**
- **Item Name**
- **Item Category**
- **Serial Number**
- **Barcode**



## Structure Design:

The **Item ID** field has two associated methods:

1. **Lookup Method:** This method is used to display the **Item ID** from the table **DIN\_ItemMasterDetailTable**.

```

4      [Control("String")]
5      class DIN_BarcodeItemInventoryTable_NTI_ItemId
6      {
7          public void lookup()
8          {
9              SysTableLookup sysTableLookup;
10             Query query;
11             QueryBuildDataSource qbds;
12             sysTableLookup = SysTableLookup::newParameters(tableNum(DIN_ItemMasterDetailTable), this);
13             query = new Query();
14             qbds = query.addDataSource(tableNum(DIN_ItemMasterDetailTable));
15             sysTableLookup.addLookupfield(fieldNum(DIN_ItemMasterDetailTable, NTI_ItemID));
16             sysTableLookup.addLookupfield(fieldNum(DIN_ItemMasterDetailTable, NTI_ItemName));
17             sysTableLookup.parmQuery(query);
18             sysTableLookup.performFormLookup();
19         }
20     }

```

## Code:

<https://github.com/mahmed-eng/Dynamics-D365-FinOps-in-a-NutShell/blob/main/Form%20method/Lookup%20form%20field%20method.txt>

**Modified Method:** This method auto-fills the **Item Name** and **Item Category** fields based on the selected **Item ID**.

```

public boolean modified()
{
    boolean ret;
    super();

    FormStringControl storeIdControl = this as FormStringControl;
    FormDataSource DIN_BarcodeItemInventoryTableDS = this.formRun().dataSource(1);

    DIN_ItemMasterDetailTable din_ItemMasterDetailTable;
    str itemId = storeIdControl.valueStr();

    select firstonly NTI_ItemName,NTI_ItemType from din_ItemMasterDetailTable
    where din_ItemMasterDetailTable.NTI_ItemID == itemId;

    if (din_ItemMasterDetailTable.RecId)
    {
        DIN_BarcodeItemInventoryTable.NTI_ItemName = din_ItemMasterDetailTable.NTI_ItemName;
        DIN_BarcodeItemInventoryTable.NTI_ItemCategory = din_ItemMasterDetailTable.NTI_ItemType;
    }

    ret = super();
    return ret;
}

```

**Code:**

<https://github.com/mahmed-eng/Dynamics-D365-FinOps-in-a-NutShell/blob/main/Form%20method/Modified%20method%20on%20itemid%20selection%20item%20name%20and%20categor%20autofills.txt>

**Note:**

This setup enhances data entry efficiency by automatically populating relevant fields when an item is selected.

Result of Modified Method:

Finance and Operations

Search for a page

DIN 30ms

Save New Delete Print Asset Barcode Options

DIN\_BarcodeItemInventoryForm

Standard view

Filter

Item ID	Item Name	Item Category	Serial Number	Barcode
NTI-000000001	Laptop	Electrical	SC-1109823	222
NTI-000000002	KeyBoard	Electrical	111111	IT40054
NTI-000000003	Water Bottle			
NTI-000000004	Printer			
NTI-000000005	Mouse			
NTI-000000006	Maintenance Tools			

Finance and Operations

Search for a page

DIN 353ms

Save New Delete Print Asset Barcode Options

DIN\_BarcodeItemInventoryForm

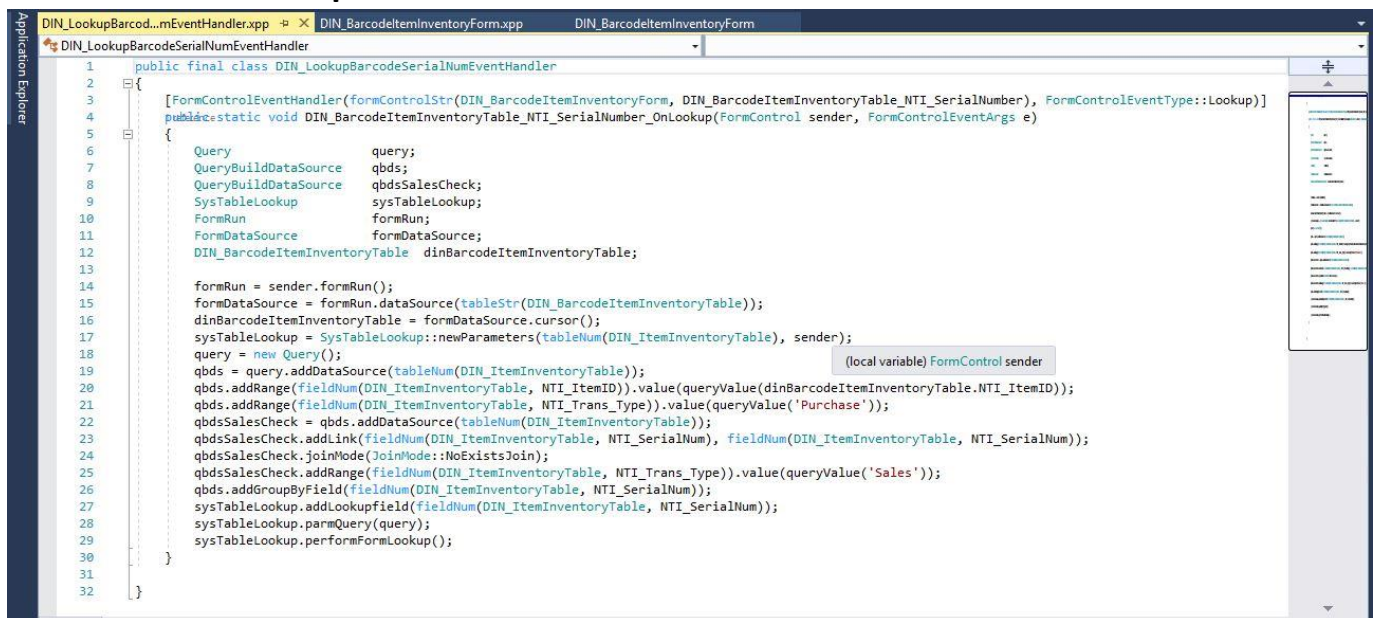
Standard view

Filter

Item ID	Item Name	Item Category	Serial Number	Barcode
NTI-000000001	Laptop	Electrical	SC-1109823	222
NTI-000021	Scanner	Electrical	111111	IT40054

Handwritten red annotations: "autajill" and a red arrow pointing to the "Item ID" column header.

## Serial Number Lookup Event Handler:



## Code:

<https://github.com/mahmed-eng/Dynamics-D365-FinOps-in-a-NutShell/blob/main/Event%20Handlers%20Guide/Barcode%20Serial%20Number%20Lookup%20Eventhandler.txt>

## Serial Number Field Behavior:

The **Serial Number** field is presented as a dropdown in the form. It is configured to exclude any serial numbers that have already been associated with `NTI_Trans_Type = 'Sales'`. This ensures that only available serial numbers not linked to sales transactions are selectable.

Result:

Finance and Operations

Search for a page

DIN 706ms

Save

New

Delete

Print Asset Barcode

Options

DIN\_BarcodeItemInventoryForm

Standard view

Filter

	Item ID	Item Name	Item Category	Serial Number	Barcode
	NTI-000000001	Laptop	Electrical		*
	NTI-000021	Scanner	Electrical	Serial Num...	222
	NTI-000021	Scanner	Electrical	222	IT40054

Finance and Operations

Search for a page

DIN 226ms

Save

New

Delete

Print Asset Barcode

Options

DIN\_BarcodeItemInventoryForm

Standard view

Filter

	Item ID	Item Name	Item Category	Serial Number	Barcode
	NTI-000000001	Laptop	Electrical	222	IT445353
	NTI-000021	Scanner	Electrical	SC-1109823	222
	NTI-000021	Scanner	Electrical	111111	IT40054