

Example1: PurchaseExample1

In this report I have a dataset with: Purchase Header and Purchase Line:

```
report 50100 PurchaseExample1
{
    UsageCategory = ReportsAndAnalysis;
    ApplicationArea = All;
    Caption = 'PurchaseExample1';
    RDLCLayout = 'PurchaseExample1.rdl';

    dataset
    {
        0 references
        dataitem(PurchaseHeader; "Purchase Header")
        {
            PrintOnlyIfDetail = true; // This is to skip header that has no lines
            RequestFilterFields = "No.", "Document Type"; // These are the default fields in the request page

            0 references
            column(DocumentNo; "No.")
            {
            }

            0 references
            column(BuyfromVendorNo; "Buy-from Vendor No.")
            {
            }

            0 references
            column(BuyfromVendorName; "Buy-from Vendor Name")
            {
            }

            0 references
            column(DocumentDate; "Document Date")
            {
            }

            0 references
            dataitem(PurchaseLine; "Purchase Line")
            {
                DataItemLink = "Document No." = field("No."); // This is the link from Line to Header
                DataItemTableView = sorting("Line No."); // This is to remove the data item from Request Page

                0 references
                column(No; "No.")
                {
                }

                0 references
                column(Type; Type)
                {
                }

                0 references
                column(Amount; Amount)
                {
                }
            }
        }
    }
}
```

Also, there's an empty request page:

```

0 references
requestpage
{
  layout
  {
    0 references
    area(content)
    {
      0 references
      group(Options)
      {
      }
    }
  }
  actions
  {
    0 references
    area(processing)
    {
    }
  }
}

```

In the layout I have the following:

First I put a table with all fields from the dataset, so it shows me what the dataset looks like:						
Document No	Buyfrom	Buyfrom	Document	No	Type	Amount
[DocumentNo]	[BuyfromVendor]	[BuyfromVendor]	[DocumentDate]	[No]	[Type]	[Amount]
Here's the same table, with a group on DocumentNo, and totals:						
Document No	Buyfrom	Buyfrom	Document	No	Type	Amount
[DocumentNo]	[BuyfromVendor]	[BuyfromVendor]	[DocumentDate]			
				[No]	[Type]	[Amount]
				Group Total:		[Sum(Amount)]
				Table Total:		[Sum(Amount)]

The first table simply contains all fields from the dataset. I always add this because then I can see if there's an error in the dataset or an error in the layout, in case something looks strange.

The second table has the same fields, but with a grouping on DocumentNo, and a groupheader/footer and a Table footer row.

When you run the report, without any filters, you see this:



Filter: Purchase Header

× No.

× Document Type

+ Filter...

Filter totals by:

+ Filter...

PURCHASEEXAMPLE1



Filter: Purchase Header

× No. 106003 |

× Document Type



+ Filter...

Filter totals by:

+ Filter...

Send to...

Print

Preview

Cancel

But, sometimes you add extra dataitems to the dataset, with some programming, and so on, and then suddenly the filters from the dataitems in the requestpage might not be applied anymore. A solution for that is the second example, in which I will use a variable in the request page and use its value to filter the dataitem in the OnPreDataitem trigger.

Example1: PurchaseExample2

This is the dataset of the second example report:

```
report 50102 PurchaseExample2
{
    UsageCategory = ReportsAndAnalysis;
    ApplicationArea = All;
    Caption = 'PurchaseExample2';
    RDLCLayout = 'PurchaseExample2.rdl';

    dataset
    {
        1 reference
        dataitem(PurchaseHeader; "Purchase Header")
        {
            PrintOnlyIfDetail = true; // This is to skip header that has no lines
            //RequestFilterFields = "No.", "Document Type"; // These are the default fields in the request page
            DataItemTableView = sorting("No."); // This is to remove the data item from Request Page

            0 references
            column(DocumentNo; "No.")
            {
            }
            0 references
            column(BuyfromVendorNo; "Buy-from Vendor No.")
            {
            }
            0 references
            column(BuyfromVendorName; "Buy-from Vendor Name")
            {
            }
            0 references
            column(DocumentDate; "Document Date")
            {
            }
            0 references
            dataitem(PurchaseLine; "Purchase Line")
            {
                ...
            }
            trigger OnPreDataItem() // This is the OnPreDataItem trigger of the Purchase Header
            begin
                SetRange(PurchaseHeader."No.", DocumentNumberFilter); //I use the value of the var DocumentNumberFilter to filter the Purchase Header
            end;
        }
    }
}
```

I have hidden the two dataitems from the requestpage using the sorting property and by disabling the reqfilterfields.

In the OnPreDataItem() trigger of the purchase header I'm filtering, using a global variable, that is also on the request page:

```

0 references
requestpage
{
    layout
    {
        0 references
        area(content)
        {
            0 references
            group(Options)
            {
                0 references
                field(DocumentNumberFilter; DocumentNumberFilter)
                {
                    TableRelation = "Purchase Header"."No.";
                    ApplicationArea = All;
                    Caption = 'Please filter on a Purchase Document: ';
                }
            }
        }
    }
    actions
    {
        0 references
        area(processing)
        {
        }
    }
}
var
    2 references
    DocumentNumberFilter: code[20];

```

When you run the report, you see this:

PURCHASEEXAMPLE2



Options

Please filter on a Purchase ...

Send to...

Print

Preview

Cancel

When you don't provide a Purchase Header No, then no data is returned:

First I put a table with all fields from the dataset, so it shows me what the dataset looks like:

Document No	Buyfrom Vendor No	Buyfrom Vendor Name	Document Date	No	Type	Amount

Here's the same table, with a group on DocumentNo, and totals:

Document No	Buyfrom Vendor No	Buyfrom Vendor Name	Document Date	No	Type	Amount
				Table Total:		

Otherwise you get this:

PURCHASEEXAMPLE2



Options

Please filter on a Purchase ...

106003



Send to...

Print

Preview

Cancel

First I put a table with all fields from the dataset, so it shows me what the dataset looks like:

Document No	Buyfrom Vendor No	Buyfrom Vendor Name	Document Date	No	Type	Amount
106003	40000	Wide World Importers	4/13/2019 12:00:00 AM	1900-S	Item	1208.8
106003	40000	Wide World Importers	4/13/2019 12:00:00 AM	1908-S	Item	2978
106003	40000	Wide World Importers	4/13/2019 12:00:00 AM	1906-S	Item	6798

Here's the same table, with a group on DocumentNo, and totals:

Document No	Buyfrom Vendor No	Buyfrom Vendor Name	Document Date	No	Type	Amount
106003	40000	Wide World Importers	4/13/2019 12:00:00 AM			
				1900-S	Item	1208.8
				1908-S	Item	2978
				1906-S	Item	6798
				Group Total:		10984.8
				Table Total:		10984.8

