

# Overview Page

---

## Task 1: Create new CDS **ZWS##\_CDS\_OVP**

- Create a new CDS based on cds *ZTMCD9\_I\_SO\_ITEMS*
- Set annotation *@Metadata.allowExtensions: true*
- Add fields:

### Field

---

Sold as SalesOrder

---

Id as SalesOrderItem

---

CustomerName

---

ProductId

---

ProductName

---

CurrencyCode

---

GrossAmount

---

NetAmount

---

'sap-icon://sales-order' as SAPIconUrl

```
@AbapCatalog.sqlViewName: 'ZWK##CDSOVP'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@endUserText.label: 'Overview Page'
@Metadata.allowExtensions: true
define view ZWS##_CDS_OVP
  as select from ZTMCD9_I_SO_ITEMS
{
  key SoId as SalesOrder,
  key Id as SalesOrderItem,
  CustomerName,
  ProductId,
  ProductName,
  CurrencyCode,
  GrossAmount,
  NetAmount,
  'sap-icon://sales-order' as SAPIconUrl
}
```

## Task 2: Create Metadata Extension **ZWS##\_ME\_CDS\_OVP**

- Create new Metadata Extension
- Set annotations

Field	Annotation
SalesOrder	lineItem position 10
SalesOrder	selectionField position 10
SalesOrderItem	lineItem position 20
GrossAmount	lineItem position 30

```
@Metadata.layer: #CUSTOMER
annotate view ZWS##_CDS_OVP with
{
    @UI.lineItem: [{ position: 10 }]
    @UI.selectionField: [{ position: 10 }]
    SalesOrder;
    @UI.lineItem: [{ position: 20 }]
    SalesOrderItem;
    @UI.lineItem: [{ position: 30 }]
    GrossAmount;
}
```

## Task 3: Add **ZWS##\_CDS\_OVP** to *Service Definition*

- Add this new CDS to your *Service Definition* as OverviewPage

```
@EndUserText.label: 'UI ## Service Definition'
define service ZUI_WKSP_## {
    expose ZWS##_CDS_Simple as SimpleCDS;
    expose ZWS##_CDS_Basic as BasicCDS;
    expose ZWS##_CDS_LIST as BasicList;
    expose ZWS##_CDS_LIST_SEARCH as BasicSearch;
    expose ZWS##_CDS_LIST_OBJECT as ListObject;
    expose ZWS##_CDS_C_LO as ListObjectME;
    expose ZWS##_CDS_NAV_EXT as ExtNavi;
    expose ZWS##_CDS_OVP as OverviewPage;
}
```

## Task 4: Create Service Binding OData V2 **ZUI\_WKSP\_##\_V2**

- For Overview Pages we need to have a OData V2 service
- Create a new Service Binding with name **ZUI\_WKSP\_##\_V2**
- Use *Binding Type* **OData V2 - UI**

**New Service Binding**

**Service Binding**

Create Service Binding

Project: \* TRL\_EN\_1

Package: \* Z\_WKSP\_98

☐ Add to favorite packages

Name: \* ZUI\_WKSP\_98\_V2

Description: \* UI 98 Service Binding V2

Original Language: EN

Binding Type: \* **OData V2 - UI**

Service Definition: \* ZUI\_WKSP\_98

- Publish the new Service Binding

**Service Binding: ZUI\_WKSP\_98\_V2**

**General Information**  
This section describes general information about this service binding.  
Binding Type: OData V2 - UI

**Service Versions**  
Define service versions associated with the service binding.  
Type filter text  

Version	Service Definition
1.0.0	ZUI_WKSP_98

Add... Remove

**Service Version Details**  
View information on selected service version.  
Default Authorization Values: 6388A6904D1D90CE93D10B65E9F9C1HT  
Local Service Endpoint: Published Unpublish

**Service Information**  
Service URL: /sap/opu/odata/sap/ZUI\_WKSP\_98\_V2  
Type filter text  
Entity Set and Association  

- zsmcd9\_c\_vh\_cust
- BasicCDS
- ListObjectIME
- BasicList
- ListObject
- BasicSearch
- ExtHost
- OverviewPage
- SimpleCDS

Preview...

## Task 5: Create a new Fiori elements application with the new CDS/OData V2

Create a new Fiori Application using the Template Wizard for a *Overview Page*

Field	Value
Data source	Connect to a System
System	abap-cloud-default_xx-dev (BTP)
Service	ZUI_WKSP_##_V2
Main entity	OverviewPageType
Module name	overview-page
Application title	Overview Page
Application namespace	nato.workshop
Description	Overview Page
Project folder path	/home/user/projects
Add deployment configuration	Yes
Add FLP configuration	Yes
Deployment Target	Cloud Foundry
Destination name	abap-cloud-default_xx(SCP)
Add application to managed application router	Yes
Semantic Object	NATO
Action	OverviewPage
Title	Overview Page
Subtitle	Workshop

- Data Source and Service Selection

### Data Source and Service Selection

Configure the data source and select a service.

Data source \*

Connect to a System

System ? \*

abap-cloud-default\_abap-trial-d4a3a905trial-dev (BTP)

Service \*

ZUI\_WKSP\_98\_V2 (1) - OData V2

- Entity Selection

### Entity Selection

Configure the selected service.

Filter entity \*

OverviewPageType





- Project Attributes

### Project Attributes

Configure the main project attributes.

Module name ? \*

overview-page

Overview-page
Application title 
Overview Page
Application namespace 
nato.workshop
Description 
Overview Page
Project folder path *
/home/user/projects
Minimum SAPUI5 version  *
1.96.7 (Source system version)
Add deployment configuration
<input checked="" type="radio"/> Yes <input type="radio"/> No
Add FLP configuration
<input checked="" type="radio"/> Yes <input type="radio"/> No
Configure advanced options
<input type="radio"/> Yes <input checked="" type="radio"/> No

- Fiori Launchpad Configuration

## Fiori Launchpad Configuration

Configure Fiori Launchpad settings

Semantic Object \*

NATO

Action \*

OverviewPage

Title \*

Overview Page

Subtitle (optional)

Workshop

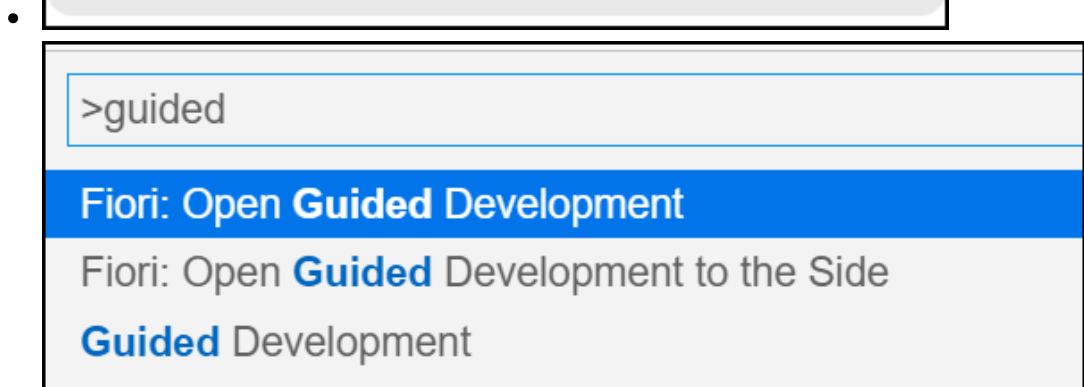
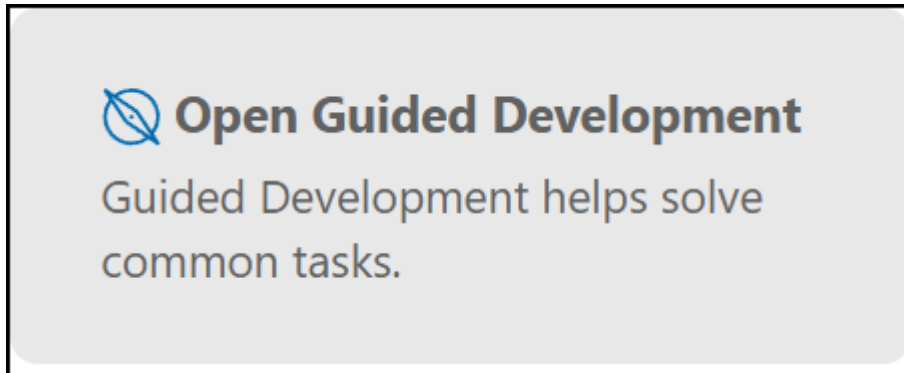
- Open the manifest.json file and add **"useBatch": false**, to the *settings* part of the *mainModel*

```

103 overview-page > webapp > manifest.json > {} sap.ui5 > {} models > {} mainModel > {} settings > ...
104 },
105 "mainModel": {
106   "dataSource": "mainService",
107   "preload": true,
108   "settings": {
109     "defaultBindingMode": "TwoWay",
110     "defaultCountMode": "Inline",
111     "refreshAfterChange": false,
112     "useBatch": false,
113     "metadataUriParams": {
114       "sap-value-list": "none"
115     }
116   }
117 },
118 "@i18n": {
119   "type": "sap.ui.model.resource.ResourceModel",
120   "uri": "i18n/i18n.properties"
121 }
122 },
  
```

## Task 6: Add Table Card

- From the *Application Info* page or via CTRL+SHIFT+P, *Open Guided Development* and select *\*Add a table card to an overview page*





Guided Development - overview-page

Project

overview-p...

▼

↺

Group by

Page Type

▼

Overview Page

Add a custom card to an overview page

Add a custom filter to the filter bar

Add a link list card to an overview page

Add a list card to an overview page

Add a stack card to an overview page

Add a static link list card to an overview page

Add a table card to an overview page

Add an analytical card to an overview page

Enable data label in analytical charts

Enable semantic date range on smart filter bar

Specify layout for the card container

• Start Guide

Add a table card to an overview page

About

Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Description

A table card displays a list of records in a 3-column table layout. A table card embeds the UI5 responsive control `sap.m.Table`. Note following:

- Always limit the width of the table to three columns.
- No row should display more than three lines of text.
- Each table row should be clickable and should navigate to a specific application screen.
- Single and multi-select actions are not supported on a card.

Annotation Term(s) used :

[UI.LineItem](#), [UI.DataPoint](#), [UI.SelectionVariant](#), [UI.Identification](#)

Sample Preview

Standard

Not Filtered

Reorder Soon

Less than 10 in stock

5 of 134

Sally Spring

400000000

+1 224 374524

Susan Summer

400000001

+1 610 6615530

Franco Fall

400000002

+1 213 6615538

Walter Winter

400000003

+1 415 6991599

Maria Hicks

400000004

+1 212 6539539

Recent Contacts

Awaiting Approval

Approve Purchase Orders

0 of 0

View All

Employees Link List

Standard

Sally Spring

SPRINGS

Susan Summer

SUMMERS

Franco Fall

FALLF

Walter Winter

WINTERW

Maria Hicks

HICKSM

New Sales Orders

Today

5 of 134

Name

Employee

Phone

Sally Spring

400000000

+1 224 374524

Susan Summer

400000001

+1 610 6615530

Franco Fall

400000002

+1 213 6615538

Walter Winter

400000003

+1 415 6991599

Maria Hicks

400000004

+1 212 6539539

Recent Contacts

Manage Products

Best Sellers

Last 30 days

5 of 134

Sally Spring

Susan Summer

Franco Fall

Walter Winter

Maria Hicks

Start Guide

Exit Guide

- Select *Step 5* and set *Model*, *Entity Set* and *Card ID* under bullet **New Card Parameters**

Name	Value
Model	mainModel
Entity Set	OverviewPage
Card ID	Card00

- New Card Parameters
- Scroll down to bullet **Table Card Settings Parameters** and enter following settings:

Name	Value
Title	{{card00_title}}

Name	Value
Entity Type	OverviewPageType
Sort By	SalesOrder
Sort Order	Ascending
Tabs	No

- Select **Insert Snippet** and *Exit Guide*

Add a table card to an overview page

AboutStep 1Step 2Step 3Step 4Step 5Step 6

• Table Card Settings Parameters

Enter a **Title** that will be the title of your newly created card.

Select the **Entity Type** that you will use for sort property.

Select a **SortBy** Property.

Select a **Sort Order**.

Select the **UI.LineItem Annotation Path** to represent data from multiple data instances in a table or a list in your table card.

Select the **UI.DataPoint Annotation Path** to visualize a single point of data in your table card.

Select the **UI.SelectionVariant Annotation Path** to define filters on the entity set of your table card.

Select the **UI.Identification Annotation Path** for your table card.

Title

Entity Type \*

Sort By

Sort Order

Tabs

LineItem Qualifier

DataPoint Qualifier

Selection Qualifier

Identification Qualifier

Insert Snippet

Copy

Reset

1

"sap.ovp": {

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Next >

Exit Guide

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- OverviewPage.json

```

1  {
2    "globalFilterModel": "mainModel",
3    "globalFilterEntityType": "OverviewPageType",
4    "containerLayout": "resizable",
5    "enableLiveFilter": true,
6    "considerAnalyticalParameters": false,
7    "cards": {
8      "Card00": {
9        "model": "mainModel",
10       "template": "sap.ovp.cards.table",
11       "tableCardSettings": {
12         "title": "{{card00_title}}",
13         "entitySet": "OverviewPage",
14         "sortOrder": "ascending",
15         "sortBy": "SalesOrder"
16       }
17     }
18   },
19   "$schema": "../.schemas/OverviewPage.json"
20 }

```

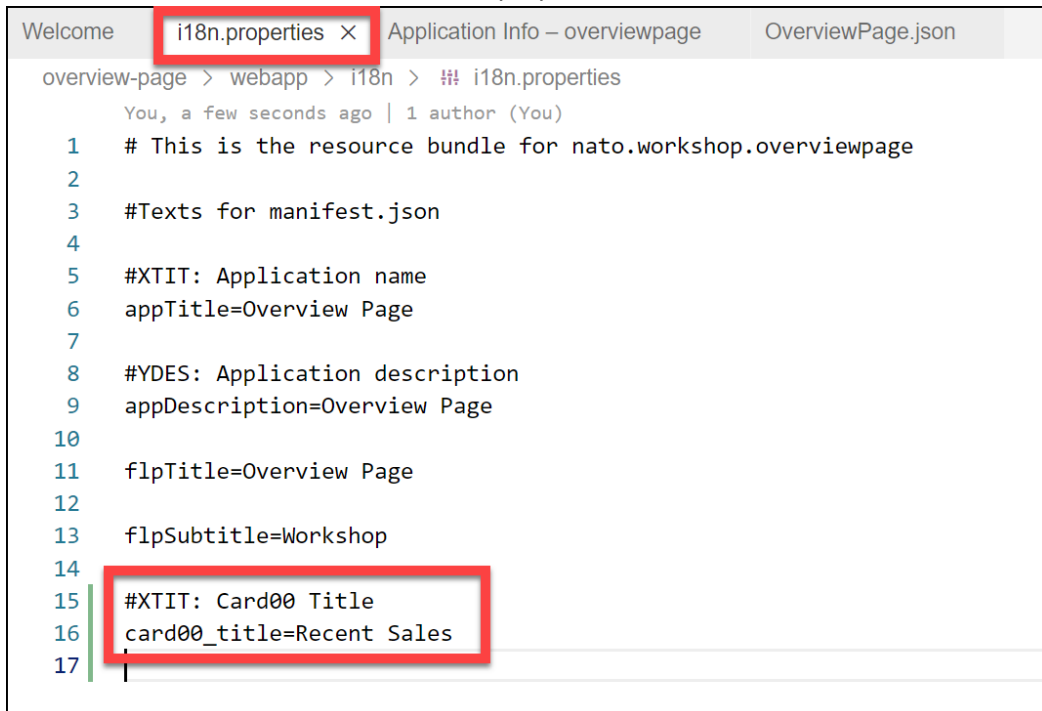
- Look at *manifest.json*

```

119  "type": "sap.ui.model.resource.ResourceModel",
120  "uri": "i18n/i18n.properties"
121  },
122  },
123  "resources": {
124    "css": []
125  },
126  "routing": {
127    "config": {},
128    "routes": [],
129    "targets": {}
130  },
131  },
132  "sap.ovp": {
133    "globalFilterModel": "mainModel",
134    "globalFilterEntityType": "OverviewPageType",
135    "containerLayout": "resizable",
136    "enableLiveFilter": true,
137    "considerAnalyticalParameters": false,
138    "cards": {
139      "Card00": {
140        "model": "mainModel",
141        "template": "sap.ovp.cards.table",
142        "settings": {
143          "title": "{{card00_title}}",
144          "entitySet": "OverviewPage",
145          "sortOrder": "ascending",
146          "sortBy": "SalesOrder"
147        }
148      }
149    }
150  },
151  "sap.fiori": {
152    "registrationIds": [],

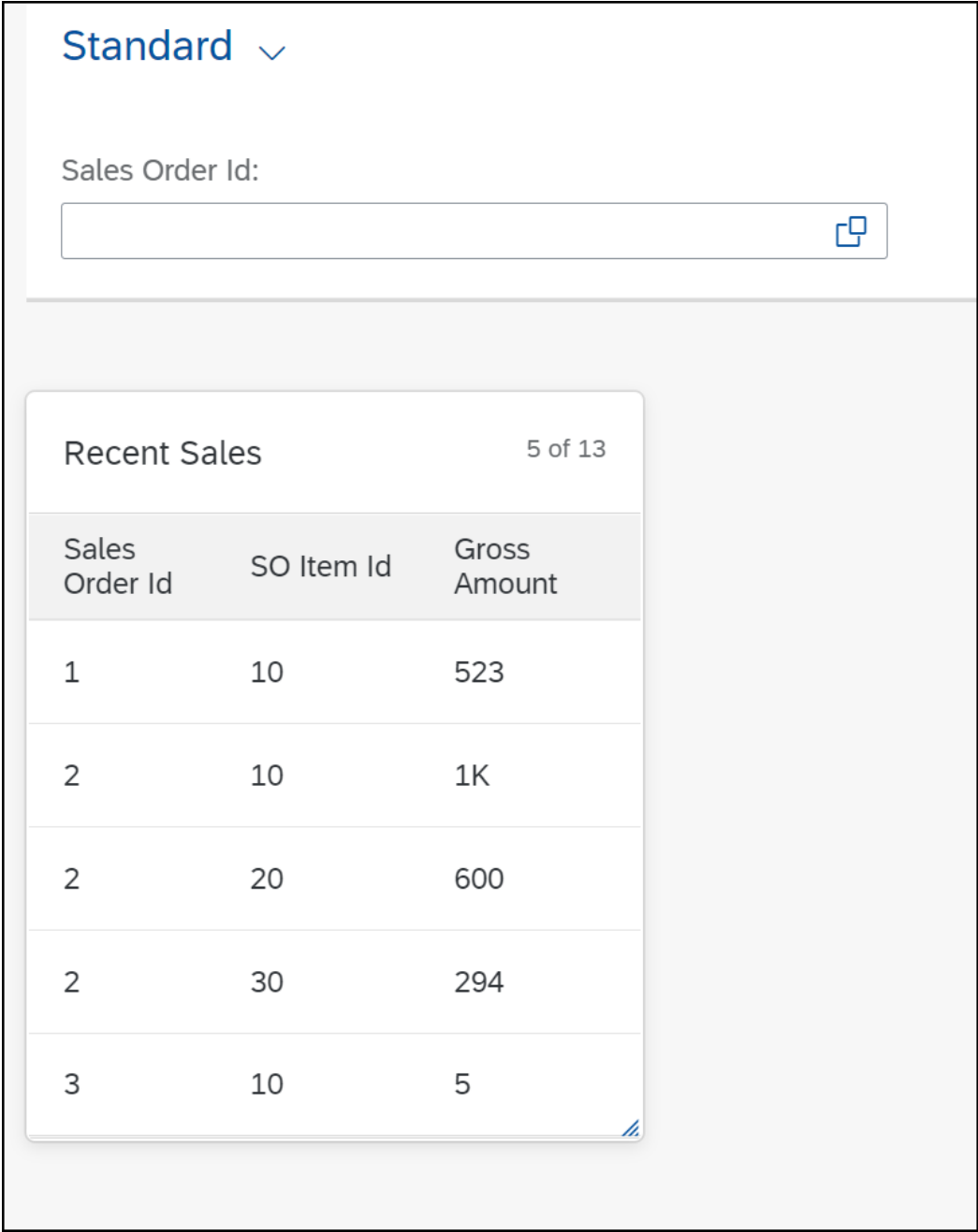
```

- Add **card00\_title=Recent Sales** to *i18n.properties* file



```
Welcome | i18n.properties x | Application Info – overviewpage | OverviewPage.json
overview-page > webapp > i18n > ## i18n.properties
You, a few seconds ago | 1 author (You)
1 # This is the resource bundle for nato.workshop.overviewpage
2
3 #Texts for manifest.json
4
5 #XTIT: Application name
6 appTitle=Overview Page
7
8 #YDES: Application description
9 appDescription=Overview Page
10
11 flpTitle=Overview Page
12
13 flpSubtitle=Workshop
14
15 #XTIT: Card00 Title
16 card00_title=Recent Sales
17
```

- Now preview the application



### Task 7: Add Analytical Card

- Add annotations `@UI.chart` to the Metadata Extension

```
@Metadata.layer: #CUSTOMER

@UI.chart: [{
  title: 'Sales by Customer',
  chartType:#DONUT ,
  dimensions: [ 'CustomerName' ],
```

```

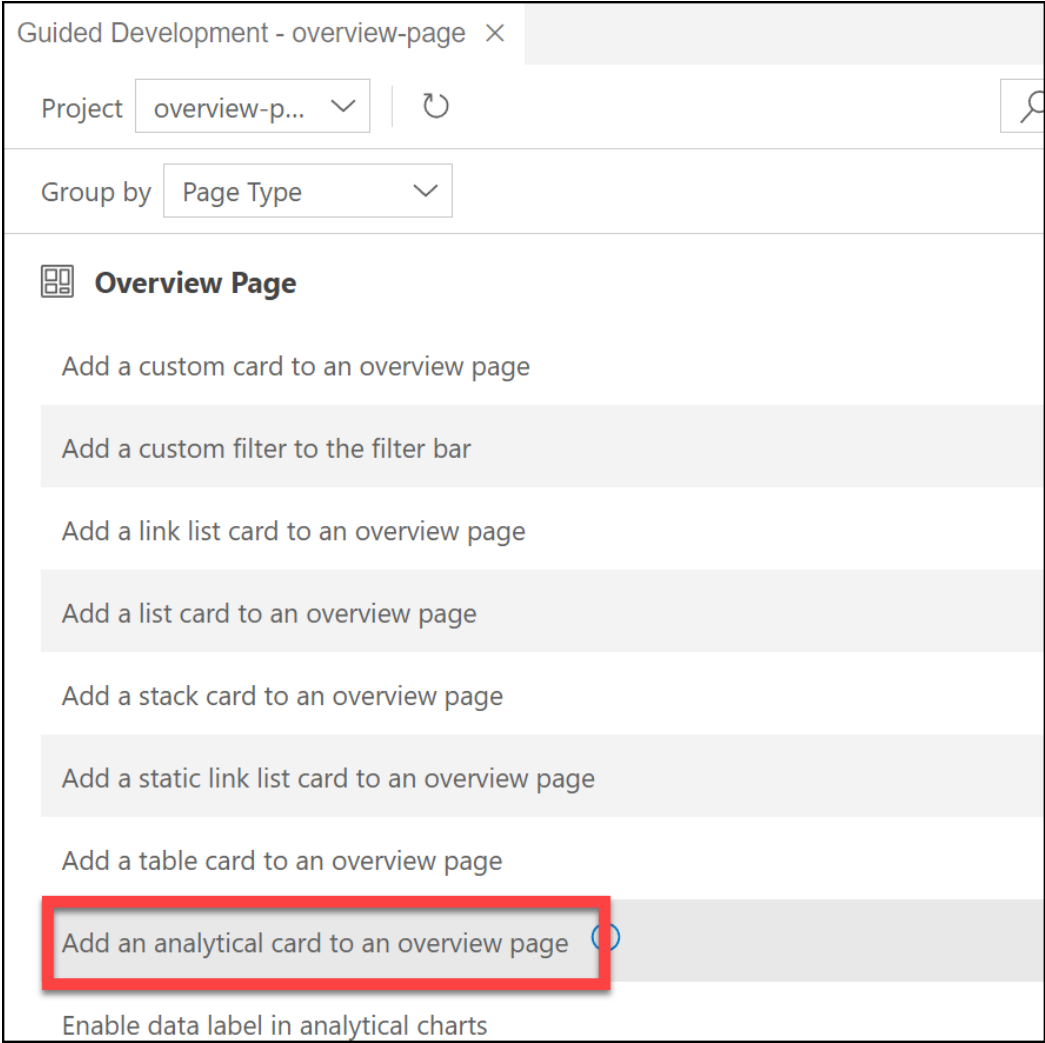
    measures: [ 'GrossAmount' ],
    dimensionAttributes: [{
        dimension: 'CustomerName',
        role: #CATEGORY
    }],
    measureAttributes: [{
        measure: 'GrossAmount',
        role: #AXIS_1,
        asDataPoint: false
    }]
}]

annotate view ZWS##_CDS_OVP with
{
    @UI.lineItem: [{ position: 10 }]
    @UI.selectionField: [{ position: 10 }]
    SalesOrder;
    @UI.lineItem: [{ position: 20 }]
    SalesOrderItem;
    @UI.lineItem: [{ position: 30 }]
    GrossAmount;
}

```

- Add **card01\_title=Sales by Customer** to file *i18n.properties*

- Use *Guided Development* to **Add an analytical card to an overview page**



- Start the Guide
- Select *Step 5* and set *Model and Card ID* under bullet **New Card Parameters**

Name	Value
Model	mainModel
Card ID	Card01



### Add an analytical card to an overview page

About

Step 1

Step 2

Step 3

Step 4

Step 5

Enter the card settings in overview page config file

Specify the parameters below and click the Insert Snippet button to update the page config file. Alternatively, locate and expand the Application Modeler view from the Explorer side bar. In this view, search your project and open the page config file within the **Pages** folder. Update it to match the following code snippet.

- New Card Parameters**

Select a **Model** name which you would like to use for the analytical card.

Enter a unique **Card ID** that can help you identify the newly created analytical card in the overview page.

Select a **Template Type** for your new card.

Model

mainModel

Card ID \*

Card01

- Scroll down to bullet **Table Card Settings Parameters** and enter following settings:

Name	Value
Entity Set	OverviewPage
Title	{{card01_title}}
Chart Annotation Path	UI.Chart

- Select **Insert Snippet** and *Exit Guide*

• New Analytical Card Parameters

Enter a **Title** that will be the title of your newly created card.

Enter a **Subtitle** that will be the subtitle of your newly created card.

Select the **Entity Set** that you will use in your analytical card.

Select the **Presentation Annotation Path** that you want to use as the **UI.PresentationVariant** in your analytical card.

Select the **Chart Annotation Path** that specify the dimensions and measures that make up your analytical card.

Select the **DataPoint Annotation Path** to your **UI.DataPoint** annotation term that you want to use in your analytical card.

Enter the **Value Selection Info** for your analytical card.

Entity Set \*

OverviewPage

▼

Title \*

{{card01\_title}}

Subtitle

Enter a subtitle for the card

Presentation Annotation Path

Select a presentation annotation path

▼

Chart Annotation Path

UI.Chart

▼

DataPoint Annotation Path

Select a datapoint annotation path

▼

Identification Qualifier

Select an identification qualifier

▼

Value Selection Info

Enter a value selection info for the card

Insert Snippet

Copy

Reset

▼

1

"sap.ovp": {

2

"cards": {

3

"Card01": {

4

"model": "mainModel",

5

"template": "sap.ovp.cards.charts.analytical",

6

"analyticalCardSettings": {

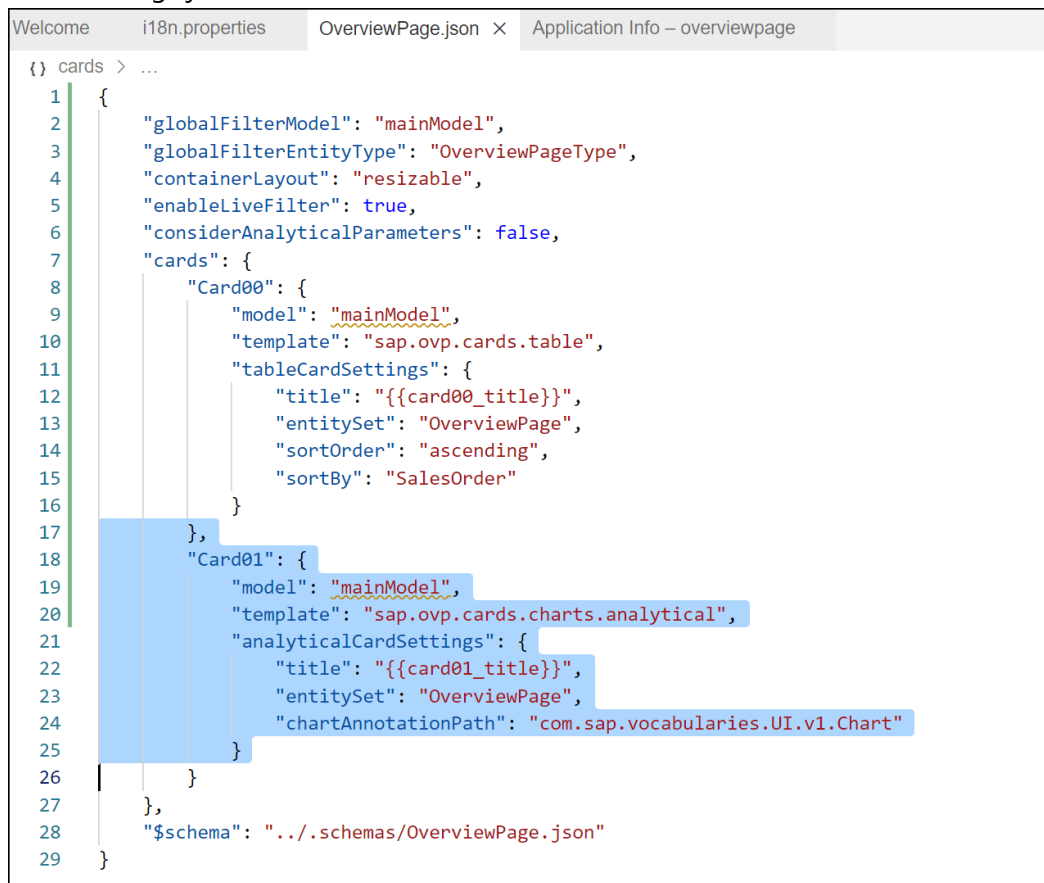
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Exit Guide

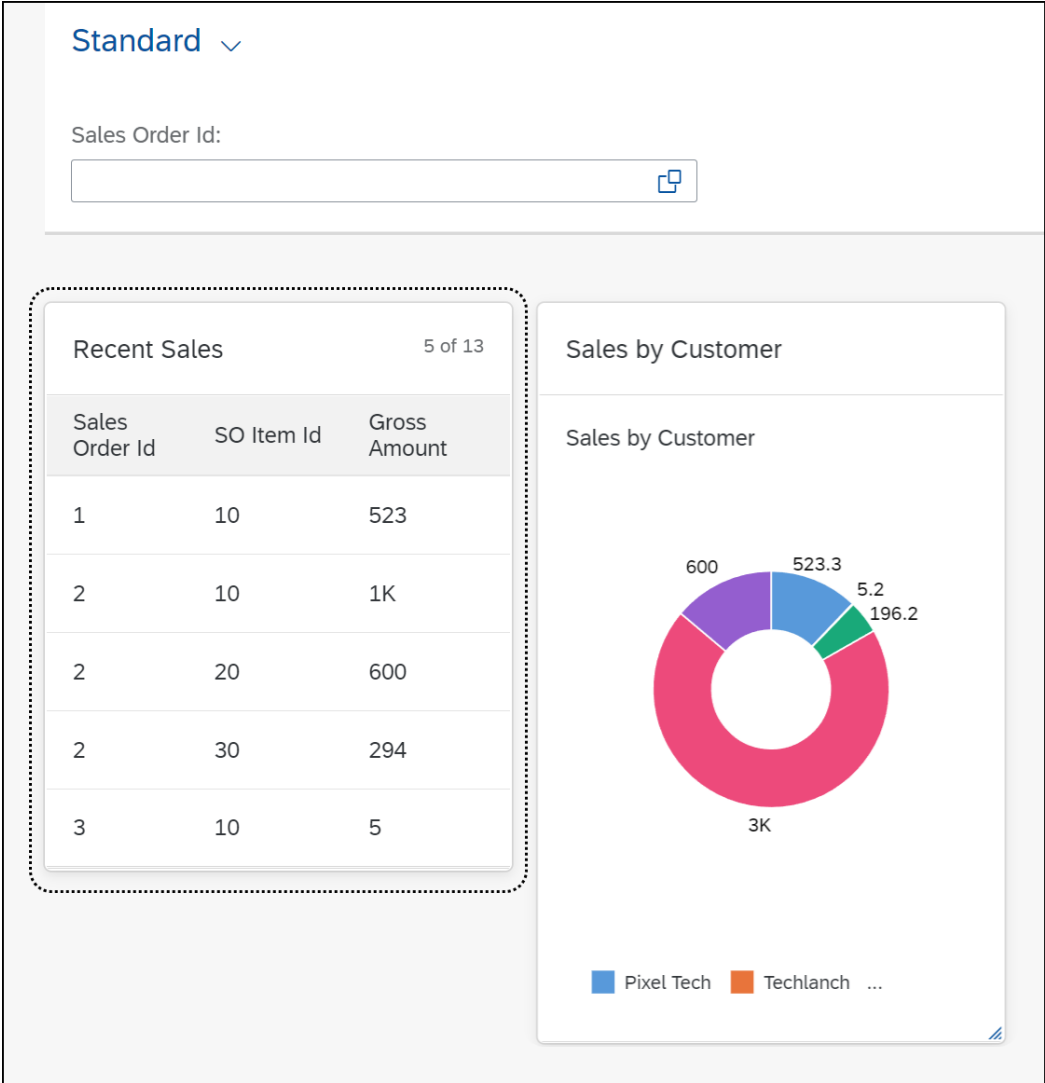
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- OverviewPage.json



```
{
  "cards": {
    "Card00": {
      "model": "mainModel",
      "template": "sap.ovp.cards.table",
      "tableCardSettings": {
        "title": "{{card00_title}}",
        "entitySet": "OverviewPage",
        "sortOrder": "ascending",
        "sortBy": "SalesOrder"
      }
    },
    "Card01": {
      "model": "mainModel",
      "template": "sap.ovp.cards.charts.analytical",
      "analyticalCardSettings": {
        "title": "{{card01_title}}",
        "entitySet": "OverviewPage",
        "chartAnnotationPath": "com.sap.vocabularies.UI.v1.Chart"
      }
    }
  },
  "$schema": "../schemas/OverviewPage.json"
}
```

- Now preview the application



### Task 8: Add Stack Card

- Add annotation `@UI.headerInfo` to the Metadata Extension
- Add annotation `@UI.facet`
- Add annotations `@UI.fieldGroup` with *qualifier* **DETAILD** for fields **CustomerName** and **ProductName**

```
@Metadata.layer: #CUSTOMER

@UI.chart: [{
  title: 'Sales by Customer',
  chartType:#DONUT ,
  dimensions: [ 'CustomerName' ],
  measures: [ 'GrossAmount' ],
  dimensionAttributes: [{
    dimension: 'CustomerName',
```

```

        role: #CATEGORY
    }],
    measureAttributes: [{
        measure: 'GrossAmount',
        role: #AXIS_1,
        asDataPoint: false
    }]
}]

@UI.headerInfo: {
    typeNamePlural: 'Sales Orders',
    typeName: 'Sales Order',
    imageUrl: 'SAPIconUrl',
    title: {
        label: 'Sales Order ID',
        value: 'SalesOrder'
    },
    description: {
        label: 'Sales Order Item',
        value: 'SalesOrderItem'
    }
}

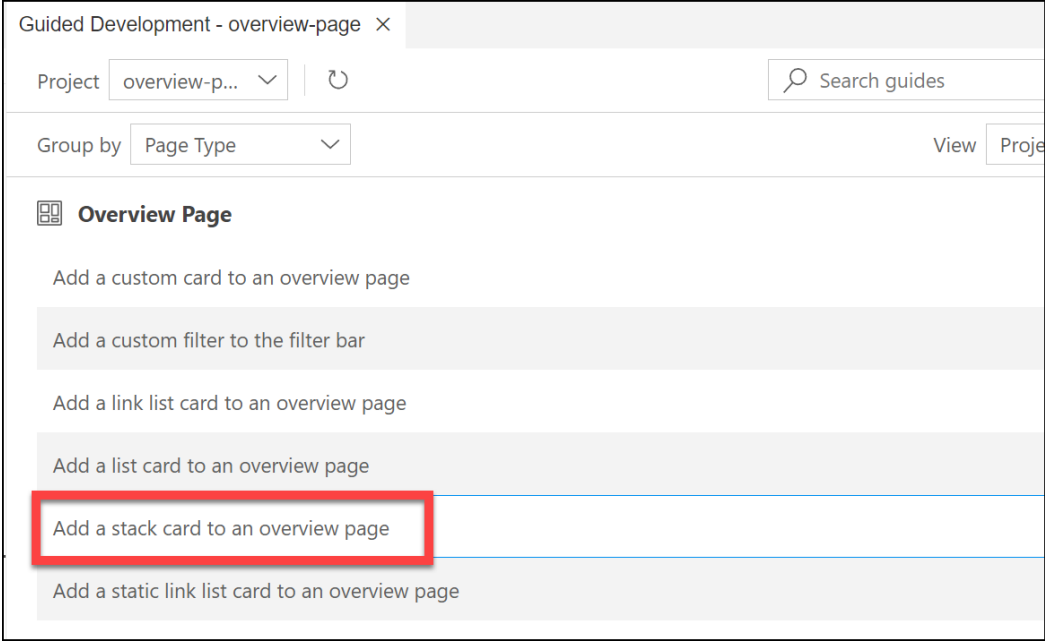
annotate view ZWS##_CDS_OVP with
{

    @UI.facet: [{
        type: #FIELDGROUP_REFERENCE,
        targetQualifier: 'DETAILED',
        isSummary: true
    }]

    @UI.lineItem: [{ position: 10 }]
    @UI.selectionField: [{ position: 10 }]
    SalesOrder;
    @UI.lineItem: [{ position: 20 }]
    SalesOrderItem;
    @UI.lineItem: [{ position: 30 }]
    GrossAmount;
    @UI.fieldGroup:[{position: 10, qualifier: 'DETAILED', label:
'Customer'}]
    CustomerName;
    @UI.fieldGroup:[{position: 20, qualifier: 'DETAILED', label:
'Product'}]
    ProductName;
}

```

- Add **card02\_title=Sales Orders** and **card02\_subtitle=Item** to file *i18n.properties*
- Use *Guided Development* to **Add a stack card to an overview page**



- Start the Guide
- Select *Step 5* and set *Model*, *Entity Set* and *Card ID* under bullet **New Card Parameters**

Name	Value
Model	mainModel
Entity Set	OverviewPage
Card ID	Card02

### Add a stack card to an overview page

About

Step 1

Step 2

Step 3

Step 4

Step 5

#### Enter card settings in the overview page config file

Specify the parameters below and click Insert Snippet to update the page config file. Alternatively, locate and expand the Application Modeler view from the Explorer side bar, search for your project, and open the page config file within the **Pages** folder to make the changes manually.

- New Card Parameters**

Select the **Model** name that you would like to use for the stack card.

Enter a unique **Card ID** that will help you identify the newly created stack in the overview page.

Select the **Entity Set** that you will use in your stack card.

Model

mainModel

Entity Set \*

OverviewPage

Card ID

Card02

- Scroll down to bullet **Stack Card Settings Parameters** and enter following settings:

Name	Value
Title	{{card02_title}}
Subtitle	{{card02_subtitle}}

- Select **Insert Snippet** and *Exit Guide*

• Stack Card Settings Parameters

Enter the **Title** that will be the title of your newly created card.

Enter a **Subtitle** that will be the sub heading of your newly created card.

Enter an **App Authorization** which is used to set authorization check at card level

Enter an **Item Text** which represents the user defined string in placeholder card.

Set **showFirstActionInFooter** boolean property which represents the flag to show first action in footer of the Quickview cards.

Title

Subtitle

{{card02\_title}}

{{card02\_subtitle}}

App Authorization

Item Text

Select an app authorization

Enter an item text

Show Action in Footer

true

• Stack Card Annotation Settings Parameters

Select the **UI.Facets** Annotation Path to visualize the detailed information about the record.

Select the **UI.Identification** Annotation Path for your stack card.

Facet Qualifier

Identification Qualifier

Select a facet qualifier

Select an identification qualifier

Insert Snippet

Copy

Reset

1" sap.ovp": {

2" cards": {

< Back

Next >

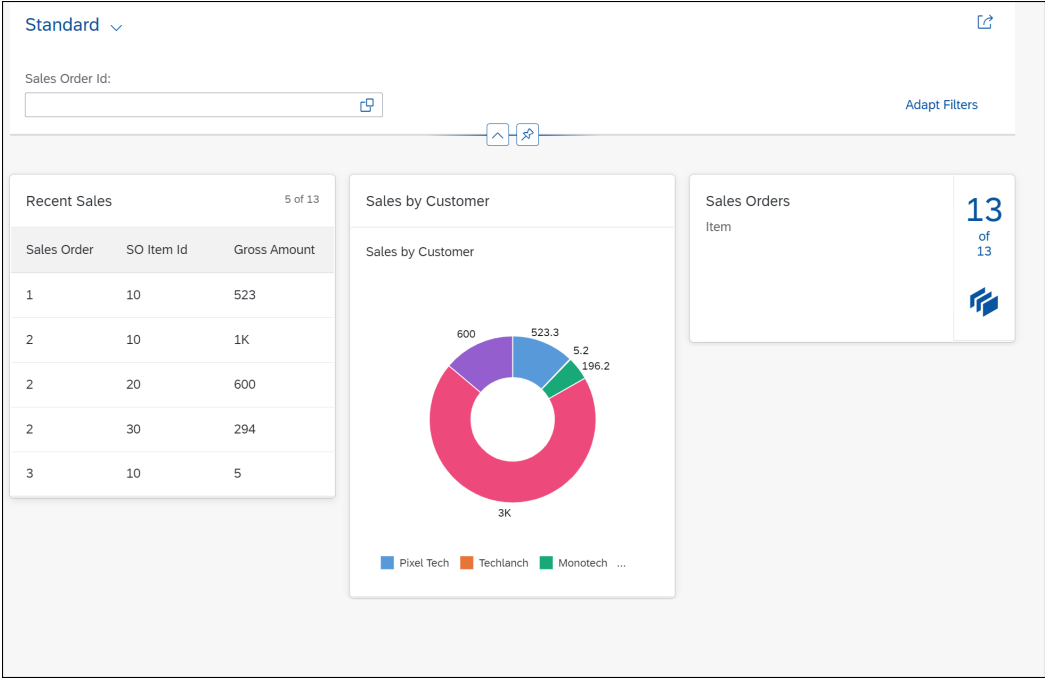
Exit Guide

- OverviewPage.json

```
    },
    "Card02": {
      "model": "mainModel",
      "template": "sap.ovp.cards.stack",
      "stackCardSettings": {
        "title": "{{card02_title}}",
        "entitySet": "OverviewPage",
        "subTitle": "{{card02_subtitle}}",
        "objectStreamCardsSettings": {
          "showFirstActionInFooter": "false"
        }
      }
    }
  },
  "$schema": " / schemas / OverviewPage .json"
```



- Now preview the application



- Click on icon of *Stack Card* to show all **Sales Orders**

