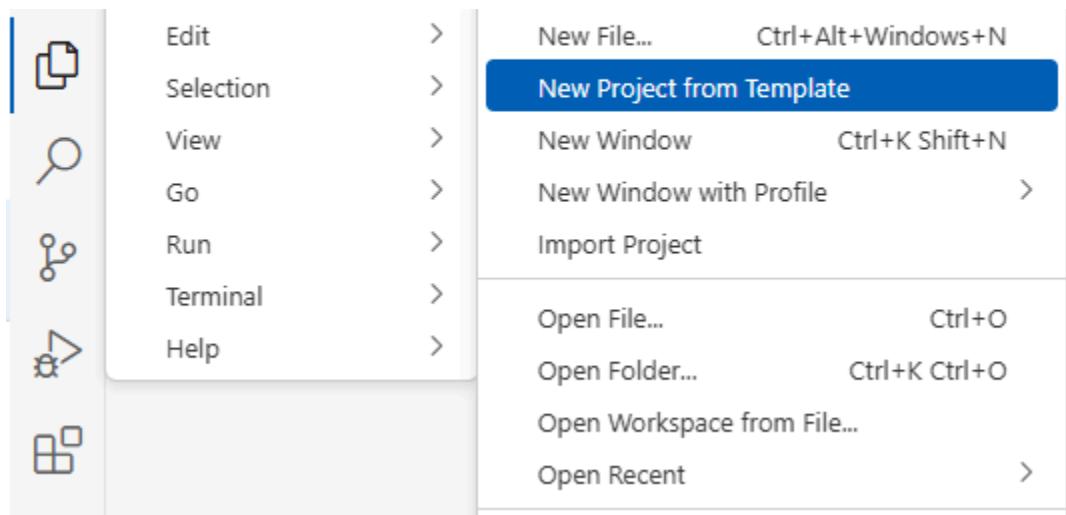


Creación Controles SMART

Ubicado dentro del repositorio clonado del github:



The screenshot shows a 'Project From Template' dialog box. At the top, there is a radio button labeled 'Select Template and Target Location'. Below it, there are two cards: one for 'SAP Fiori generator' and one for 'SAPUI5 generator'. A green arrow points from the 'New Project from Template' option in the previous screenshot to the 'SAP Fiori generator' card. The 'SAP Fiori generator' card has a green border around its title and description. It features a blue icon with a gear and database, a brief description, and a 'More Information' link. The 'SAPUI5 generator' card has a grey border and features a blue icon with three stacked squares, a brief description, and a 'More Information' link.

SAP Fiori generator ⓘ

Select Template and Target Location

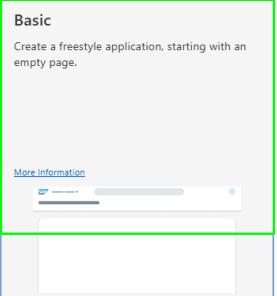
- SAP Fiori generator
- Template Selection**
- Data Source and Service Selection
- Entity Selection
- Project Attributes

Template Selection
Choose your application template.

Which template do you want to use? *

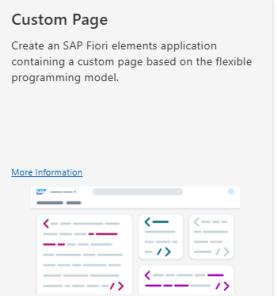
Basic
Create a freestyle application, starting with an empty page.

[More Information](#)



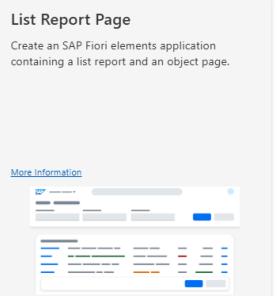
Custom Page
Create an SAP Fiori elements application containing a custom page based on the flexible programming model.

[More Information](#)



List Report Page
Create an SAP Fiori elements application containing a list report and an object page.

[More Information](#)



Project From Template X

SAP Fiori generator ⓘ

Select Template and Target Location

- SAP Fiori generator
- Template Selection**
- Data Source and Service Selection
- Entity Selection
- Project Attributes

Data Source and Service Selection
Configure the data source and select a service.

Data source *

Connect to a System

System ⓘ *

ES5_Gateway

Template Selection

Template: Basic

Data Source and Service Selection

Data Source: Connect to a System

System: ES5_Gateway

Service: ZSEPMRA_PROD_MAN (1) - OData V2

Project From Template X

SAP Fiori generator (i)

Select Template and Target Location

SAP Fiori generator

Template Selection

Template: Basic

Data Source and Service Selection

Data Source: Connect to a System
System: ES5_Gateway
Service: ZSEPMRA_PROD_MAN (1) - OData V2

Entity Selection
View Name: App

Project Attributes

Project From Template X

SAP Fiori generator (i)

Select Template and Target Location

SAP Fiori generator

Template Selection

Template: Basic

Data Source and Service Selection

Data Source: Connect to a System
System: ES5_Gateway
Service: ZSEPMRA_PROD_MAN (1) - OData V2

Entity Selection

View Name: App

Project Attributes

Module Name *

Application title ?

Application namespace ?

Description ?

Project folder path *
 

Minimum SAPUI5 version *

System: ES5_Gateway **Service:** ZSEPMRA_PROD_MAN (1) - OData V2

Entity Selection

View Name: App

Project Attributes

Module Name: smartcontrols
Application Title: App SmartControls
Application Namespace:
Description: An SAP Fiori application.
[More...](#)

Deployment Configuration

Fiori Launchpad Configuration

Enable TypeScript Yes No

Add deployment configuration Yes No

Add FLP configuration Yes No

Configure advanced options [?](#) Yes No

UI5 theme *
Quartz Light

Add Eslint configuration to the project Yes No

Project From Template X

SAP Fiori generator [i](#)

Select Template and Target Location
SAP Fiori generator

Template Selection
Template: Basic

Data Source and Service Selection
Data Source: Connect to a System
System: ES5_Gateway
Service: ZSEPMRA_PROD_MAN (1) - OData V2

Entity Selection
View Name: App

Project Attributes

Module Name: smartcontrols
Application Title: App SmartControls
Application Namespace:
Description: An SAP Fiori application.
[More...](#)

Deployment Configuration
Configure deployment settings

Please choose the target *
Cloud Foundry

Destination name *
ES5_Gateway - https://sapes5.sapdevcenter.com

Add application to managed application router?
 Yes No

Controles Smart

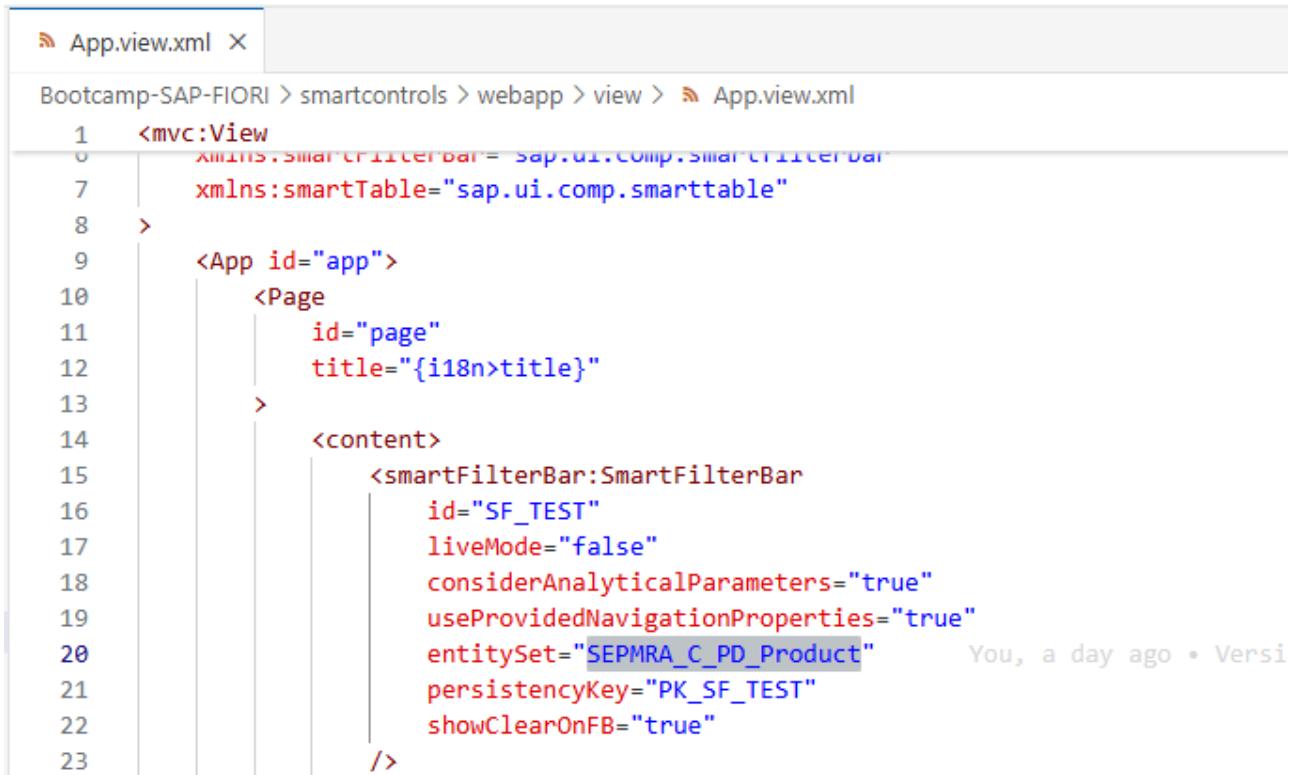
Los **controles Smart** en SAPUI5 son componentes avanzados basados en **OData** que simplifican el desarrollo de aplicaciones al proporcionar funcionalidades automáticas como filtrado, clasificación y paginación sin necesidad de codificación manual.

Se basan en **SmartControls** y **Annotations** en el backend. Algunos ejemplos clave son:

- **SmartTable**: Tabla con funciones automáticas de OData.
- **SmartFilterBar**: Barra de filtros dinámica basada en metadatos.
- **SmartField**: Campo que ajusta su tipo automáticamente según los metadatos.

Estos controles se usan en aplicaciones **SAP Fiori** para mejorar la eficiencia y reducir el esfuerzo de desarrollo.

En la vista App.view.xml se agregan dos controles smart. SmartFilter y SmartTable usando la entidad \SEPMRA_C_PD_Product



```
App.view.xml ×
Bootcamp-SAP-FIORI > smartcontrols > webapp > view > App.view.xml
1  <mvc:View
2    xmlns:smartFilterBar="sap.ui.comp.smartfilterbar"
3    xmlns:smartTable="sap.ui.comp.smarttable"
4  >
5    <App id="app">
6      <Page
7        id="page"
8        title="{i18n>title}"
9      >
10     <content>
11       <smartFilterBar:SmartFilterBar
12         id="SF_TEST"
13         liveMode="false"
14         considerAnalyticalParameters="true"
15         useProvidedNavigationProperties="true"
16         entitySet="SEPMRA_C_PD_Product" You, a day ago • Versi
17         persistencyKey="PK_SF_TEST"
18         showClearOnFB="true"
19       >
20     </content>
21   </Page>
22 </App>
23 </mvc:View>
```

```

App.view.xml <span style="float: right;">80%  
SmartTable
Bootcamp-SAP-FIORI > smartcontrols > webapp > view > App.view.xml
8   >
9     <App id="app">
13    >
14      <content>
15        <smartTable:SmartTable
16          id="ST_TEST"
17          smartFilterId="SF_TEST"
18          fitContainer="true"
19          entitySet="SEPMRA_C_PD_Product"
20          useVariantManagement="true"
21          showTablePersonalisation="true"
22          enableAutoBinding="true"
23          persistencyKey="PK_ST_TEST"
24          tableType="Table"
25          useExportToExcel="true"
26          width="100%"
27          height="650px" You, a day ago • Version 3
28          header="Products"
29          showFullScreenButton="true"
30          beforeRebindTable="onBeforeRebind"
31        />
32      </content>
33    </Page>
34  </App>
35 </mvc:View>

```

Al trabajar con controles Smart este identifica **anotaciones OData**, estas son metadatos utilizados en SAP para definir el comportamiento y la visualización de los datos en **controles Smart** en SAPUI5. Se configuran en el servicio OData en el backend (CDS Views, SEGW) y afectan cómo los datos se presentan en el frontend.

Ejemplos comunes de **anotaciones OData**:

- Anotación para Etiquetas (@UI.label)

`@UI.label: 'Producto'`

Product

La columna se mostrará con el título "**Nombre del Cliente**" automáticamente.

- Anotación para Ocultar Campos (`@UI.hidden`)

`@UI.hidden: true`

Image

Este campo no se mostrará en controles como `SmartTable` o `SmartField`.

- Anotación para Filtrado (`@UI.selectionField`)

`@UI.selectionField`

Category

El campo aparecerá automáticamente como filtro en `SmartFilterBar`.

- Anotación para Formatear Fechas (`@UI.displayFormat`)

`@UI.displayFormat: #Date`

Date

SAPUI5 interpretará este campo como una fecha y lo formateará correctamente.