



PUBLIC

Adapt an SAP app as a key user

Exercise

Version 1.1

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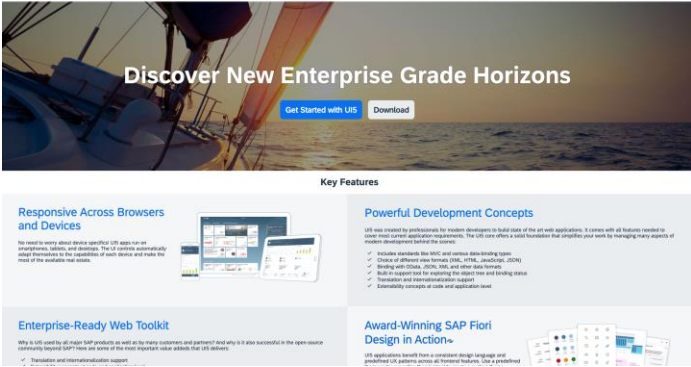
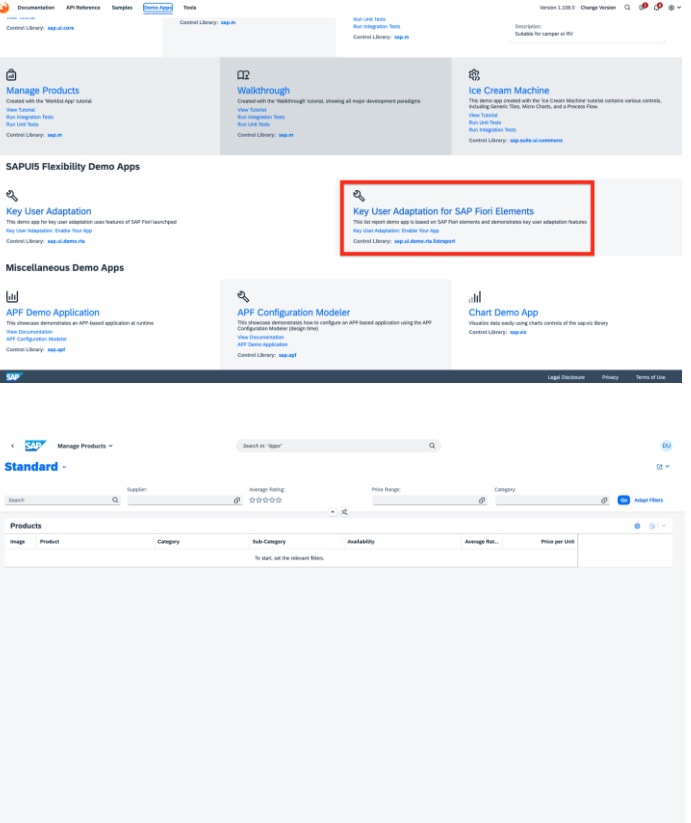
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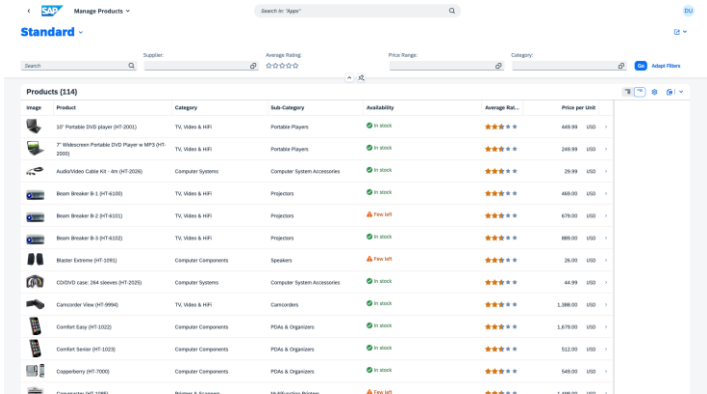
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THE MANAGE PRODUCTS APP

Launching this app shows a standard SAP Fiori app for managing products. As a key user / business expert you know how the end users in your line of business work.

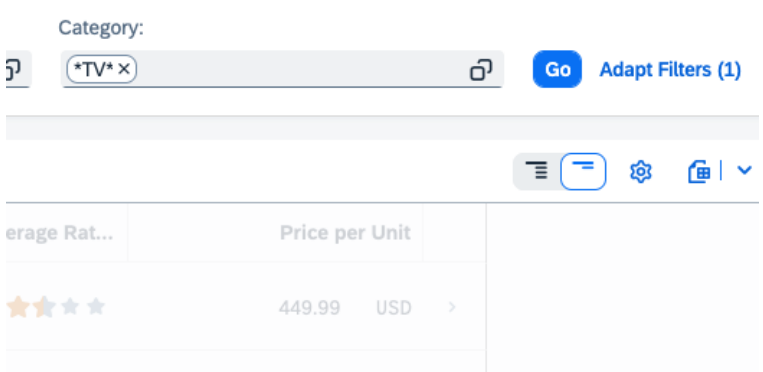
Tutorial step	Screen
<p>Open the SAPUI5 Demo Kit.</p>	
<p>Open the Manage Products app by clicking Demo Apps -> SAPUI5 Flexibility Demo Apps -> Key User Adaptation for SAP Fiori Elements</p>	

Tutorial step	Screen
<p>Click Go to search for products.</p> <p>Select a product to see its details.</p> <p>Go Back to the list of products.</p>	 <p>The screenshot shows the SAP Manage Products interface. At the top, there is a search bar with 'SAP' and 'Manage Products' labels. Below the search bar, there are filters for 'Supplier', 'Average Rating', 'Price Range', and 'Category'. The main content area displays a table of products with 14 items. The table columns are: Image, Product, Category, Sub-Category, Availability, Average Rating, and Price per Unit. The products listed include various electronic items like MP3 players, DVD players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, MP3 players, and MP3 players.</p>

IEWS FOR TVS AND COMPUTERS

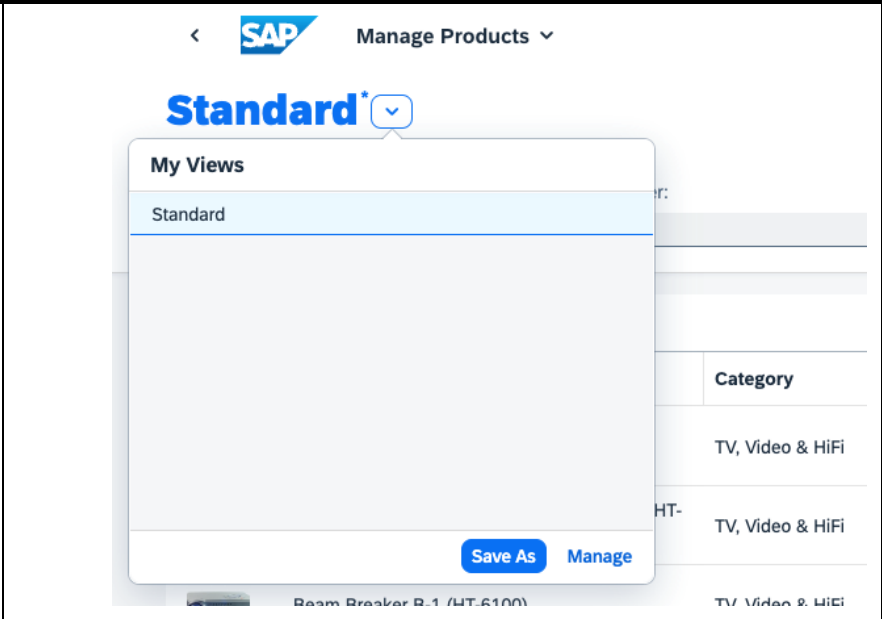
As a key user, you have some technical understanding, but you are not a developer. Nevertheless, you want to tailor this app for many end users in your LoB, so that they can work efficiently.

In your LoB you have two groups of end users, one group is working with TVs, the other group with Computers. You want to provide them an easy way to access the products they need.

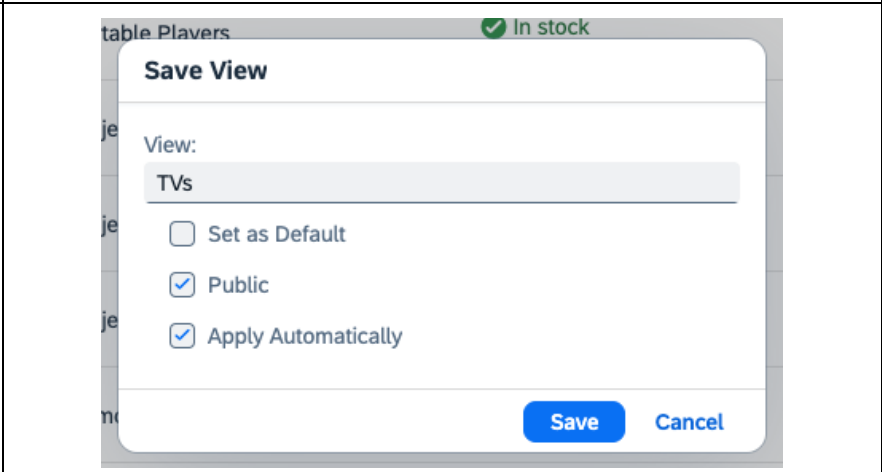
Tutorial step	Screen
<p>Filter for category *TV* and click Go.</p> <p>Note that the product list shows TVs only.</p>	 <p>The screenshot shows the SAP product list interface with a filter applied. At the top, there is a 'Category:' label. Below it, there is a search bar with '*TV*' entered. To the right of the search bar, there is a 'Go' button and a label 'Adapt Filters (1)'. Below the search bar, there is a table with columns for 'Average Rating' and 'Price per Unit'. The table shows a product with an average rating of 4 stars and a price per unit of 449.99 USD.</p>

Tutorial step	Screen
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Save this view as ...



... public view **TVs**, applied automatically.

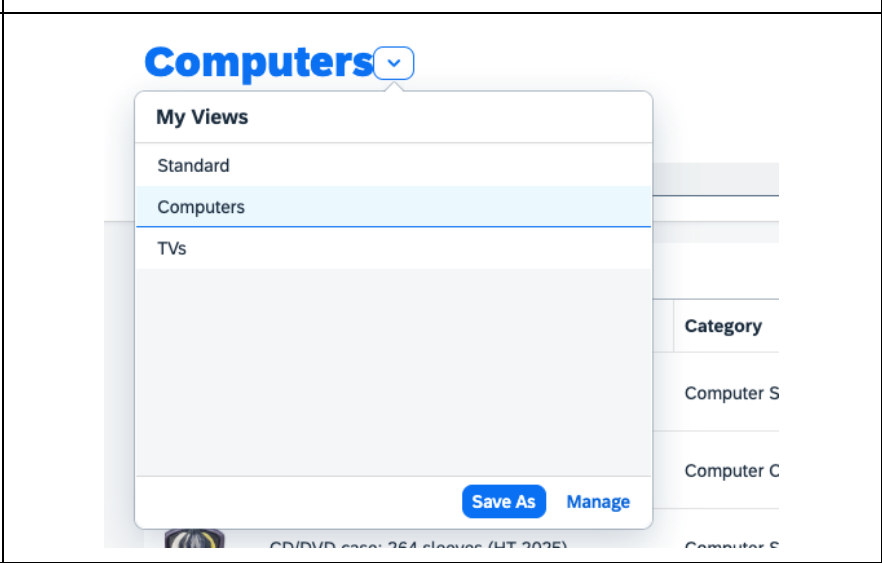


Repeat these steps:

1. Filter for category ***Computer***
2. Save this view as public view **Computers**

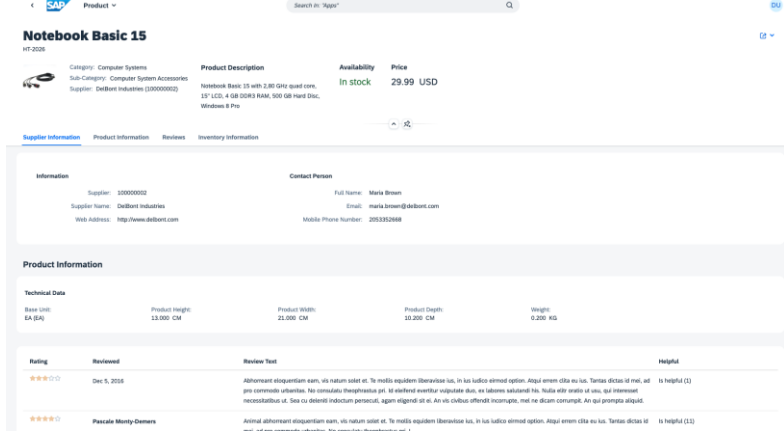
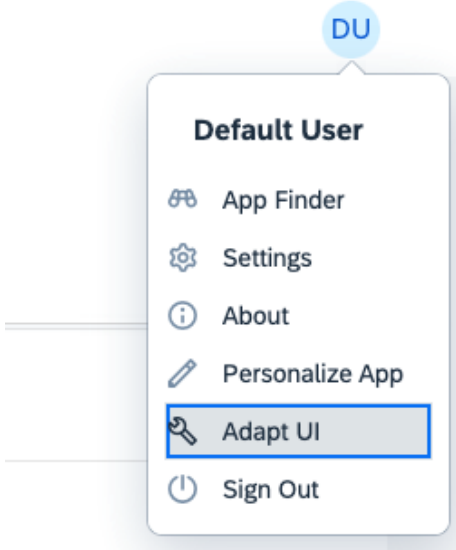
End users will be able to use these predefined views to access the products they need, without any further customization:

- Select view **TVs**
- Select view **Computers**
- Select view **Standard** to see all products



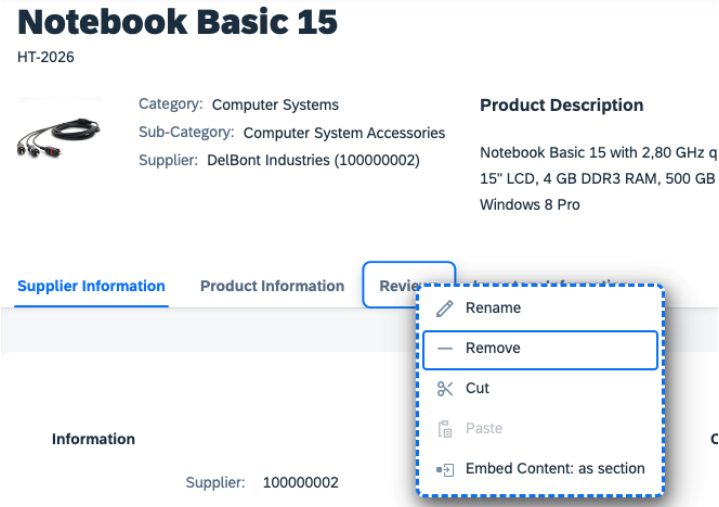
ADAPTING THE PRODUCT DETAIL SCREEN

As a key user you know that the product details screen is not yet perfect for your end users: There's too much information they don't need, and some information is in wrong place. This is not what the end users expect from the Manage Products app.

Tutorial step	Screen
<p>Click on one of the products to navigate to the product detail screen.</p>	 <p>The screenshot shows the SAP Product Detail Screen for 'Notebook Basic 15'. The page is divided into several sections: Product Information (Category: Computer Systems, Sub-Category: Computer System Accessories, Supplier: DellBart Industries), Product Description (Notebook Basic 15 with 2.80 GHz quad core, 15" (39.6 cm) HD-LED Backlit, 500 GB hard drive, Windows 8 Pro), Availability (In stock), and Price (29.99 USD). Below this, there is a 'Supplier Information' section with tabs for Supplier Information, Product Information, Reviews, and Inventory Information. The 'Supplier Information' tab is active, showing details for 'DellBart Industries' and contact information for 'Marka Brown'. A 'Product Information' section follows, displaying technical data such as Base Unit (EA-854), Product Height (22.000 cm), Product Width (22.000 cm), Product Depth (22.000 cm), and Weight (0.200 kg). At the bottom, there is a 'Reviews' section with a table of user reviews, including a review by 'Pascale Monty-Demers'.</p>
<p>Click Adapt UI to start the key user adaptation mode. (This option is available for key users only, defined by a specific authorization.)</p> <p>If needed, confirm the Information dialog.</p>	 <p>The screenshot shows a 'Default User' menu with a blue 'DU' icon at the top. The menu items are: App Finder, Settings, About, Personalize App, Adapt UI (highlighted with a blue border), and Sign Out.</p>

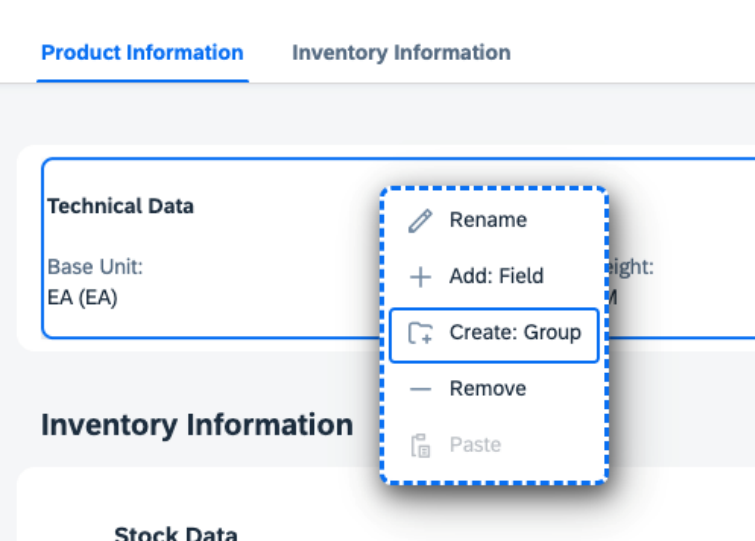
Removing the Reviews section

As the product reviews and supplier information are not relevant for your end users, you remove these sections.

Tutorial step	Screen
<ul style="list-style-type: none">Use the context menu for section Reviews to click RemoveRepeat the same for section Supplier Information	 <p>The screenshot shows the product page for 'Notebook Basic 15' (HT-2026). The page has three tabs: 'Supplier Information', 'Product Information', and 'Reviews'. The 'Reviews' tab is active, and a context menu is open over it, showing options: 'Rename', 'Remove', 'Cut', 'Paste', and 'Embed Content: as section'. The 'Remove' option is highlighted with a blue box. Below the tabs, there is an 'Information' section with 'Supplier: 100000002' and 'Supplier Name: DelBont Industries'.</p>

Adding product details

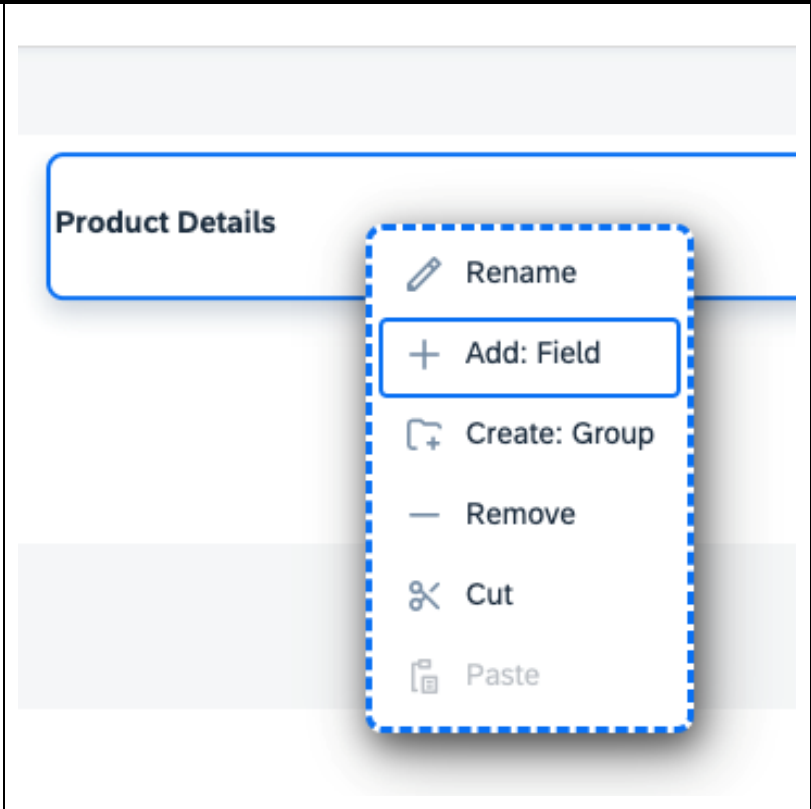
End users need more information directly in the Product Information section.

Tutorial step	Screen
<p>Create a new group in the Product Information section:</p> <ol style="list-style-type: none">Use the context menu within the Technical Data section (note the blue frame)And click Create: Group	 <p>The screenshot shows the 'Product Information' section with two tabs: 'Product Information' and 'Inventory Information'. The 'Product Information' tab is active. A 'Technical Data' section is highlighted with a blue border. A context menu is open over it, showing options: 'Rename', 'Add: Field', 'Create: Group', 'Remove', and 'Paste'. The 'Create: Group' option is highlighted with a blue box. Below the 'Technical Data' section, there is an 'Inventory Information' section with 'Stock Data'.</p>

Tutorial step	Screen
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Name the new group **Product Details** by typing over the default name New: Group.

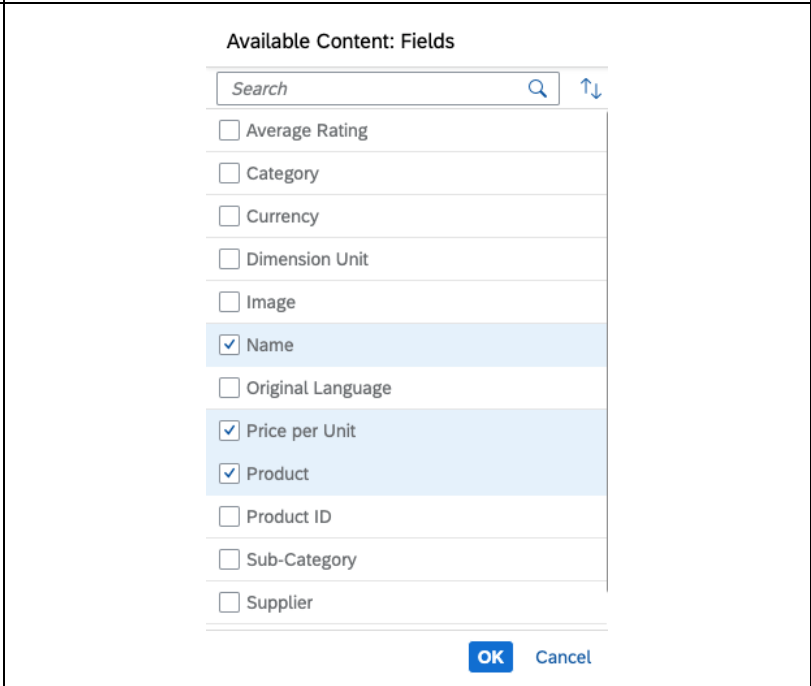
Right click in the new group and select **Add: Field**

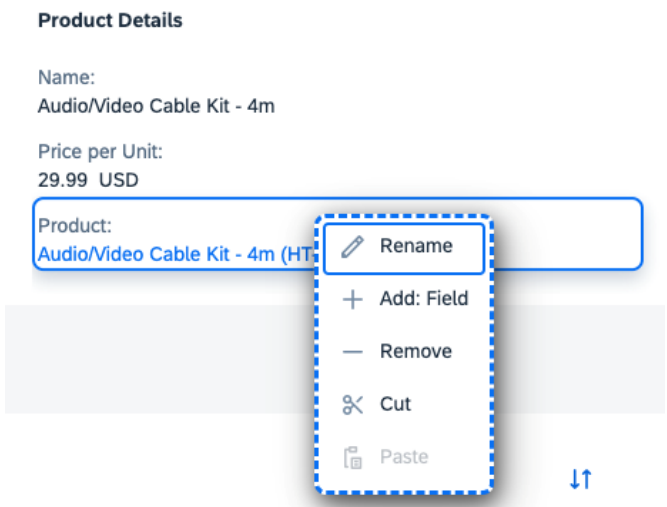

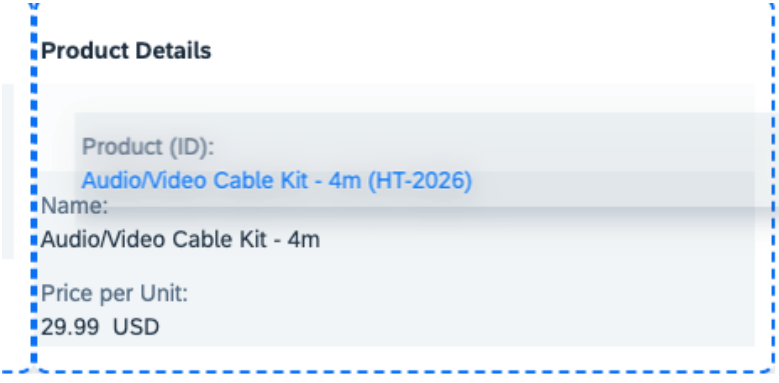
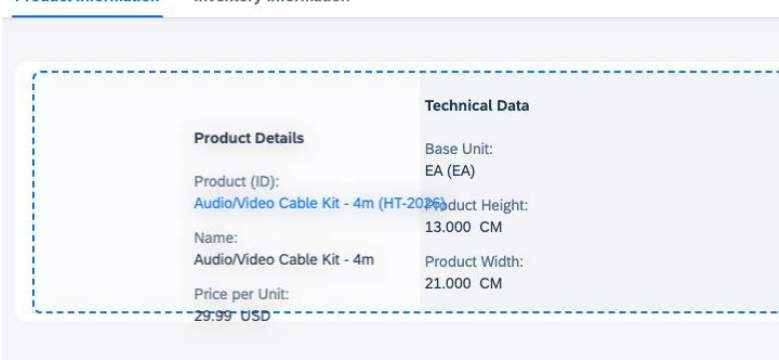


Select fields

- **Name**
- **Price per Unit**
- **Product**

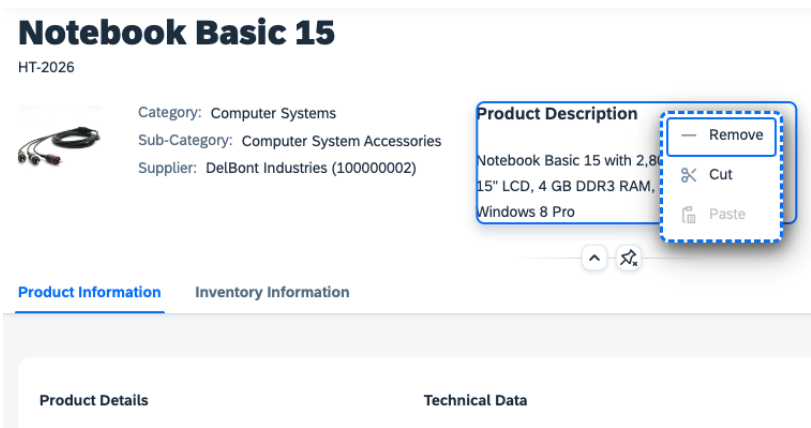
and click **OK**.



Tutorial step	Screen
<p>Change the label of the Product field:</p> <p>On the Product field use the context menu to choose Rename.</p> <p>Note that the fields within the group might be arranged in a different way, depending on your screen size.</p>	 <p>Product Details</p> <p>Name: Audio/Video Cable Kit - 4m</p> <p>Price per Unit: 29.99 USD</p> <p>Product: Audio/Video Cable Kit - 4m (HT-2026)</p>
<p>Add (ID) to the label</p>	 <p>Product Details</p> <p>Name: Audio/Video Cable Kit - 4m</p> <p>Price per Unit: 29.99 USD</p> <p>Product (ID): Audio/Video Cable Kit - 4m (HT-2026)</p>
<p>Use drag&drop to move the Product ID field to the first position within the Product Details group.</p>	 <p>Product Details</p> <p>Product (ID): Audio/Video Cable Kit - 4m (HT-2026)</p> <p>Name: Audio/Video Cable Kit - 4m</p> <p>Price per Unit: 29.99 USD</p>
<p>Drag & drop the Product Details group to be the first group in the Product Information section.</p>	 <p>Product Information Inventory Information</p> <p>Product Details</p> <p>Product (ID): Audio/Video Cable Kit - 4m (HT-2026)</p> <p>Name: Audio/Video Cable Kit - 4m</p> <p>Price per Unit: 29.99 USD</p> <p>Technical Data</p> <p>Base Unit: EA (EA)</p> <p>Product Height: 13.000 CM</p> <p>Product Width: 21.000 CM</p>

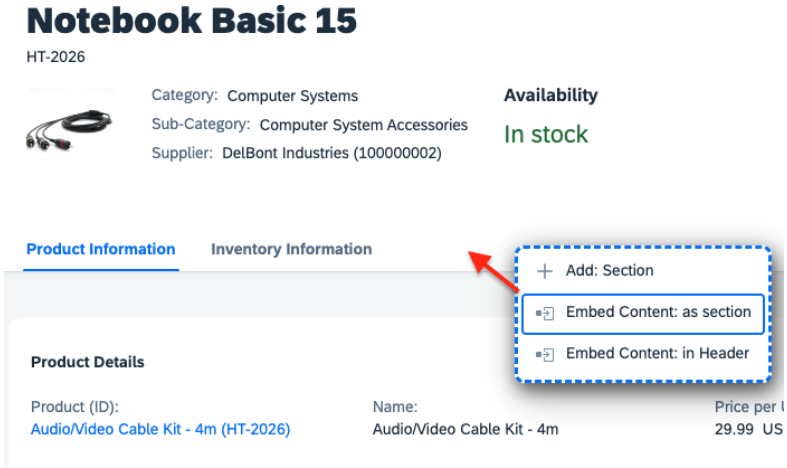
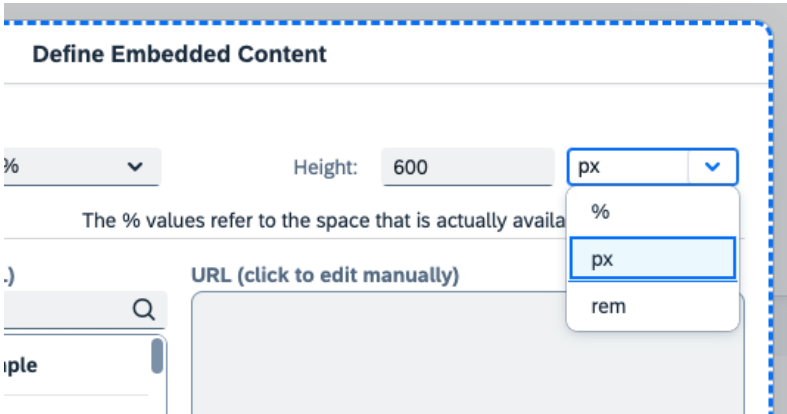
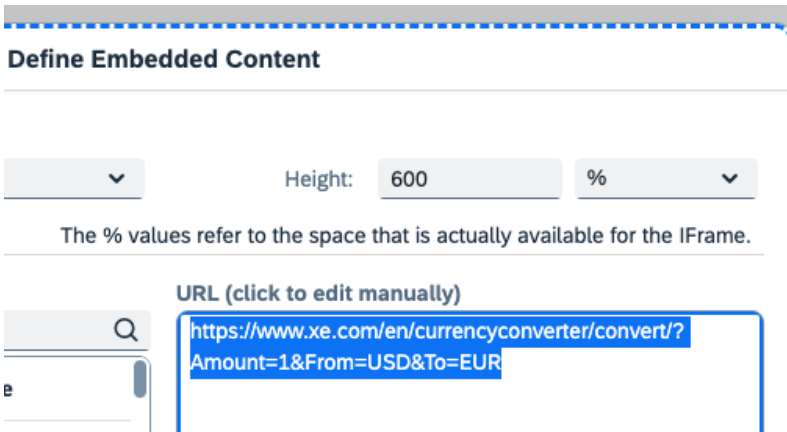
Cleaning up the header

Now all the information relevant for the end users is in the **Product Information** section and you can clean up the header:

Tutorial step	Screen
<p>Remove the groups which are not needed anymore (note the blue frame):</p> <ul style="list-style-type: none">• Product Description• Price	 <p>The screenshot shows a product page for "Notebook Basic 15" (HT-2026). The page includes a product image, category information (Computer Systems, Computer System Accessories), and supplier details (DelBont Industries). A context menu is open over the "Product Description" group, which contains the text "Notebook Basic 15 with 2,80 15" LCD, 4 GB DDR3 RAM, Windows 8 Pro". The menu options are "Remove", "Cut", and "Paste". Below the product information, there are tabs for "Product Information" and "Inventory Information", and a section for "Product Details" and "Technical Data".</p>

Embedding external content: currency converter

Let's assume the end users need some external content to work efficiently: They need to see product price converted to Euro.

Tutorial step	Screen			
<p>Right click the section header line and select Embed Content: as section.</p>	 <p>Notebook Basic 15 HT-2026</p> <p>Category: Computer Systems Sub-Category: Computer System Accessories Supplier: DelBont Industries (100000002)</p> <p>Availability In stock</p> <p>Product Information Inventory Information</p> <p>Product Details</p> <table border="1"> <tr> <td>Product (ID): Audio/Video Cable Kit - 4m (HT-2026)</td> <td>Name: Audio/Video Cable Kit - 4m</td> <td>Price per l 29.99 US</td> </tr> </table>	Product (ID): Audio/Video Cable Kit - 4m (HT-2026)	Name: Audio/Video Cable Kit - 4m	Price per l 29.99 US
Product (ID): Audio/Video Cable Kit - 4m (HT-2026)	Name: Audio/Video Cable Kit - 4m	Price per l 29.99 US		
<p>In the Define Embedded Content dialog, enter Height as 600 px.</p>	 <p>Define Embedded Content</p> <p>% Height: 600 px</p> <p>The % values refer to the space that is actually available</p> <p>URL (click to edit manually)</p>			
<p>Copy&paste this URL into the URL box:</p> <p><code>https://www.xe.com/en/currencyconverter/convert/?Amount=1&From=USD&To=EUR</code></p> <p>(Note the Terms of Use of web site www.XE.com)</p>	 <p>Define Embedded Content</p> <p>Height: 600 %</p> <p>The % values refer to the space that is actually available for the IFrame.</p> <p>URL (click to edit manually)</p> <p><code>https://www.xe.com/en/currencyconverter/convert/?Amount=1&From=USD&To=EUR</code></p>			

Tutorial step	Screen
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To connect the actual product price to the currency converter, select parameters from the **Available Values** list. Once they appear in the URL box, copy&paste the to the right location within the URL:

- Parameter 'Price' replacing '1'
- Parameter 'Currency' replacing 'USD'

so that the URL looks like:

```
https://www.xe.com/en/currencyconverter/convert/?Amount={Price}&From={Currency}&To=EUR
```

Click Save

URL (click to edit manually)

```
https://www.xe.com/en/currencyconverter/convert/?Amount={Price}&From={Currency}&To=EUR
```

You will see a new section **Embedded Content** showing the currency converter, converting the price of the current product.

Rename the **Embedded Content** section to **Price (EUR)**

Notebook Basic 15
HT-2026

Embedded Content | Product Information | Inv

- Rename
- + Add: Section
- Remove

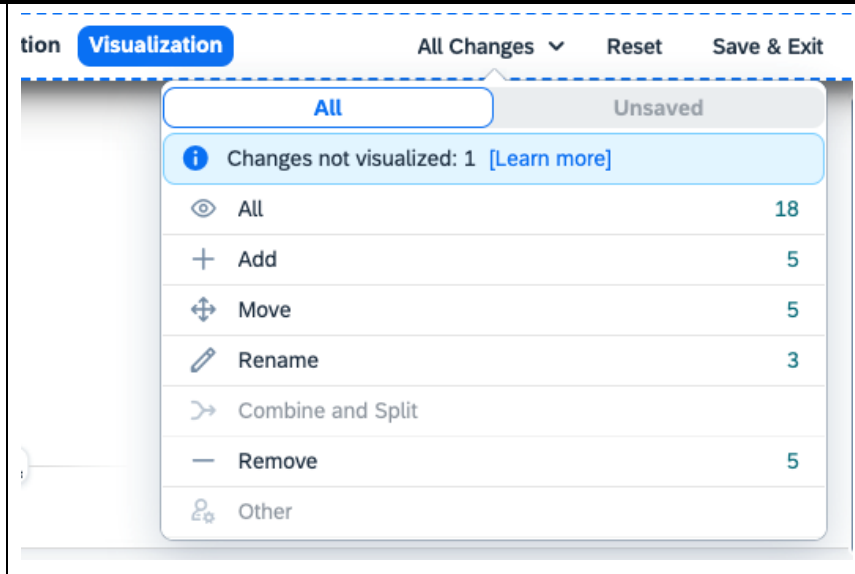
Drag&drop the **Price (EUR)** section to the second position of the three sections.

Notebook Basic 15
HT-2026

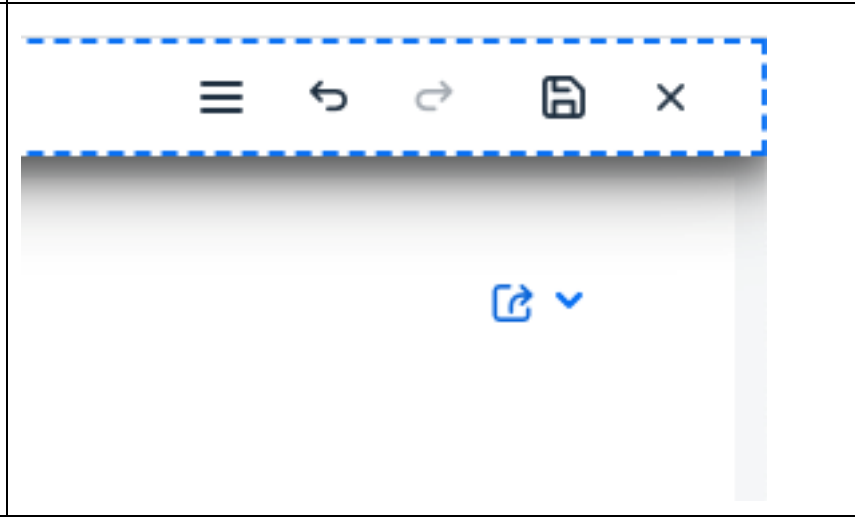
Product Information | **Price (EUR)** | Inventory I

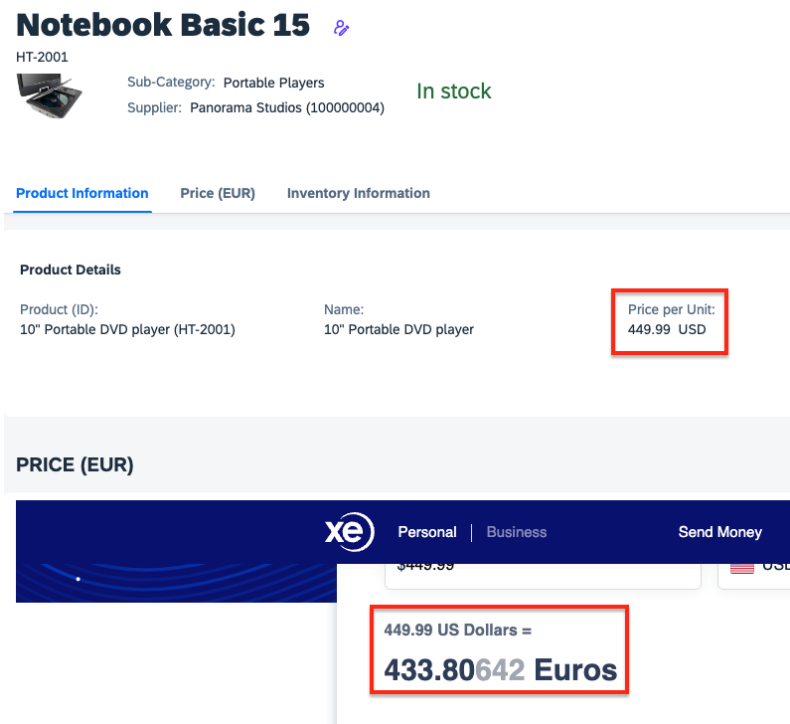
Tutorial step | **Screen**

Use **Visualization** and the **All Changes** filter to get a list of your changes. See the respective blue dots on the screen.



Click **Save & Exit** to leave the key user adaptation mode.



Tutorial step	Screen
<p>Navigate to another product to verify that the currency converter is properly linked to the price parameters.</p>	 <p>The screenshot shows the SAP Fiori interface for a product named 'Notebook Basic 15' (HT-2001). The product is categorized as 'Portable Players' and is currently 'In stock'. The price is listed as 449.99 USD. A currency converter is visible, showing the conversion of 449.99 US Dollars to 433.80642 Euros. The price per unit is also highlighted as 449.99 USD.</p>

SUMMARY

- As a key user you tailored this app to end user's requirements, without the need to involve IT or developers
- Each end user can work efficiently without the need to personalize the app him-/herself.
- Customers or partners can offer such a 'standard' solution with flexibility for key users

In general, SAPUI5 Flexibility is a consistent technology for adaptations

- not only for key users, but also for developers and end users,
- custom changes are handled with a stable lifecycle,
- it works with SAP Fiori elements as well as for SAPUI5 freestyle apps, and
- apps do not need any predefined extension points anymore.