Adapt an SAP Fiori app as a Key User
Exercise

THE BEST RUN SAP

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THE BEST RUN **SAP**

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.
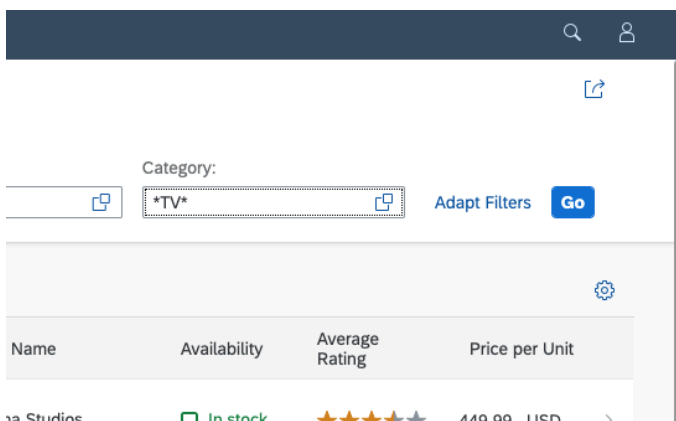
Tutorial step	Screen
Open the SAPUI5 Demo Kit with this link.	
Open the **Manage Products** app by clicking Demo Apps -> SAPUI5 Flexibility Demo Apps -> Key User Adaptation for SAP Fiori Elements	
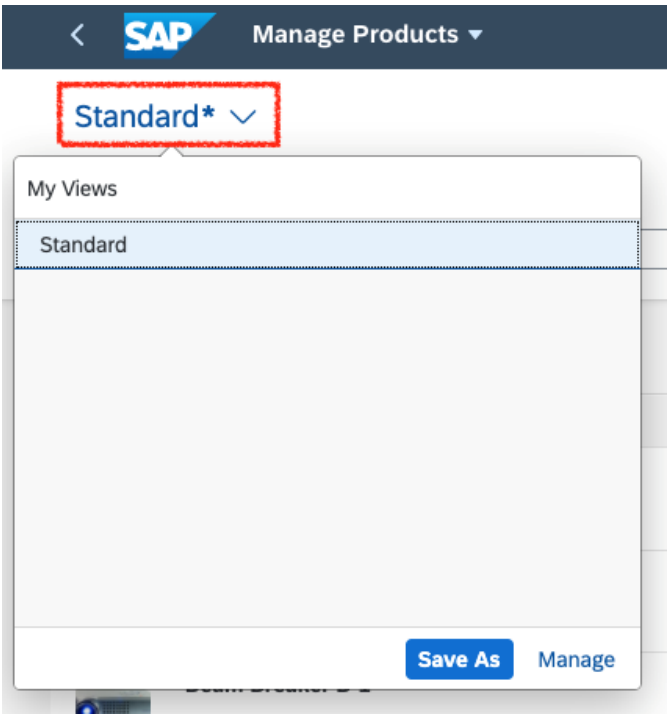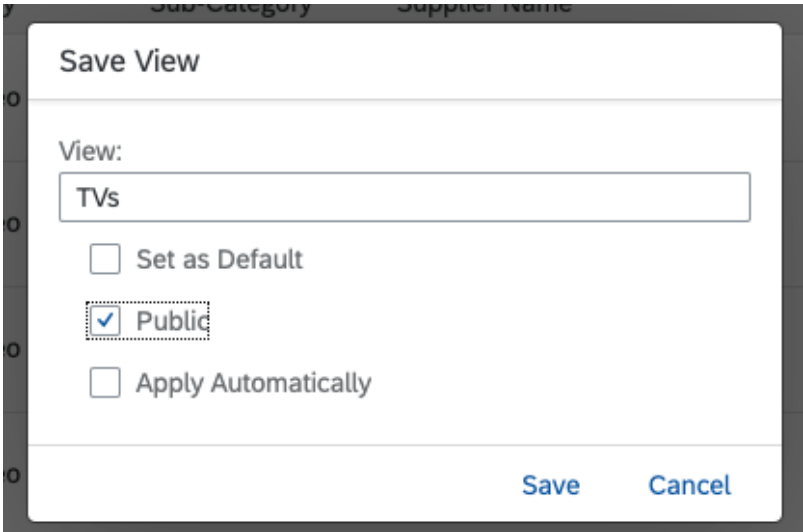
Tutorial step	Screen
Click **Go** to search for products. Select a product to see its details. Go **Back** to the list of products.	
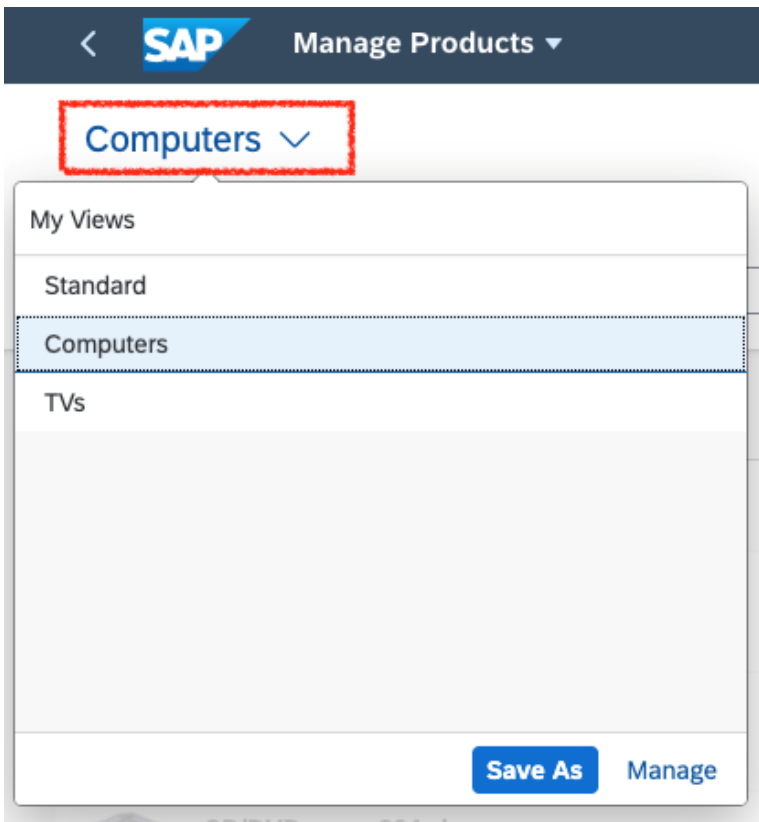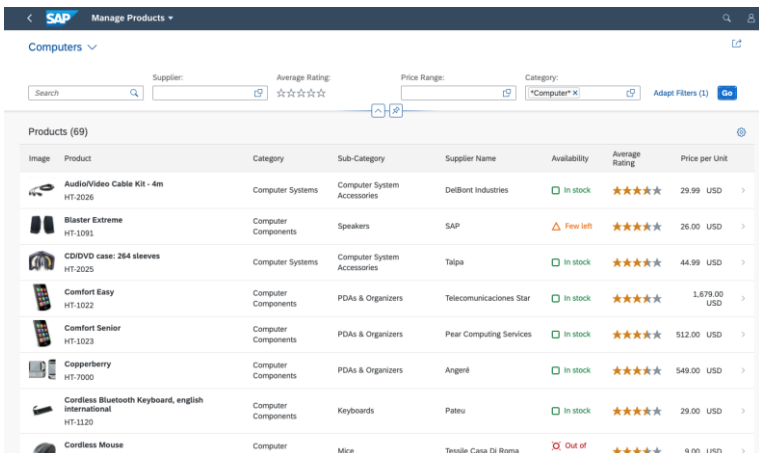
VIEWS FOR TVS AND COMPUTERS

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.

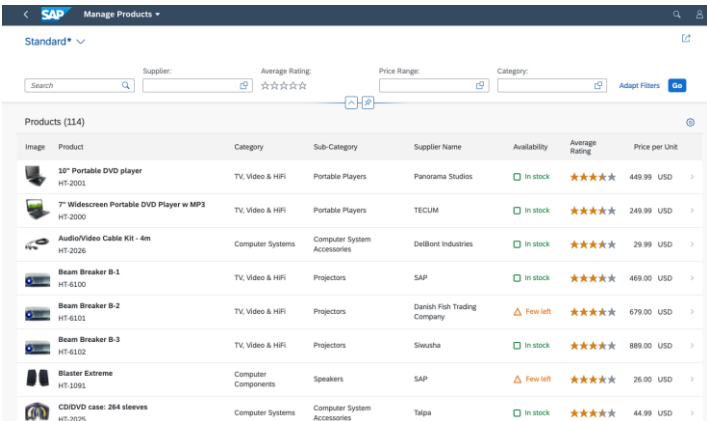In your LoB you have two groups of end users, one group is working with TVs, the other group with Computers. You want to provide them an easy way to access the products they need.
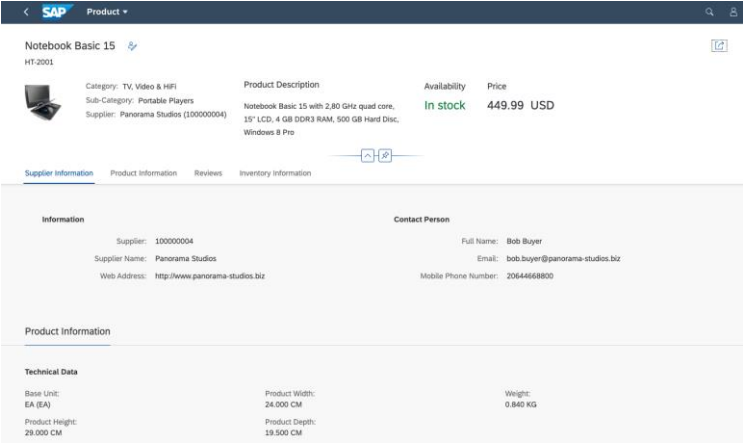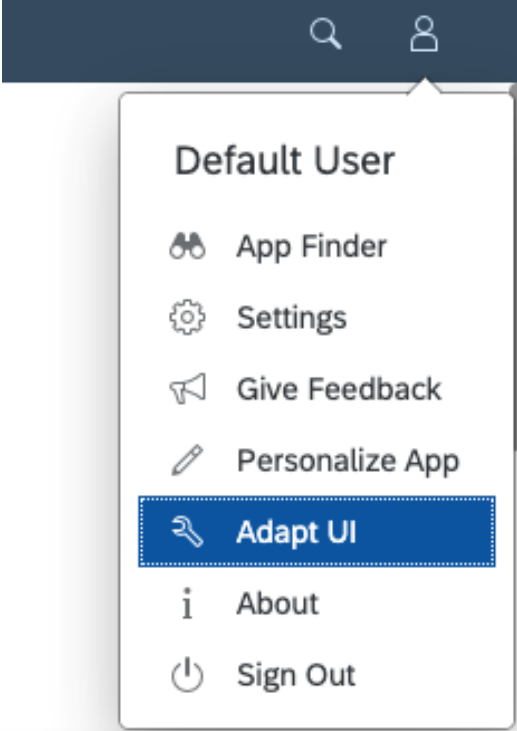
Tutorial step	Screen
Filter for category ***TV*** and click **Go.** Note that the product list shows TVs only.	

Tutorial step	Screen
Save this view as ...	
... public view **TVs**.	

Tutorial step	Screen
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** and click **Go** • Select view **Computers** and click **Go** • Select view **Standard** and click **Go** 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
Click on one of the products to navigate to the product detail screen.	
Click 'Adapt UI' to start the key user adaptation mode. (This option is available for key users only, defined by a specific authorization.) If needed, confirm the Information dialog.	
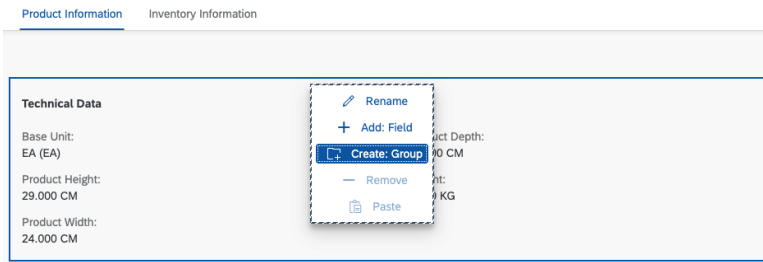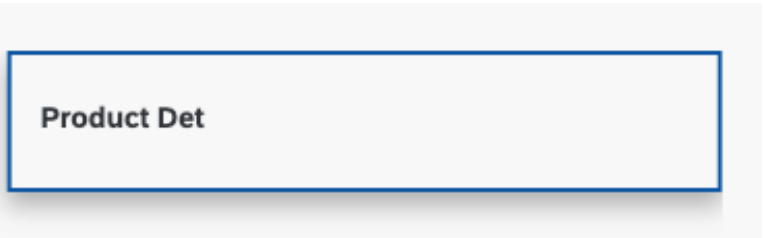
Removing the Reviews section
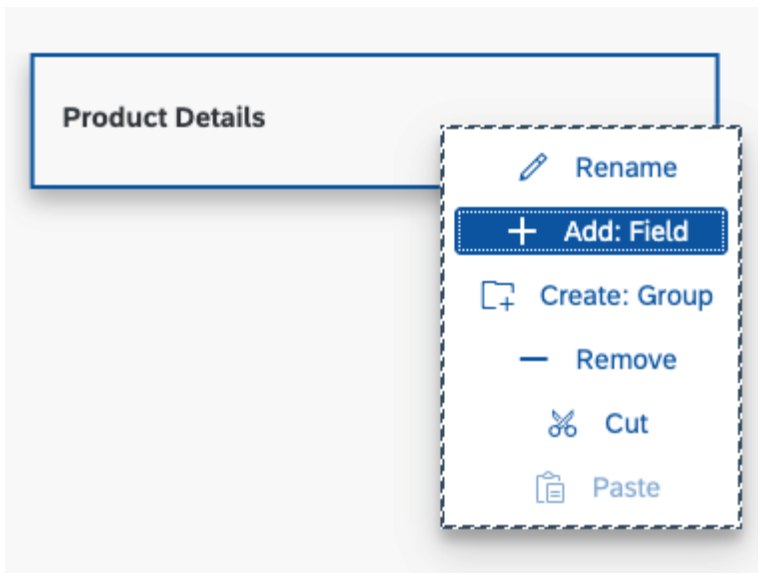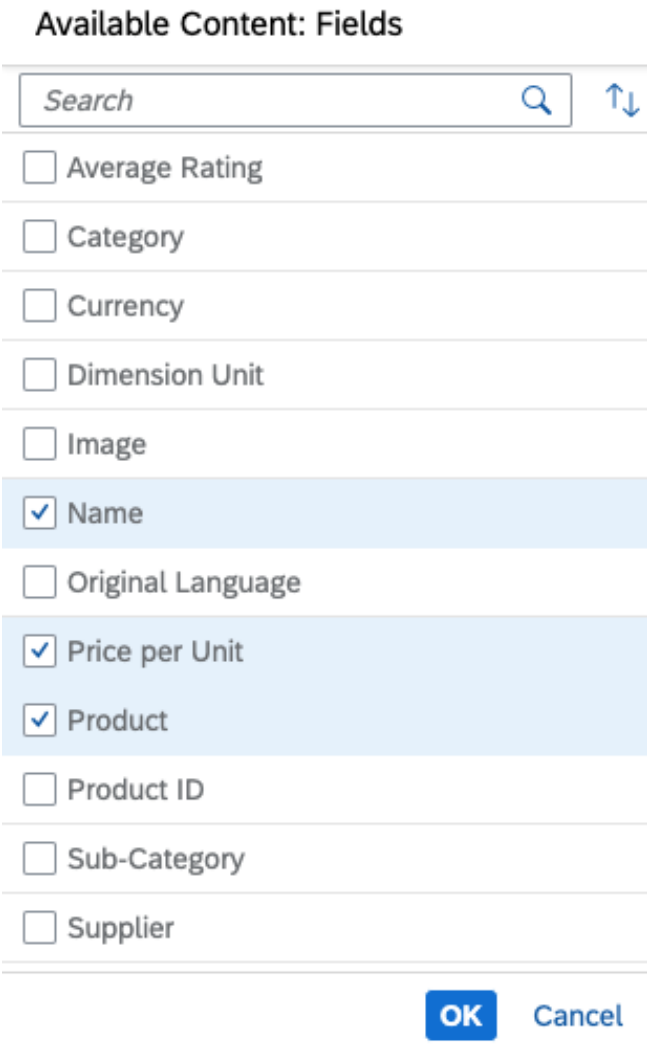
As the product reviews and supplier information are not relevant for your end users, you remove these sections
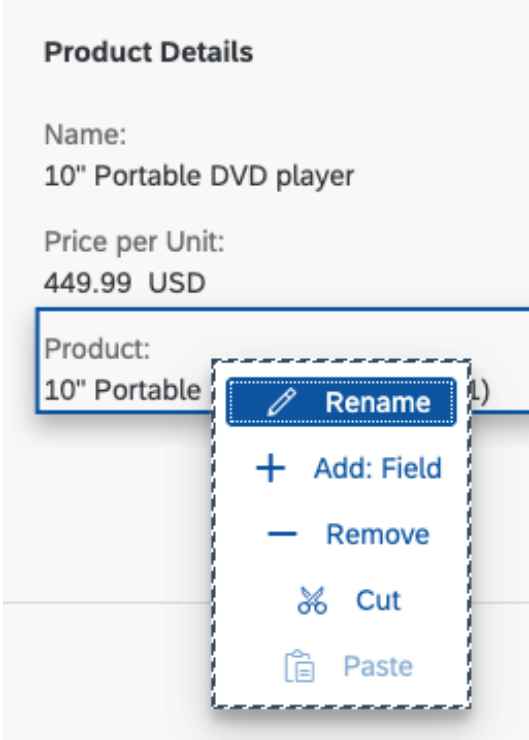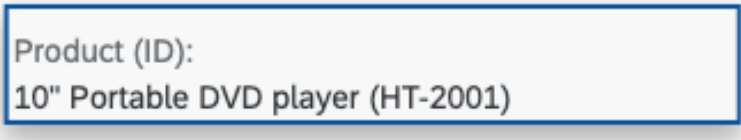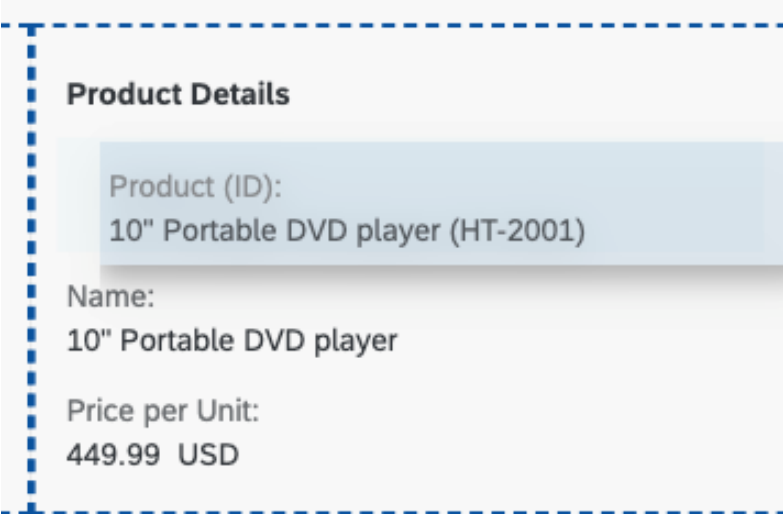
Tutorial step	Screen
• Use the context menu for section **Reviews** to click **Remove** • Repeat the same for section **Supplier Information**	Sub-Category: Portable Players Supplier: Panorama Studios (100000004) Notebook Basic 15 with 2,80 15" LCD, 4 GB DDR3 RAM, ! Windows 8 Pro Supplier Information Product Information Reviews Inventory Information ✏ Rename — Remove ✂ Cut 📋 Paste ↪ Embed Content to: Section Information Supplier: 100000004 Supplier Name: Panorama Studios Web Address: http://www.panorama-studios.biz

Adding product details

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

Tutorial step	Screen
Create a new group in the **Product Information** section: 1. Use the context menu within the **Technical Data** section (note the blue frame) 2. And click Create Group	Product Information Inventory Information Technical Data Base Unit: EA (EA) Product Height: 29.000 CM Product Width: 24.000 CM ✏ Rename + Add: Field Create: Group — Remove 📋 Paste
Name the new group **Product Details** by typing over the default name **New: Group**	**Product Det**
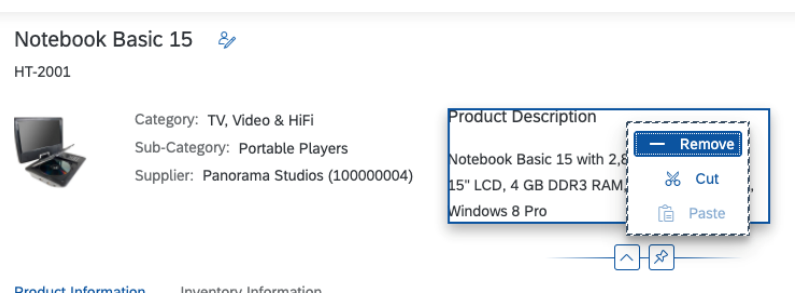
Tutorial step	Screen
Right click on the new group and select **Add: Field**	
Select fields • **Name** • **Price per Unit** • **Product** and click **OK**.	

Tutorial step	Screen
Change the label of the Product field: On the **Product** field use the context menu to choose **Rename**. Note that the field arrangement might look different on your screen: SAPUI5 automatically positions the fields to fit various screen sizes. This way the same app can be used on desktop and mobile screens.	**Product Details** Name: 10" Portable DVD player Price per Unit: 449.99 USD Product: 10" Portable ... L) ✎ Rename + Add: Field — Remove ✂ Cut 📋 Paste
Add **(ID)** to the label	Product (ID): 10" Portable DVD player (HT-2001)
Use drag&drop to move the **Product ID** field to the first position within the **Product Details** group.	**Product Details** Product (ID): 10" Portable DVD player (HT-2001) Name: 10" Portable DVD player Price per Unit: 449.99 USD

Tutorial step	Screen
Drag & drop the **Product Details** group to be the first group in the **Product Information** section.	

Cleaning up the header
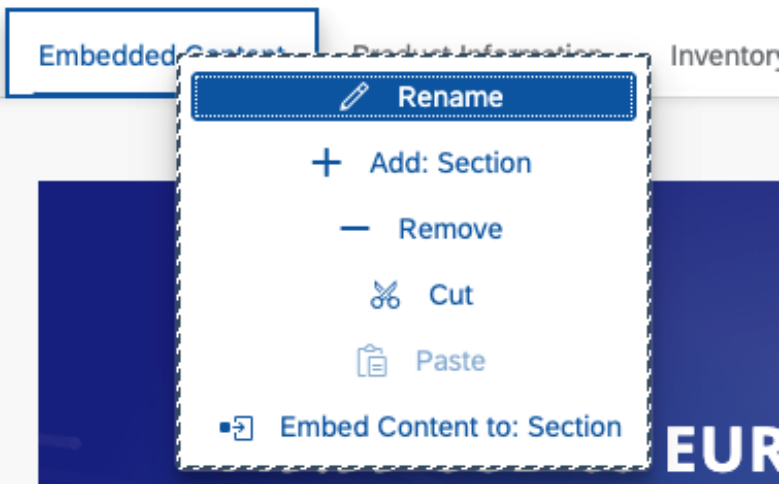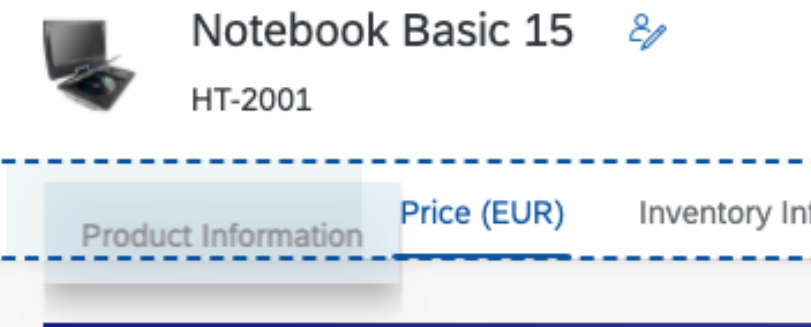
Now all the information relevant for the end users is in the **Product Information** section and you can clean up the header to simplify to the app:
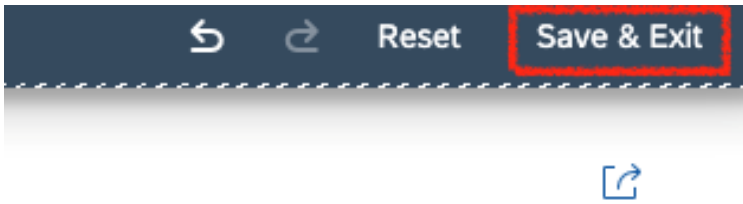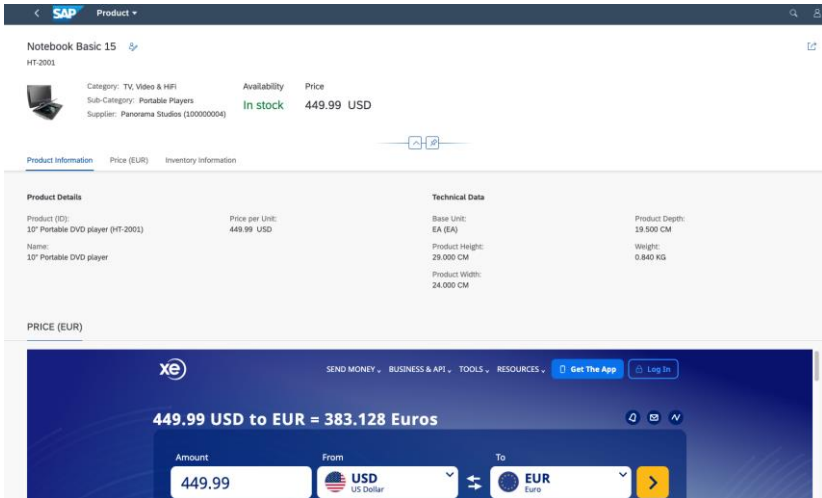
Tutorial step	Screen

Remove the groups which are not needed:
 	
   •   **Product Description**
   • **Price**	

Embedding external content: currency converter

Let's assume the end users need some external content to work efficiently: They need a simple way to convert the product price to Euro.

Tutorial step	Screen
Right click the section header line (e.g., next to 'Inventory Information') and select **Embed Content: as section**.	
In the **Define Embedded Content** dialog, enter Height as **600 px**.	
Copy&paste this URL into the URL box: `https://www.xe.com/en/currencyconverter/convert/?Amount=1&From=USD&To=EUR` (Note the Terms of Use of web site www.XE.com)	

Tutorial step	Screen
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)**	Category: TV, Video & HiFi Sub-Category: Portable Players Supplier: Panorama Studios (10000000 Embedded Content Product Information Inventory ✎ Rename + Add: Section — Remove ✂ Cut 📋 Paste ▪⤷ Embed Content to: Section EUR
Drag&drop the **Product Information** section to the second position of the three sections.	Notebook Basic 15 ✐ HT-2001 Product Information Price (EUR) Inventory Inf

Tutorial step	Screen
Click **Save & Exit** to leave the key user adaptation mode.	
Navigate to another product to verify that the currency converter is properly linked to the price parameter.	

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

- original apps do not need any predefined extension points anymore.