

Unleash the power of SAP Fiori elements for SAPUI5 freestyle apps

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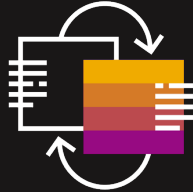


SAP Fiori Elements

boost your SAPUI5 development efficiency



**Developer
Productivity**



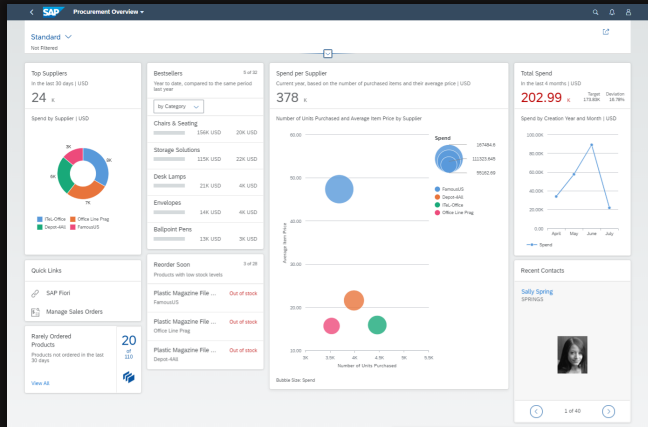
**UX
Consistency**



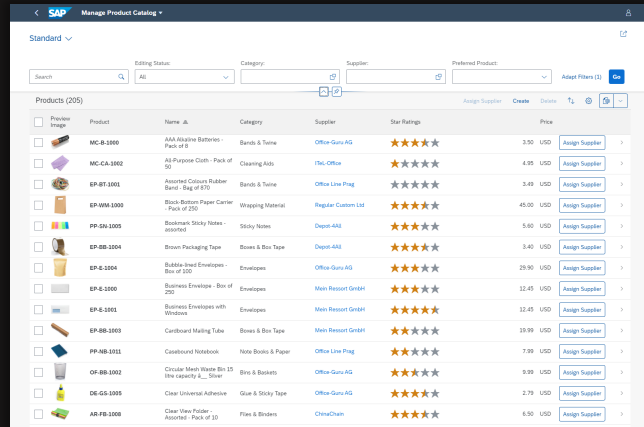
**Enterprise
Readiness**

SAP Fiori Elements

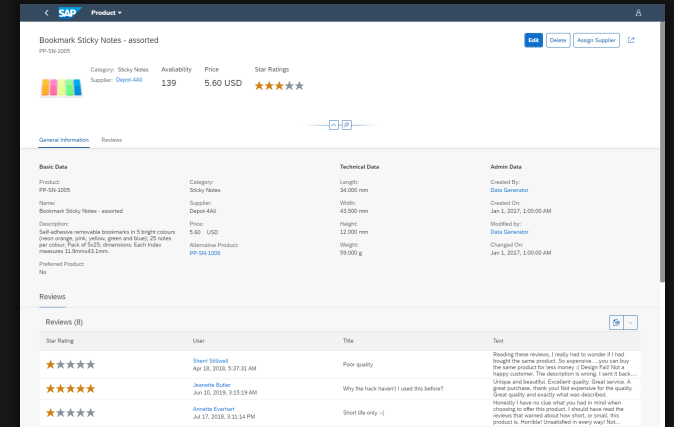
provides enterprise-ready apps out of the box



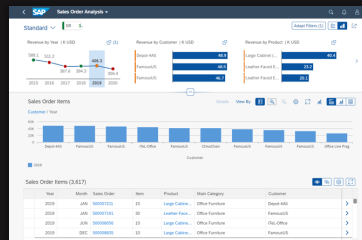
Overview page



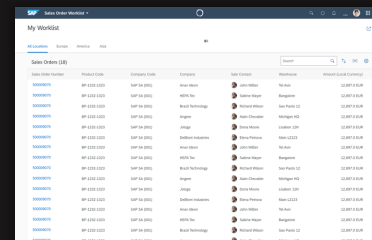
List report page



Object page



Analytical list page



Worklist page

SAP Fiori Elements

is driven by OData services and annotations

Consumption hints

“This image allows to identify the entity”

Semantics

“These fields shall be displayed together in a form”

Visitor Chair - Green
OF-CS-1002

Category: Chairs & Seating
Supplier: FamousUS

Availability: 2

Price: 122.00 USD

Star Ratings: ★★★★★

[Edit](#) [Delete](#) [Assign Supplier](#)

[General Information](#) [Reviews](#)

Basic Data

Product: OF-CS-1002
Name: Visitor Chair - Green
Description: Contemporary, eye-appealing visitor chair; Seat in vibrant colours on an attractive light-weight wood and metal base; Tough, hard wearing nylon seat structure means that the chair is easy to clean; Ideal visitor and breakout chair; These chairs are stackable and come in a pack of 4; Stylish, practical and comfortable.
Preferred Product: Yes

Category: Chairs & Seating
Supplier: FamousUS
Price: 122.00 USD
Alternative Product: [OF-CS-1003](#)

Technical Data

Length: 0.450 m
Width: 0.550 m
Height: 0.550 m
Weight: 4.500 kg

Admin Data

Created By: [Data Generator](#)
Created On: Jan 1, 2017, 1:00:00 AM
Modified by: [hans-juergen.richstein@sap.com](#)
Changed On: Aug 12, 2020, 6:38:26 PM

Reviews

Reviews (10)

Star Rating	User	Title	Text
★★★★★	Kelley Gaspard Jul 23, 2018, 11:51:53 AM	Not sure yet	Go for it, not really bad at all. Works as advertised.
★★★★★	Howard Vega Dec 31, 2017, 11:38:03 PM	As Advertised	Go for it, not really bad at all. Would buy a better quality next time. Adorable, but expensive.
★★★★★	Felecia Merchant Jul 24, 2019, 12:49:46 PM	Almost perfect	Lower quality than expected. Does not look the same as the picture provided...which was disappointing, but ok. Product functions as advertised. Nothing special to mention on this one.

Behavior

“This entity can be edited”

Semantics

“This is the currency for the amount”

Semantics

“This is an email address”

SAP Fiori Elements

allows adaptations using the Flexible Programming Model

The screenshot displays the SAP Fiori Elements 'My Incidents' application interface, demonstrating the Flexible Programming Model (FPM) layout.

Left Panel (Incidents List): Features a search bar, filters for Incident Status and Priority, and a list of 12 incidents. Each incident entry includes an identifier and a bar chart representing 'MPT Days Spent'.

Right Panel (Incident Details): Displays details for the incident 'Office phone gives echoes' (Identifier: inc_0011). It includes a 'Maximum Processing Time' bar chart and a 'Maximum Processing Time' table.

Table: Maximum Processing Time

Process Step	January 2022 16.1.	February 2022 30.1.	13.2.	27.2.	March 2022 13.3.
Incident Reporting	[Bar chart showing duration]				
Incident Record Review	[Bar chart showing duration]				
Incident Investigation	[Bar chart showing duration]				
Incident Report Generation	[Bar chart showing duration]				

Bottom Panel (Incident Process Flow): Shows a timeline of the incident process steps, including Incident Reporting, Incident Record Review, Incident Investigation, and Incident Report Generation, with their respective start and end dates.

Incident Reporting Process Flow Diagram: A visual representation of the incident reporting process, showing steps like Incident Reporting, Incident Record Review, Incident Investigation, and Incident Report Generation, with status indicators (checkmarks and X's) for each step.

SAP Fiori Elements

allows adaptations using the Flexible Programming Model

Custom header facet

Building block

Custom column

Flexible column layout

Custom section

Custom page

The screenshot displays the 'My Incidents' app interface with several customizations highlighted by orange boxes and arrows:

- Custom header facet:** A box highlights the 'MPT Days Spent' header facet in the incident details section.
- Building block:** An arrow points to the 'Incident Reporting' building block in the right-hand pane.
- Custom column:** A box highlights a custom column 'MPT Days Spent' in the incident list table.
- Flexible column layout:** An arrow points to the vertical bar on the right side of the incident list table, indicating the flexible column layout.
- Custom section:** A box highlights the 'Maximum Processing Time' section, which contains a Gantt chart showing process steps over time.
- Custom page:** A box highlights the entire right-hand pane, which is a custom page containing the 'Incident Reporting' building block.

SAP Fiori Elements



But what if the standard floorplans do not fit?

SAP Fiori Elements



But what if the standard floorplans do not fit?

→ SAPUI5 freestyle with SAP Fiori elements

SAP Fiori Elements

with SAPUI5 freestyle applications

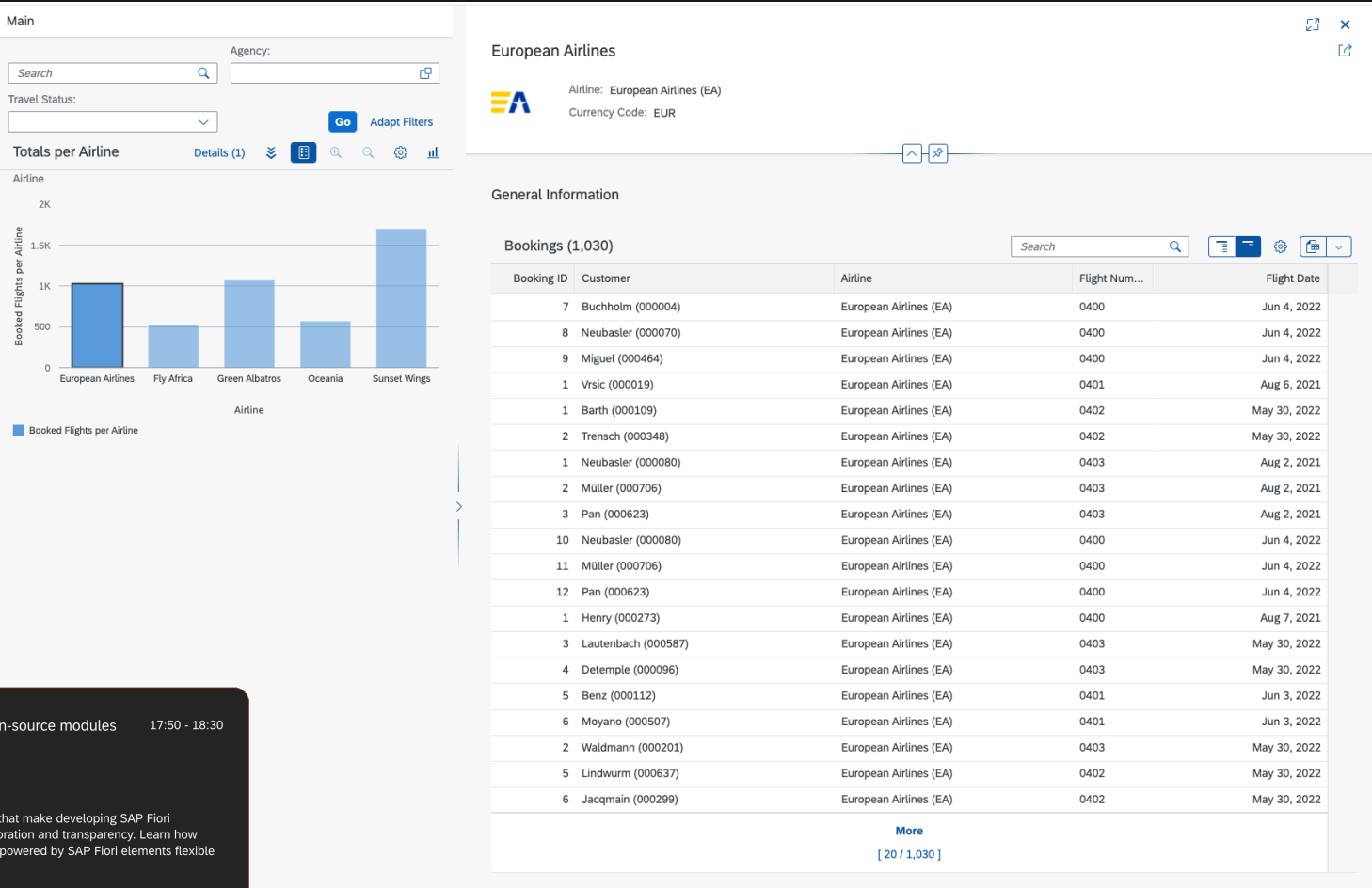
No commitment to any specific floorplans

- Start with any SAPUI5 freestyle application
- Apply minimal configuration changes
- Instantly profit from SAP Fiori Elements capabilities
- Grow as you go



SAP Fiori Elements

grow as you go



Building SAP Fiori apps with flexible open-source modules

17:50 - 18:30

Ashley Tung
SAP

Tobias Queck
SAP

The Open UX tools project aims to provide open-source modules that make developing SAP Fiori applications more efficient and flexible through community collaboration and transparency. Learn how these modules offer full flexibility for developers to create an app powered by SAP Fiori elements flexible programming model with the convenience of the SAP Fiori tools.

Add to calendar

Demo

Flexible Programming Model Explorer

Find it on ui5.sap.com

UI5con HYBRID

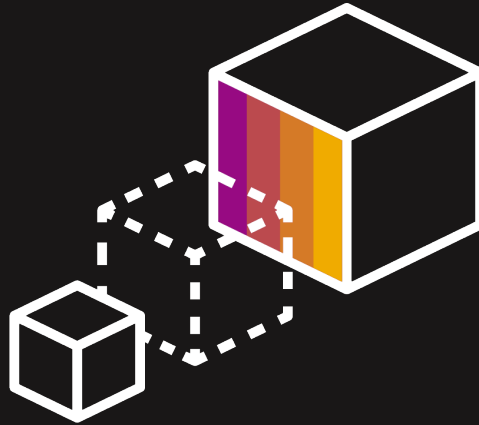
SAP Fiori Elements

three things to remember

1. SAP Fiori elements supports SAPUI5
freestyle development
without committing



2. Start small
Grow as you go



3. Community is key
We need you!



Solution Overview

Omnichannel E-Commerce

Find it on btp.udina.de



UI5con HYBRID[®]

SAP Fiori

Placeholder Loading (beta)

Usage of the SAP Fiori Design Guidelines implementation of Placeholder Loading

Under the hood, it uses the `sap.fe.placeholder` library.

[Read more in detail...](#)



Building Block

FormElement usage examples

Root Context

- `<fe:FormElement id="ShipToParty" metaPath="ShipToParty" visible="{= !!${path: 'ShipToParty_FC', targetType: 'any'}}"/>`

Table (Aggregation) Context

```
<fe:FormElement id="CartItem:CostCenter" metaPath="CostCenter"
  contextPath="to_Items"
  visible="{= !!${path: 'CostCenter_FC', targetType: 'any'}}"/>
```

Key Takeaways

Lessons Learned

Flexible Programming Model (FPM)

- Using **Building Blocks** greatly simplifies the implementation of **Value Helps** and depending **Side Effects**.
- Substitutes the need of **sap.ui.mdc** (not released yet) while supporting annotation driven design.

SAPUI5

- Using the **oData** v4 model is more different from v2 than expected (learning curve).

CAP2RAP Prototyping

- Speeds up agile development by leveraging service and UX development to a Full-Stack JS Developer (also for CRs and POCs).
- CDS can be used as implementation blueprint for the ABAP developer.

Outlook

- Implementing additional design patterns together with SAP, eg. **Filter Bar**.

Thank you!

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