



# Agenda

## What's next for SAP Fiori

- new Horizon visual theme for SAP Fiori
- new design culture and processes

## SAP S/4HANA Cloud updates

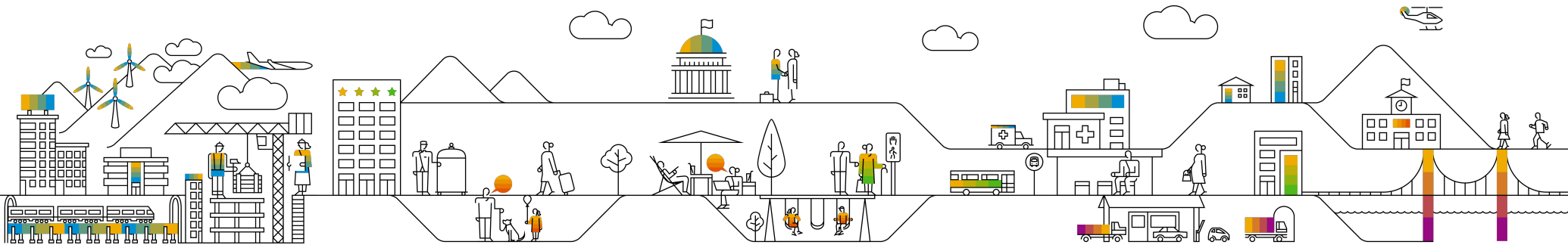
- new product home page for SAP S/4HANA Cloud
- new personalization capabilities in SAP S/4HANA Cloud based on SAP Screen Personas

## Application development accelerators

- new flexible programming model in SAP Fiori elements using OData V4
- enhanced low-code capabilities in SAP Fiori tools to accelerate app development

## Where to learn more

# What's next for SAP Fiori?



# SAP Fiori continues to evolve

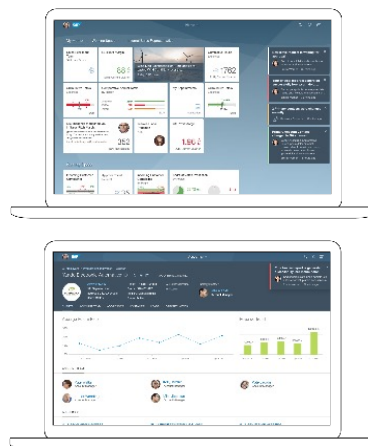
**Casual users**  
Self-service apps



2013

**SAP Fiori**

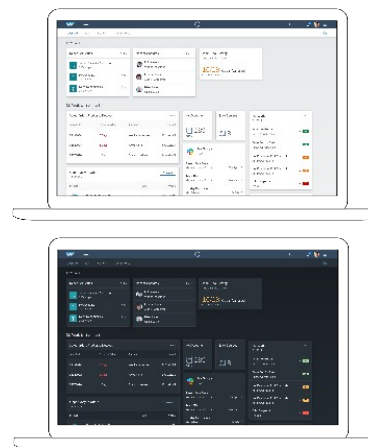
**Desktop user**  
The new face of SAP S/4HANA



2016

**SAP Fiori 2.0**

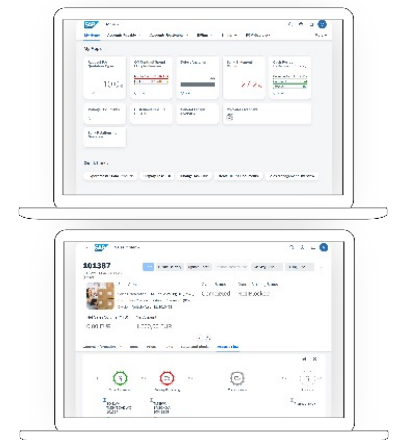
**SAP Fiori 3**  
Consistent, Intelligent, Integrated



2019

**SAP Fiori 3**

**New design DNA**  
Federated model for design system



2021

**Horizon theme**

# Why

To stay competitive and drive customer lifetime value for SAP, we must deliver **useful, accessible**, and **engaging** experiences that help every person to get their work done faster, more intuitively and with measurably better business outcomes than ever before.

# How

We need to build products that are **user-centered** and **experience-driven**, so that we can maximize delight and productivity, which in turn will increase business value.

## Putting users at the wheel

Our development approach will revolve around testing, listening to our customers, rigorous data collection, and iteration.

## Radically change the way we design

We are building a design community across all our business units, embracing Open-Source methodology to allow everyone contribute.

# Continuous Iterative Research drives the “Experience Mindset”

## SAP Design Desirability & Usability Research

(Visual elements & coded UI Components)

- Web, Mobile, Design System & Language

(Practices:)

- End-User testing (in-person & remote)
- Usability Test Center at Events
- Competitive Analysis
- Informing Creative Direction

## SAP Design Inclusive Research

- Participatory Research
- Diverse Research Participant Community
- Inclusive Research Tool Kit

## Horizon Theme In-Product Feedback

- Toggle to switch on Design
- In-app Qualtrics survey
- Internal/external data

## SAP S/4HANA Application-Based Research + Beyond

Desirability & Usability testing

- Complex use-cases

(Continuous Collaboration with LoB apps:)

- SAP Concur
- SAP Success Factors
- SAP Ariba
- + more

**User  
Insights**

HOW DO WE GET THERE?

# The pillars of our new design DNA

Informed by our extensive user research, this framework will allow our design and development teams to quickly prioritize and execute:

## **I. Aesthetics**

Making each product more approachable, modern and delightful, ensuring all our products feel as if they come from one family.

## **II. Performance**

Optimizing perceived performance, starting with our most-used interactions, flows, and applications.

## **III. Accessibility**

Accessibility and inclusive design will be a core pillar of our design approach, ensuring that all people can do their best work using SAP services.

## **IV. Usability**

Ensuring our applications feel more effortless and intuitive, so people get their work done faster, more easily, and with better outcomes.



HOW DO WE GET THERE?

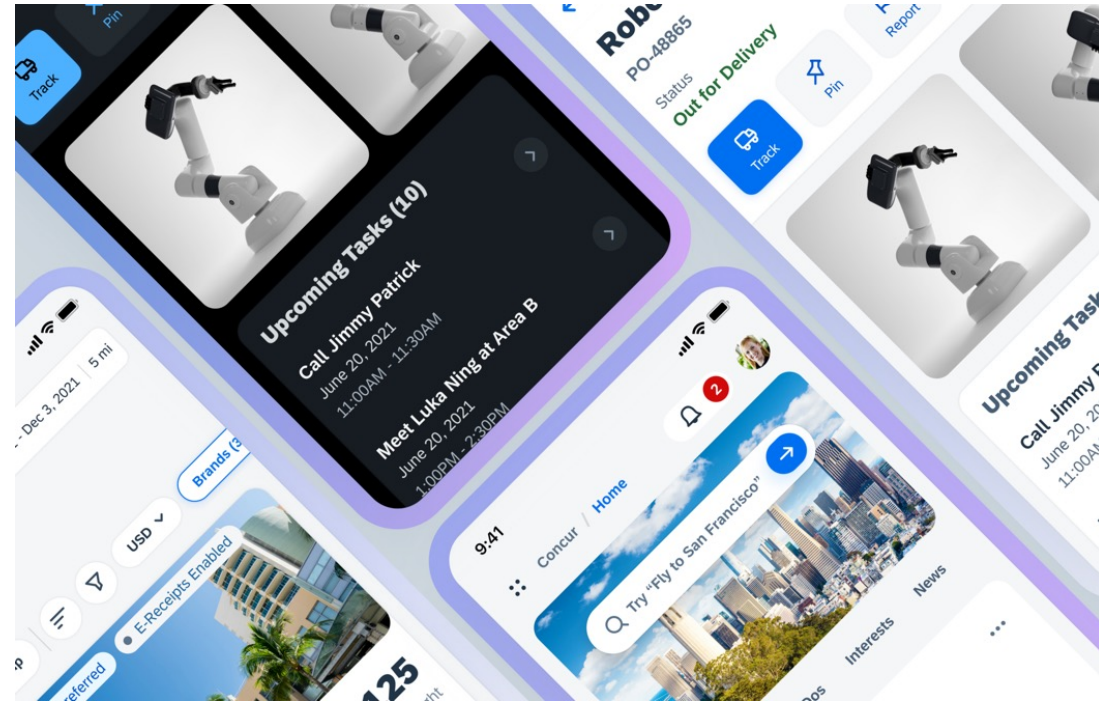
# We're starting with Aesthetics—because first impressions matter

The **Horizon theme** defines a new look and feel for SAP. Horizon's defining principles inform our new "design DNA"

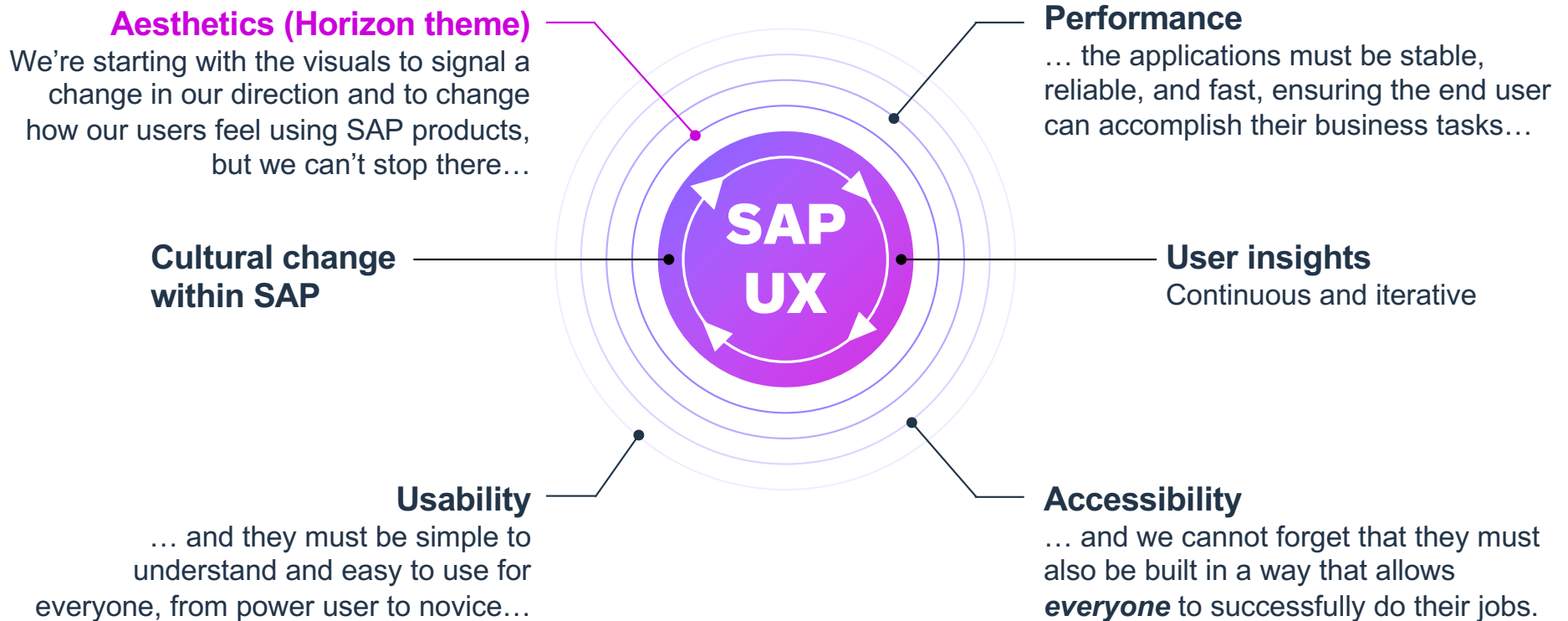
- Intentional & exceptional
- Seamless & cohesive
- Effortless & intuitive
- Bold yet friendly
- Inclusive & ethical

The **"Fiori Next"** design language will allow us to scale that design across all products and LoBs

- Typography
- Iconography
- Imagery
- Color
- Sound
- Motion



# The Horizon theme is the first step in a new approach to development



This is the current state of planning and may be changed by SAP at any time without notice.

# SAP S/4HANA Cloud – Horizon (preview)

## Launchpad and Object Page

**PREVIEW**

**SAP Home**

My Home Accounts Payable Accounts Receivable Billing Billing BOM Overview More

**My Apps**

**Request For Quotation Types**

10,0 k

EUR

**Off-Contract Spend**  
Multiple Measures

PO Net Am... 23.118 EUR  
Contract ... 175.44K EUR

now

**Defect Analytics**

465

now

**Bank Statement Monitor**

27.2 %

**Cash Position**  
By Bank and Currency

Deutsche Bank F... 8,62K  
Comdirect 4T  
Test2020 160

now

Manage Documents 5

Customer CUST001 CUST001

General Ledger Overview

My Sales Overview

Bank Relationship Overview

**Quick Links**

Export Master Data Products Display Task List Change Task List Create Billing Documents Sales Management Overview

**SAP Sales Order**

101387

SO EWM TMS4/SO+DLVO (TM42)

Edit Create Delivery Update Prices Incompleteness Info Delivery Block Billing Block

Sales Area Overall Status Overall Blocking Status

Sales Organization: TM ERP Sales Org DE (TM42) **Completed** **Not Blocked**

Distribution Channel: Distribtn Channel 01 (01)

Division: Vehicle Assembly1010 (01)

Net Sales Volume (YTD) Net Amount

0,00 EUR 1.200,00 EUR

General Information Items Prices Texts Status and Blocks **Process Flow**

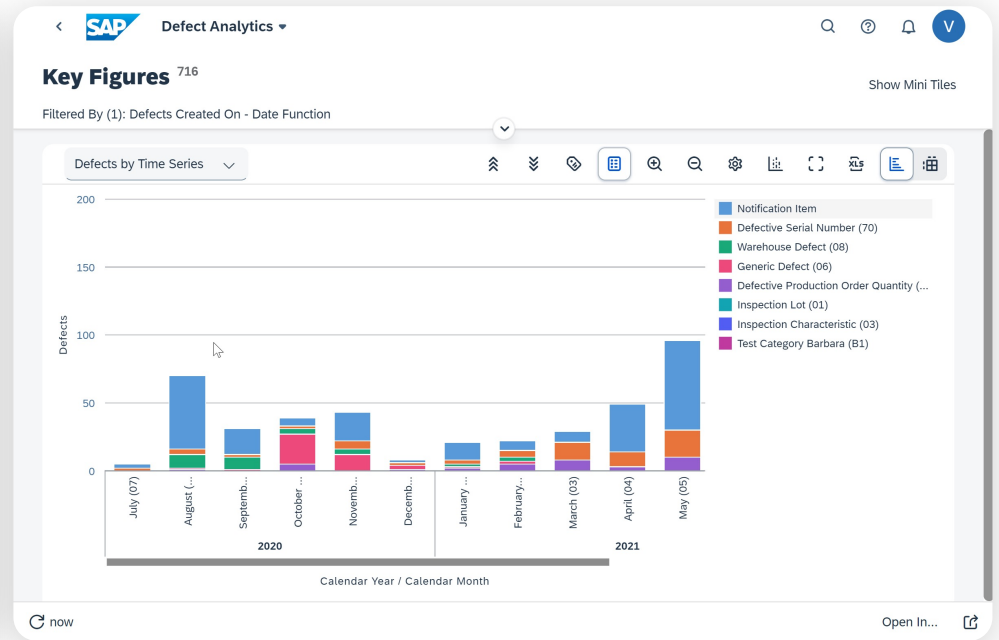
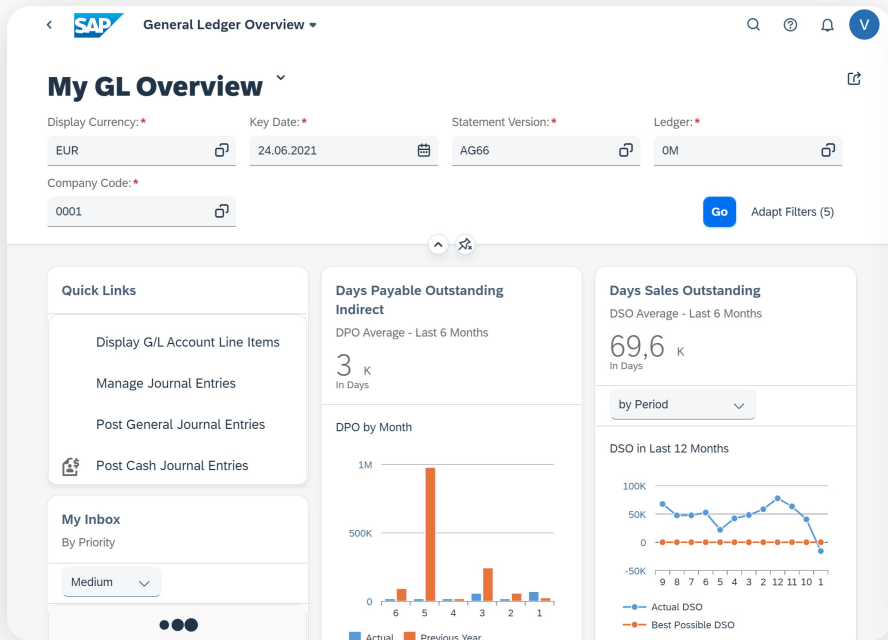
```

    graph LR
      A[Order Processing] --> B[Delivery Processing]
      B --> C[Transportation]
      C --> D[Invoicing]
      A --- A1[SO EWM TMS4/SO+DLVO 101387]
      B --- B1[TM-EWM S4/SO+DLV 80049358]
      D --- D1[Planned Invoic]
      A1 --- A2[Completed]
      B1 --- B2[Shipping Issue]
  
```

# SAP S/4HANA Cloud – Horizon (preview)

## Embedded analytics

PREVIEW



# Horizon preview available today

## SAP S/4HANA Cloud 2202 customers can opt-in to preview

- Give their users the choice to try out the new design, give feedback
  - directly in the system and/or
  - via 1:1 desirability study with SAP
- [SAP Early Adopter Care registration page for Horizon preview](#)

## Developers can preview on SAP Business Technology Platform

- With SAPUI5 1.93.3 and 1.96.0
- With UI5 Web Components 1.0.0
- Also available for [Fundamental NGX](#) and [Fundamental Styles](#)

The screenshot displays the SAP S/4HANA Cloud 2202 Horizon preview interface. It features a navigation bar at the top with options like 'Home', 'Employee - Procurement', and 'Purchasing'. Below this, there's a 'My Apps' section with several application tiles for monitoring purchase contracts, orders, and requisitions. An 'Insights' section provides a high-level overview of key metrics, including 'Overdue Purchase Order Items' (6k), 'Purchase Order Value' (4.20B), and 'Purchase Order Average Delivery' (-2.3). The main content area shows a detailed view of 'Monitor Purchase Contracts' with a table listing suppliers like Garrett Motion Inc. and ABS Labs, along with their respective contract values and operational scores. A large blue 'PREVIEW' stamp is overlaid on the right side of the screenshot.

# Accessibility: Inclusive Research with ALL Users



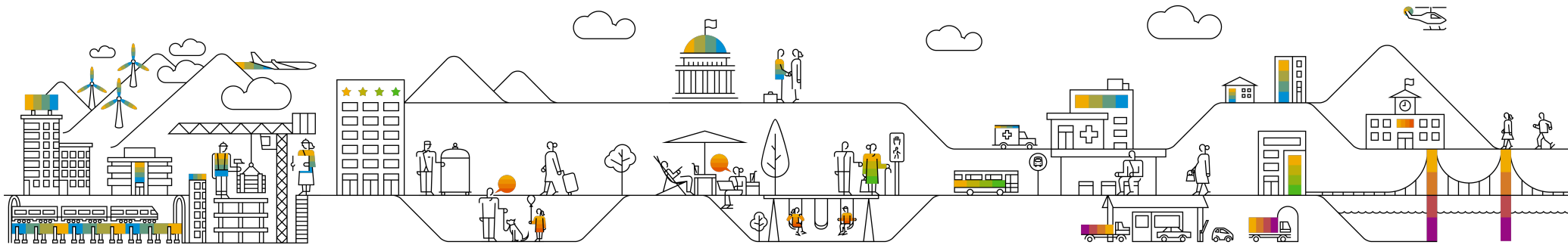
Continuously **involving diverse perspectives** in our research

- 1 Growing a community of active test participants
- 2 Evaluate for usability and usefulness needs

Walkthrough of basic task flows to uncover usability issues for participants expressing needs in areas such as neuro-diversity, low-vision or hearing, among others

- 3 Compile results and share actionable findings  
Identify areas to further improve the user experience for **ALL** users
- 4 Insights inform design decisions  
Iterate and test next UI designs

# Product homepage for SAP S/4HANA Cloud



# New product homepage for SAP S/4HANA Cloud makes users more efficient

Leverage the Horizon visual theme

Search & Launch any of my apps instantly

Rely on and spaces & pages  
Get my To Do list combining My Inbox items and My Situations

Personalize the section shown on the page and their display order

Keep an eye on my news content

Access my most critical pages quickly

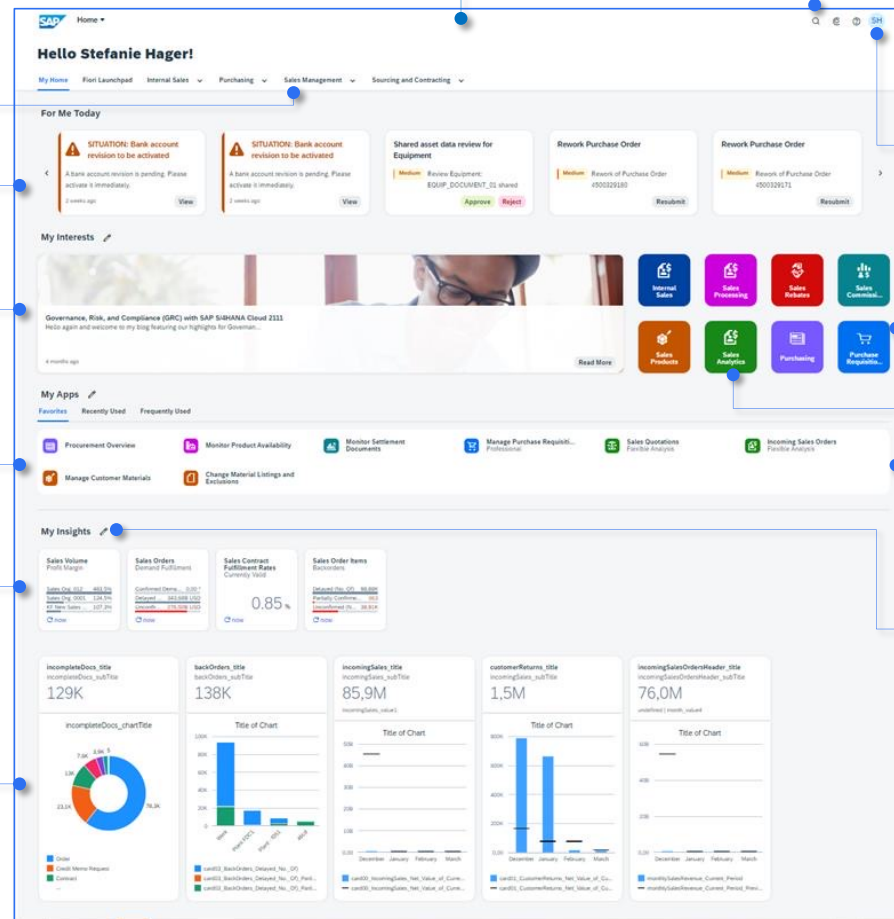
Launch my most relevant apps

Identify instantly to which page my app belongs too (Color coding)

Monitor your business thanks to Dynamic or Smart business Tiles

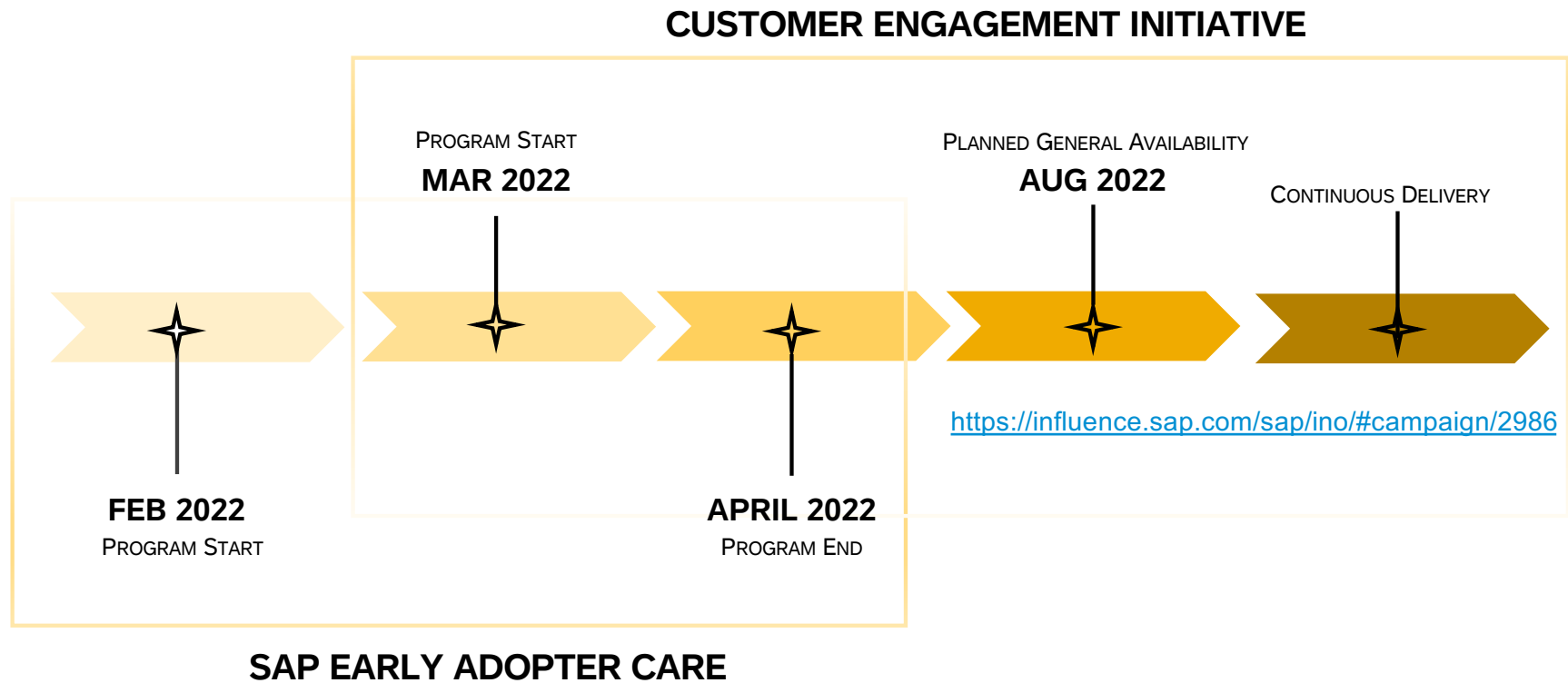
Personalize the content of the section

Track your business trends through your pinned OVP/UI5 cards



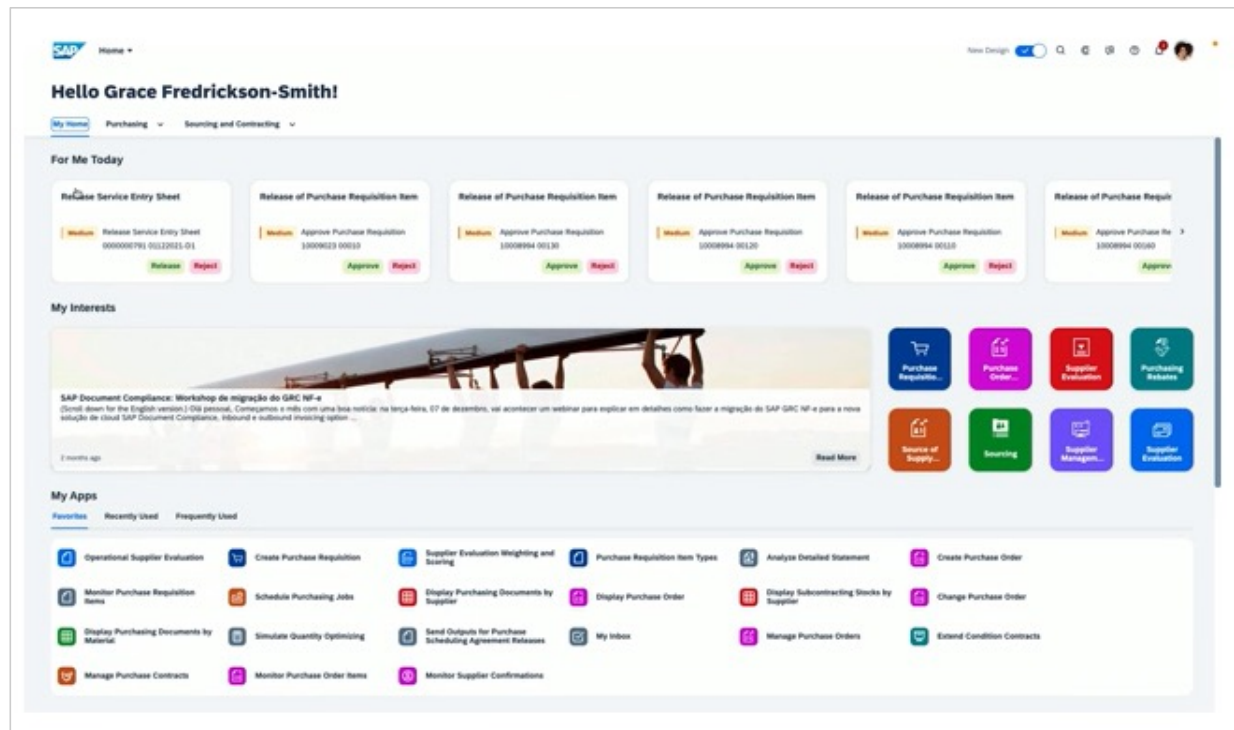


# You can influence the product homepage for SAP S/4HANA Cloud



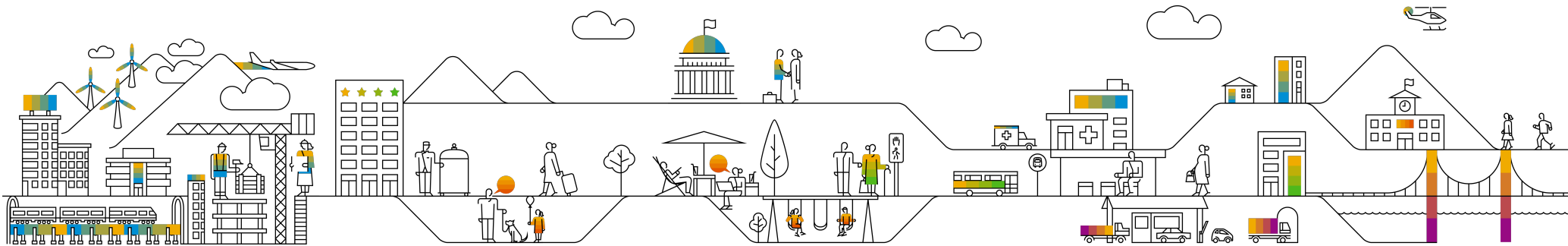
\*Subject to change; SAP may decide to close the program at any time

# Demo of product homepage in SAP S/4HANA Cloud



<https://www.sap.com/assetdetail/2022/01/84cbc129-147e-0010-bca6-c68f7e60039b.html>

# SAP Screen Personas provides personalization in SAP S/4HANA Cloud



## SAP Screen Personas is moving to the cloud



*SAP Screen Personas 3.0*

- available since 2014 -



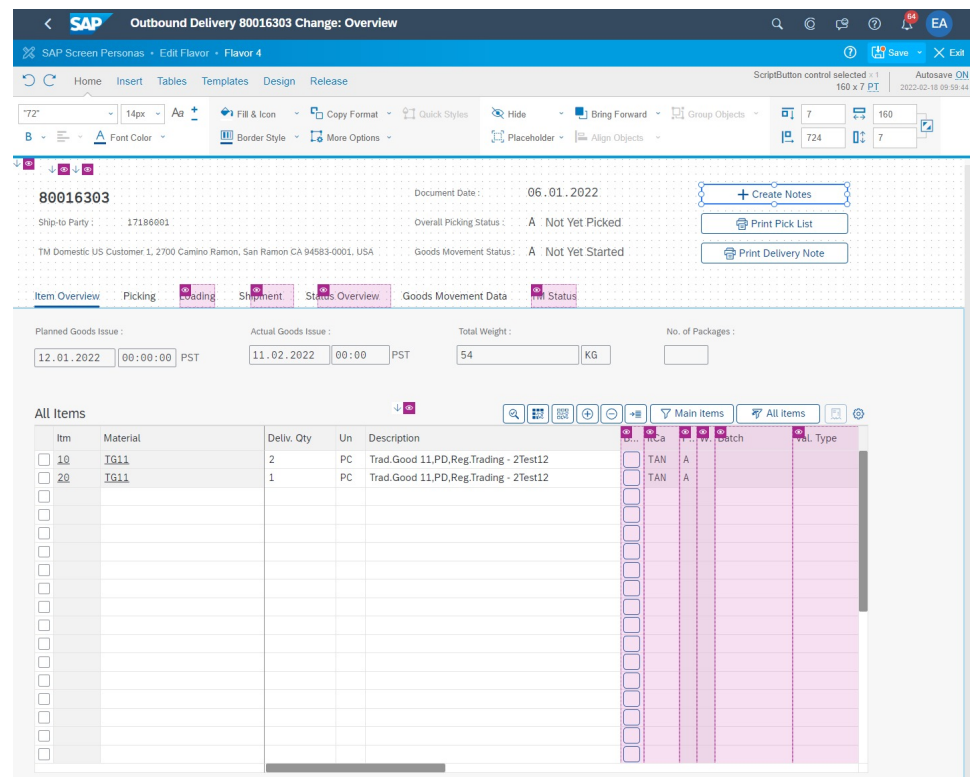
For SAP S/4HANA Cloud it is a capability referring to *Adapt UI for classic applications with Screen Personas*

- available since SAP S/4HANA Cloud 2202 -

# SAP Screen Personas simplifies screens - for cloud or on-premise

Top most used features from on- prem in SAP Screen Personas are available in the cloud.

- Hide UI elements
- Rearrange UI elements
- Automate process steps through scripting
- Adjust styling
- Make suitable for tablet use



# Improve classic application usability in SAP S/4HANA Cloud

Original: 2 screens

The original interface is split into two windows. The top window is a search form with fields for Document, Order Type, Sold to Party, Document Date, Material, Customer Substanz, and Created On. The bottom window is a data table titled 'List of Sales Orders (817 Entries)' with columns for Customer Reference, Doc. Date, Sales doc. type, Sales document, Item Sold-To, Material, and Order Quantity (Item).



Simplified: 1 screen

The simplified interface is a single window with search filters at the top and a data table below. The search filters include Material, Sold to party, PO number, and Document number. The data table has columns for Customer Reference, Doc. Date, DocTy, Sales document, Item Sold-To, Material, Quantity, Unit, and Net Value (Item).

Single simplified screen combines search and results and follows SAP Fiori list report format

# Simplify classic applications in SAP S/4HANA Cloud

Original: many tabs and unused fields

Simplified: no tabs, just necessary fields

Screenshot of the original SAP 'Create Service Notification: Service Request' form. The interface is cluttered with many tabs and unused fields. The 'Notification' tab is active, showing fields for 'Sold-to Party', 'Street/Hse No.', 'Location', 'Telephone', 'Fax', 'Reported By', 'Date', 'Cust. Reference', 'Sales Doc.', and 'Functional loc.'. The 'Action box' on the right contains options like 'Repair Order', 'Send Final Notice', 'Solution Database', 'Create Internal Note', 'Log Telephone Call', 'Send Confirmation of Receipt', and 'Create Quality Notification'.



Screenshot of the simplified SAP 'Create Service Notification: Service Request' form. The interface is clean and focused, with no tabs. The 'Notification' tab is active, showing fields for 'Sold-to party', 'Street/Hse No.', 'Location', 'Telephone', 'Reported By', 'Functional loc.', 'Cust. Reference', 'Equipment', 'Assembly', 'Priority', 'Required Start', 'Required End', 'Malfunc. Start', 'Malfunc. End', and 'Description'. The 'Save' and 'Cancel' buttons are at the bottom right.

Focus on necessary fields on one screen depending on user, optimized for tablet use

# Access to SAP Screen Personas in on-Premise for SAP S/4HANA or ECC

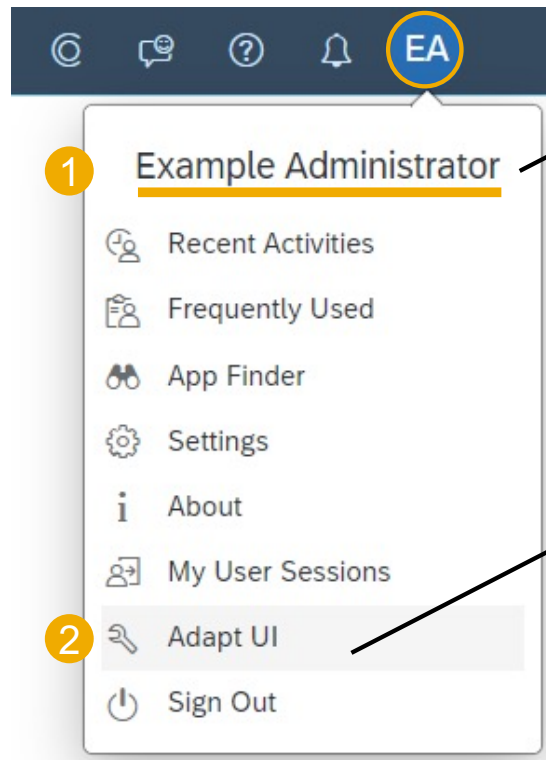


## Blue Line with P button

- Blue line indicating that SAP Screen Personas is active
- P button pulls down to open Flavor Manager
- Flavor Manager provides access to all design time or runtime features depending on authorization



# Access to Screen Personas Functionality in SAP S/4HANA Cloud as of 2202



## Works out of the box

- SAP-delivered business role (template) Administrator SAP\_BR\_ADMINISTRATOR contains Flavor Creation and Flavor Administration
- Works out of the box in clients that are enabled for Adaptation Transport Organizer (ATO)

## Convenient and user-friendly access









- Access directly through user action menu of SAP Fiori launchpad
- One access point for all UI adaptation opens tool based on technology of business app
  - SAP GUI for HTML → Screen Personas
  - SAPUI5-based /SAP Fiori app → UI Flexibility

## Slightly different scope in cloud on-premise

### SAP S/4HANA Cloud and SAP S/4HANA

- Flavor Editor
  - Create flavors
  - Edit flavors
  - Add adaptive flavors
- Script Editor
  - Automate user interaction
- Template Editor
  - Create and use templates for recurring patterns
- Flavor Administration
  - Push to subsequent system
  - Prepare role assignment

### Different per Delivery Channel

- User access
  -  SAP Fiori launchpad
  -  Direct access
- Transporting flavors
  -  ATO (Adaptation Transport Organizer)
  -  Transport Manager
- Assigning flavors to users
  -  Assignment category
  -  Personas roles
- Health Check for Admin
  -  Essentials
  -  Install/upgrade support
- Product Documentation
  -  Part of FLP in S/4HC
  -  Direct access

### On Premise only

- Theme Editor
- Flavor Analytics
- Dedicated mobile features through Slipstream Engine
- Features specific to on premise system setups, e.g. importing clients, directly calling RFCs from flavors and scripts

# SAP Fiori elements and the flexible programming model



# SAP Fiori elements ensures consistent layout, navigation

Efficient development using templates, designed based on enterprise user needs

The collage displays several SAP Fiori application views:

- List Report:** A table listing sales orders with columns for Sales Order Number, Product Code, and Leasing Rate.
- Object Page:** A detailed view for 'Robot Arm Series 9' showing order details, assembly options, and contact information.
- Overview Page:** A dashboard view for 'Project Financial Analysis' featuring a bar chart for 'Sales Orders by Company' and a table for 'Sales Orders (123)'.
- Analytical List Page:** A table view for 'Sales Orders (18)' with columns for Sales Order Number, Product Code, and Leasing Rate, including a 'Flexible Column Layout' feature.
- Flexible Column Layout:** A screenshot showing how the table columns can be rearranged to suit the user's needs.

List Report

Object Page

Overview Page

Analytical List Page

Flexible Column Layout

# SAP Fiori elements boosts SAPUI5 development efficiency



- Focus on **business logic** and back-end services
- Write **less UI code**
- **Reduce** development and maintenance **costs**

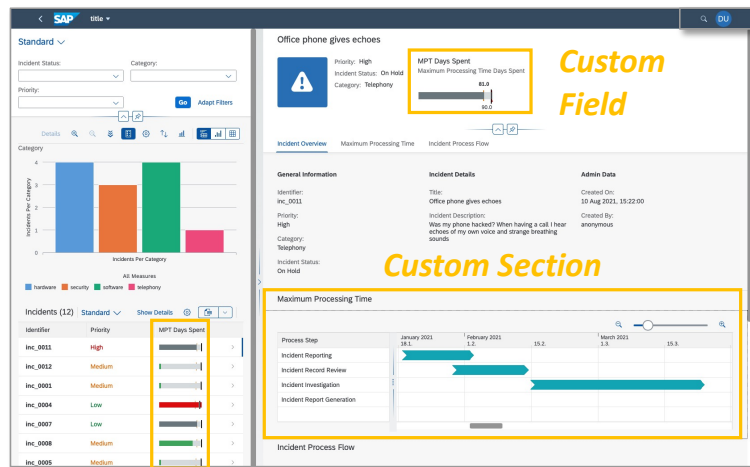


- Comply with the **latest SAP Fiori design** specification
- Deliver a **centrally managed** user experience
- Include **uniform** fonts, colors, layout, navigation, actions, search, filtering, and more



- Deliver **high quality** SAPUI5 applications to end-users
- Ensure **stable, optimized** UI code out of the box
- Include **standard enterprise features** (accessibility, mobile, translation support, ...)

# Extend SAP Fiori elements apps with the flexible programming model



**Custom Column**

- **Extension points** allow you to add **custom artifacts** like custom sections, custom actions, custom table columns, or even custom pages.
- Within these custom artifacts you can leverage **building blocks** (OData V4), **smart controls** (OData V2) or **custom controls**
- **Custom logic** can be incorporated using **controller extensions** specified in the **extensionAPI**

**The closer you stay to the standard SAP Fiori elements floorplans, the greater the savings in development and maintenance costs**

# Building blocks make it easier to create and maintain custom artifacts

The screenshot displays the SAP Fiori 'Business Trip' application interface. At the top, there are navigation buttons: 'Edit', 'Delete', 'Accept Travel', 'Reject Travel', and 'Deduct Discount'. Below this, a summary card shows details for 'Business Trip 4122', including Agency ID (Cap Travels Ltd.), Customer ID (Neubastler), and Total Price (7,037.00 USD). The main section is titled 'Travel Itinerary' and features a map showing a route from San Francisco (SFO) to New York (GFK) and then to Frankfurt am Main (FRA). A table titled 'Bookings (2)' is overlaid on the map, listing two bookings with their respective dates, customer IDs, and flight numbers.

No.	Booking Date	Customer ID	Flight Number	Flight Date
1	Sep 28, 2021	Neubastler (000083)	0018	Oct 7, 2021
2	Sep 28, 2021	Wohl (000138)	0018	Oct 7, 2021

**Custom control** (referring to the map)

**Table building block** (referring to the bookings table)

- **Extension points** allow you to add **custom artifacts** like custom sections, custom actions, custom table columns, or even custom pages.
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**The closer you stay to the standard SAP Fiori elements floorplans, the greater the savings in development and maintenance costs**

# Controller extensions allow you to add custom logic

Travel	Agency	Customer	Start Date	End Date	Booking Fee	Total Price	Status
Sightseeing in Singapore 157	Aussie Travel (70028)	Domenech (500)	Jan 7, 2021	Nov 3, 2021	15.00 EUR	5,509.00 EUR	Accepted
Business Trip to Singapore 423	Ali's Bazar (70016)	Heller (242)	Nov 4, 2021	Nov 4, 2021	10.00 EUR	3,277.00 EUR	Open
Business Trip to USA 679	Super Agency (70017)	Benjamin (453)	Jan 6, 2021	Jan 6, 2021	20.00 EUR	7,373.00 EUR	Open
Business Trip 929	Real Weird Vacation (70037)	Columbo (59)	Jan 9, 2021	Jan 9, 2021	0.08 EUR	22.81 EUR	Accepted
Vacation to USA 1191	Happy Holiday (70025)	Martin (90)	Jan 8, 2021	Jan 8, 2021	10.00 EUR	5,580.50 EUR	Open
Sightseeing in Tokyo, Honolulu 1447	Fly Low (70027)	Heller (245)	Jan 10, 2021	Jan 10, 2021	10.00 EUR	1,826.50 EUR	Accepted
Vacation 1703	All British Air Planes (70047)	Picard (845)	Nov 1, 2021	Nov 1, 2021	30.00 EUR	11,642.00 EUR	Open
Vacation for Ulla, Lee, Pierre 1959	Pillipalle Trips (70013)	Pan (623)	Nov 6, 2021	Nov 6, 2021	15.00 EUR	2,037.00 EUR	Open
Business Trip to Germany Arround the World (70018)	Pen (626)		Nov 5, 2021	Nov 5, 2021	0.23 EUR	54.89 EUR	Open

- Extension points allow you to add **custom artifacts** like custom sections, custom actions, custom table columns, or even custom pages.
- Within these custom artifacts you can leverage **building blocks** (OData V4), **smart controls** (OData V2) or **custom controls**
- Custom logic** can be incorporated using **controller extensions** specified in the **extensionAPI**

Example:  
implement a **controller extension**  
to adapt the navigation target based  
on document status

```

01011
11010
10101
01101
    
```

Custom code

The closer you stay to the standard SAP Fiori elements floorplans, the greater the savings in development and maintenance costs



# The Flexible Programming Model explorer has more information

<https://ui5.sap.com/test-resources/sap/fe/core/fpmExplorer/index.html#/overview/introduction>

The screenshot shows the SAP Fiori elements Flexible Programming Model Explorer interface. The top navigation bar includes 'SAP Fiori elements Flexible Programming Model Explorer', 'Overview', 'Extension Points', 'Building Blocks' (which is the active tab), and 'Controller Extensions'. The left sidebar contains a tree view of categories: 'Overview', 'Field' (with sub-items: Field - Display Mode, Field - Edit Mode, Field - Events, Field - Navigation Properties, Field - Format Options), 'Form Element' (with sub-items: Form Element - Label Optio..., Form Element - Custom Fi...), 'Table' (with sub-items: Table - Display Mode, Table - Edit Mode, Table Customization), and 'MicroChart' (with sub-items: MicroChart - Default, MicroChart - Dynamic Size, MicroChart - Hide On No D...). The main content area is titled 'Overview of Building Blocks' and contains the following text: 'While extension points provide you with containers where you can implement your own UI, SAP Fiori elements exposes a set of building blocks that are used during templating to build your app. Building blocks are reusable artifacts that are consistently orchestrated by the framework, so you automatically benefit from SAP Fiori compliance and standard application behavior like draft handling and side effects. Using our building blocks to extend your app results in low-maintenance and timeless software. The building blocks provided by SAP Fiori elements are:'. Below this text is a bulleted list of building blocks, each with a link to its API Reference and Documentation: 'Field', 'Form Element', 'Table', 'Micro Chart', 'FCL Actions', and '"Share" Functionality'.



# SAP Fiori tools makes it easier to build SAP Fiori elements apps

Uses a **wizard-style** approach

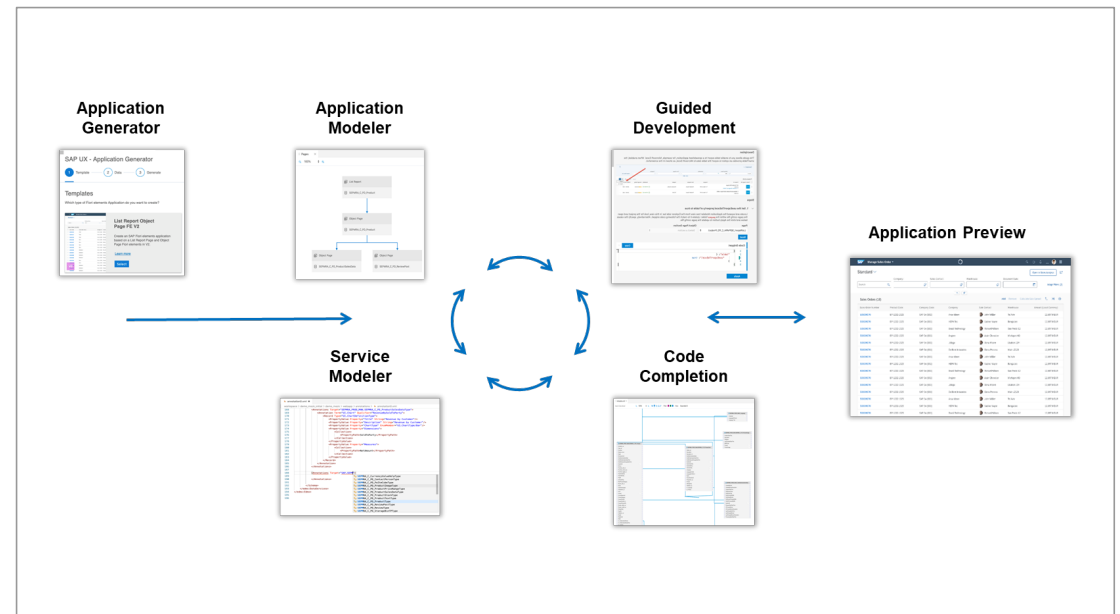
Ensures **consistent** app structure

Provides **step-by-step** development instructions

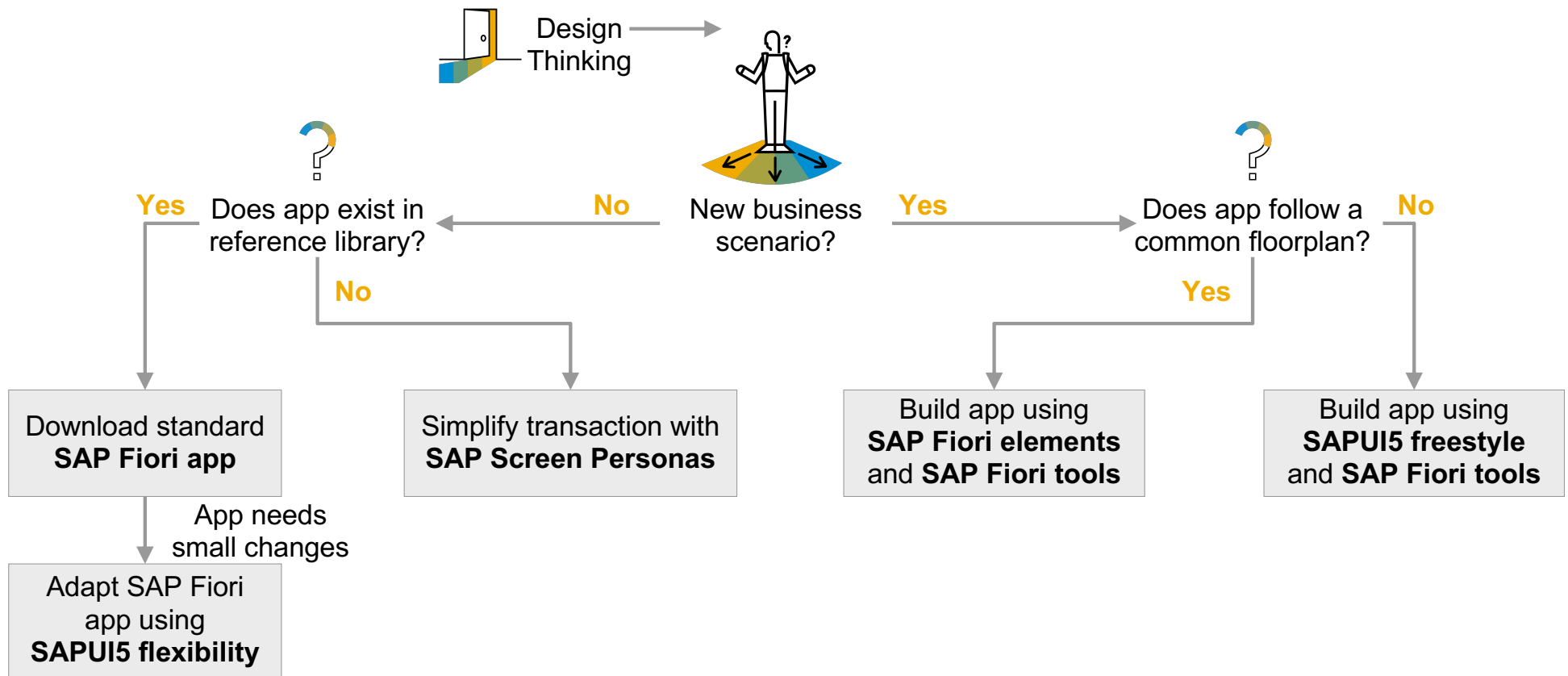
**Reduces effort** and skill level required for creating annotations

Improves **code consistency**

**Simplifies** app maintenance



# Choose the path to the SAP Fiori user experience based on your needs



## Where to learn more

### Horizon theme for SAP Fiori

- Preview video <https://youtu.be/35AGfnzvarl>
- <https://blogs.sap.com/2021/11/17/sap-fiori-new-horizon-visual-theme-available-as-preview-we-want-your-feedback/>
- <https://blogs.sap.com/2021/11/17/saps-ui-technologies-supporting-the-new-horizon-visual-theme-of-sap-fiori/>

### SAP S/4HANA Cloud Product homepage

- Video preview <https://www.sap.com/assetdetail/2022/01/84cbc129-147e-0010-bca6-c68f7e60039b.html>
- Join the influence program <https://influence.sap.com/sap/ino/#/campaign/2986>

### SAP Screen Personas in SAP S/4HANA Cloud

- <https://blogs.sap.com/2022/01/27/sap-s-4hana-cloud-2202-includes-screen-personas-to-provide-screen-adaptation-capabilities/>
- [User Guide](#) and [Administration Guide](#) as part of SAP S/4HANA Cloud
- [www.sapscreenpersonas.com](http://www.sapscreenpersonas.com)

### SAP Fiori elements and SAP Fiori tools


- [www.sapfiorielements.com](http://www.sapfiorielements.com) and [www.sapfioritools.com](http://www.sapfioritools.com)
- <https://blogs.sap.com/2021/08/19/leverage-the-flexible-programming-model-to-extend-your-sap-fiori-elements-apps-for-odata-v4/>
- Try Building Blocks with [Flexible Programming Model Explorer](#)

## Join the SAP UX community

### ASUG

- UX Think Tank; email Amanda McGathey [Amanda.McGathey@asug.com](mailto:Amanda.McGathey@asug.com)
- UX Influence Council; email Amanda McGathey [Amanda.McGathey@asug.com](mailto:Amanda.McGathey@asug.com)

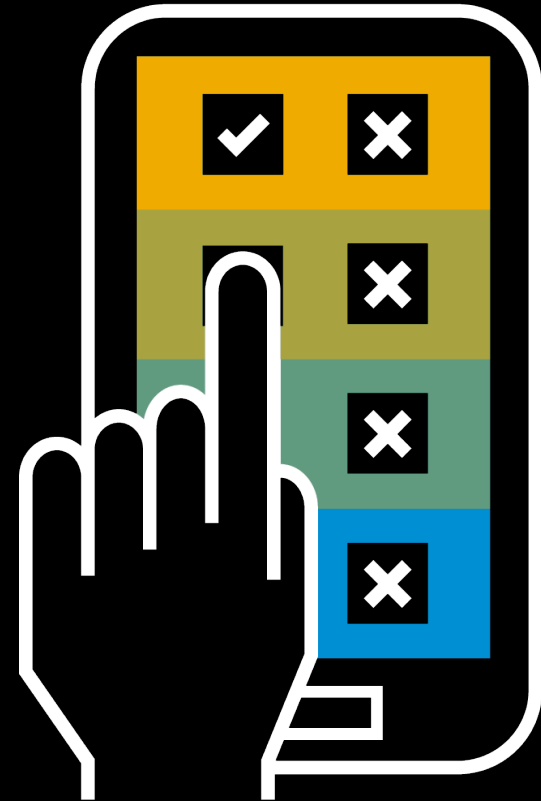
### SAP

- SAP Fiori elements roundtable  
<https://blogs.sap.com/2021/07/31/peer-to-peer-learning-at-the-sap-fiori-elements-and-sap-fiori-tools-roundtable/>
- SAP Screen Personas practitioner forum  
<https://www.sap.com/cmp/nl/sap-screen-personas-practitioner-forum/index.html>
- Subscribe to the SAP Fiori development newsletter  <https://www.sap.com/cmp/nl/sap-fiori-development-newsletter/index.html>



# Building Community Knowledge with SAP Product Reviews

INTERNAL – SAP and Customers only



# Peer-to-peer review sites make purchase decisions less risky

## What are these communities? Why do they matter?



**“Yelp-like” or “Glassdoor-like” communities**  
for enterprise software where customers  
provide product reviews.



**97% of B2B customers** cited testimonials  
and peer recommendations as the most  
reliable type of content.

(Source: Demand Gen Report)



**81% of [survey respondents]** expected  
end-user reviews to be useful in making  
purchase decisions.

(Source: Gartner)



# Contributing to peer-to-peer review sites helps the ASUG community



## Help your peers

If we all provide feedback on our business solutions, our collective wisdom will help avoid surprises after the purchasing decision for everyone



## Earn recognition

Your detailed, balanced reviews of the solutions that you know inside and out can position you as an expert



## Share feedback

Use a solution that has made your job easier? Make your voice heard

# Share your SAP product experience by writing a review on TrustRadius.

Once published, TrustRadius will provide a \$25 Amazon gift card and a \$10 donation to the World Health Organization!

Write a Review



[sap.com/product-review](https://sap.com/product-review)

Questions?

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# Thank you.

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