

A Hitchhiker's Guide to SAP Fiori UX and its Technologies (Part 1)

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PUBLIC



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The Hitchhiker's Guide to the Galaxy

A comedy science fiction story created by Douglas Adams. Originally a 1978 BBC radio comedy, it was later adapted to other formats. The narrative follows the misadventures of the last surviving man, Arthur Dent, who is rescued from Earth's demolition by Ford Prefect—a human-like alien writer for the eccentric, electronic travel guide: **The Hitchhiker's Guide to the Galaxy**.



A towel, it says, is about the most massively useful thing an interstellar hitchhiker can have. Partly it has great practical value, but more importantly, a towel has immense psychological value.

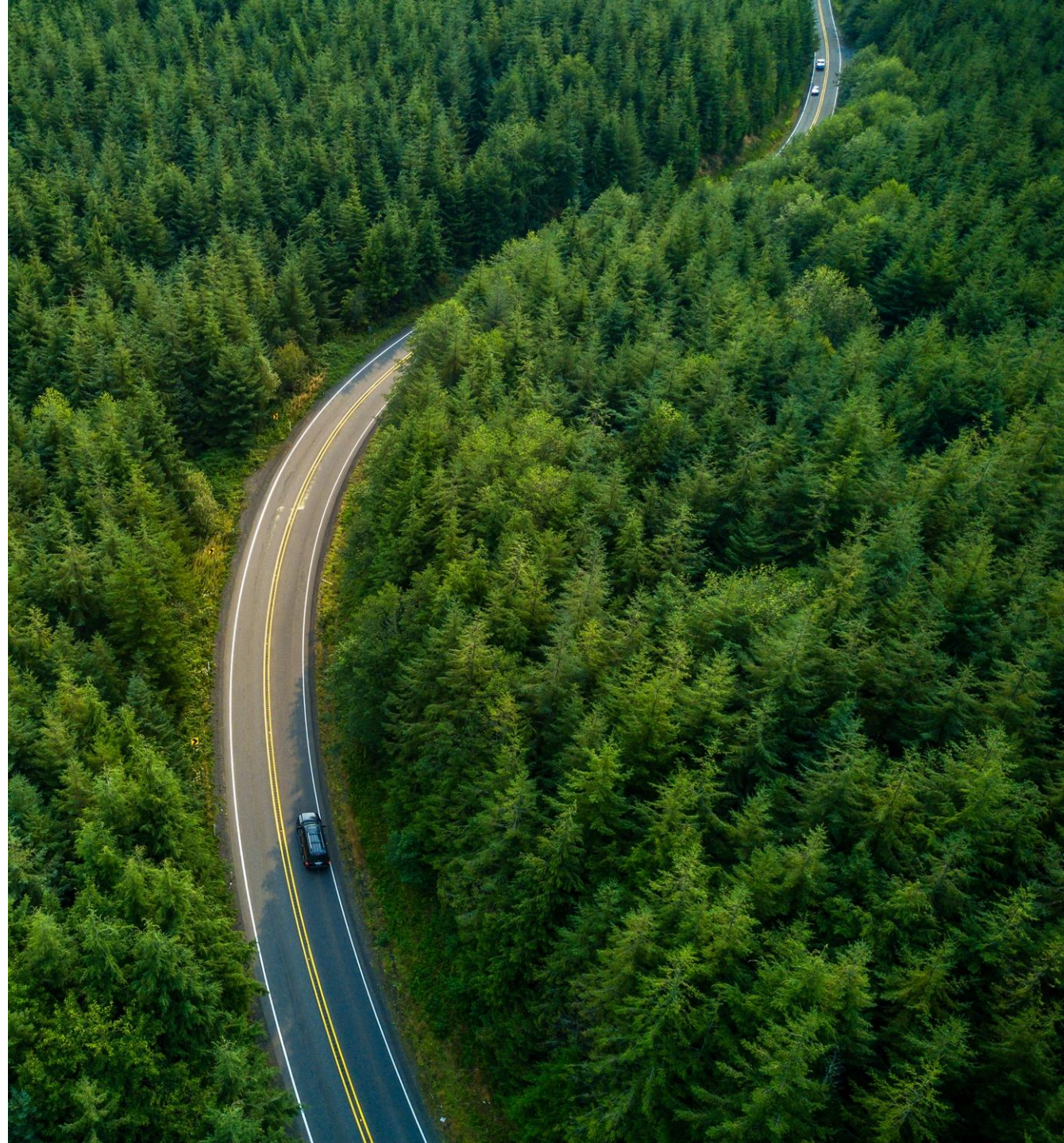
Agenda

Part 1 (today)

1. SAP Fiori User experience
2. The digital experience for business users
3. Q&A

Part 2 (Thursday)

1. Building apps with SAP Build
2. Extending standard SAP apps
3. Q&A

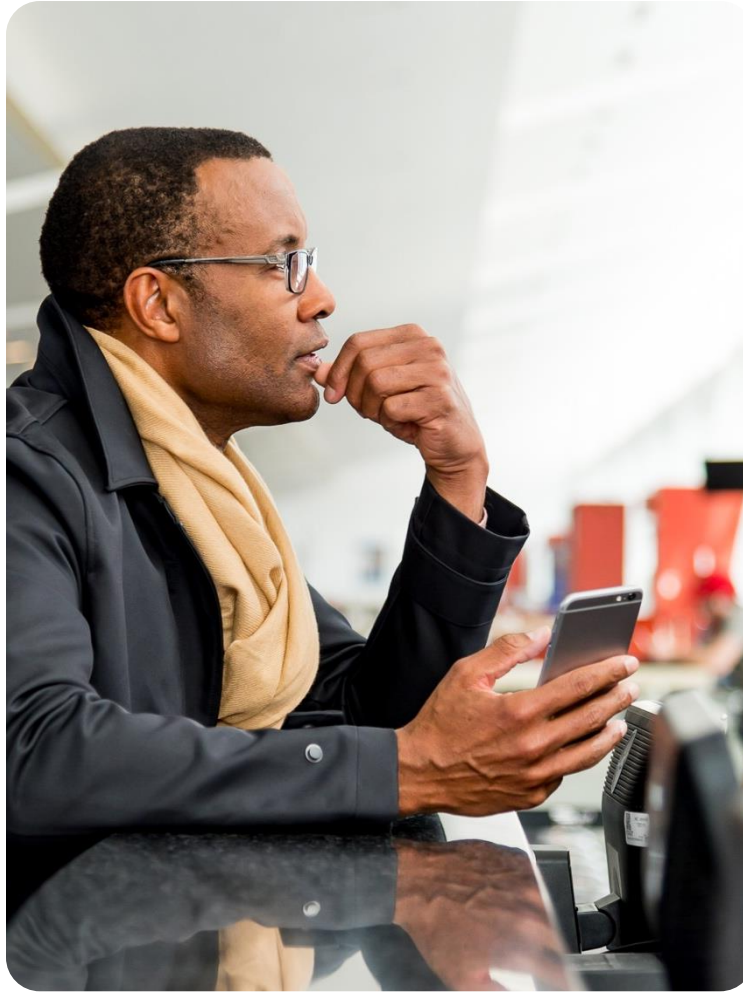


SAP Fiori User Experience



"If you start with a **technology** then it just becomes a **feature list**, but when you start with a **person** then really **amazing things happen.**"

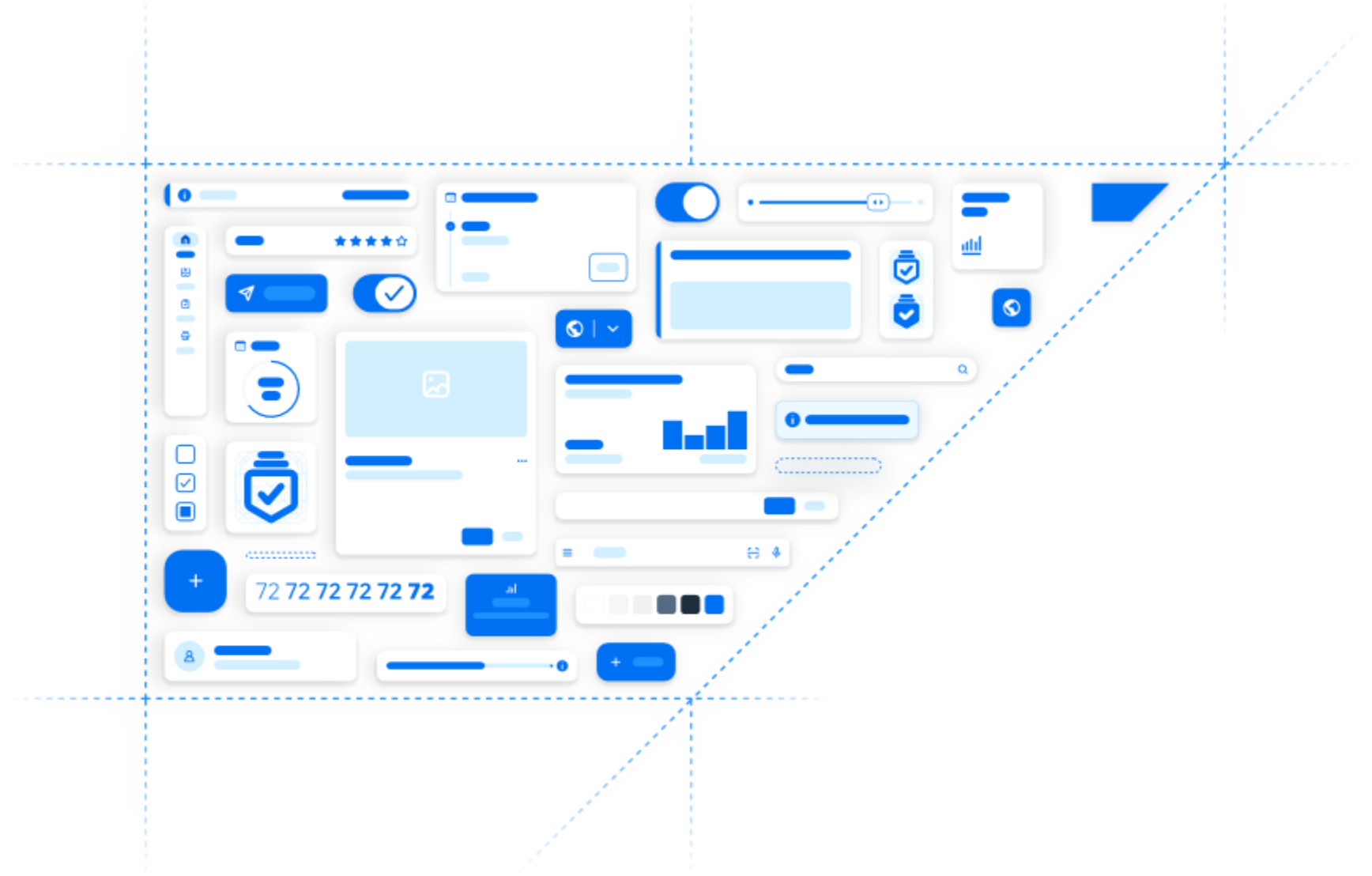
Mike Vanis - Interaction Designer



How we live determines how we want to work.

SAP Fiori Design System

Consistent and inclusive UX





Friday, September 26, 2025

Hi Example, great to see you!

Add Content

Recap

My Home Settings

To-Dos

now Show More

Tasks (28)

Situations (209)



Approve Purchase Order 4500056414

Medium Priority

Qi Liu

Purchase Order Net Val...
10,000.00 CNY

Supplier Details:
CN Domestic Supplier
301 (0013300301)

Purchasing Organization:
Purch. Org. 1310 (1310)

Purchasing Group:
Group 001 (001)

Approve

Reject



Approve Purchase Order 4500055749

Medium Priority

_SAPI559291

Purchase Order Net Val...
0.00 EUR

Supplier Details:
Werk 1010 als
Geschäftspartner
(0010411010)

Purchasing Organization:
Purch. Org. 1010 (1010)

Purchasing Group:
TM – Int. Planning (007)

Approve

Reject



Approve Purchase Requisition 10044658

Medium Priority

chandwar

Number Of Items:
1

Total Net Value:
11.00 EUR

Requisition Date:
29.06.2025

Requestor:
chandwar

Approve

Reject



Approve Purchase Requisition 10044530

Medium Priority

SatishKumar R

Number Of Items:
1

Total Net Value:
11.00 EUR

Requisition Date:
26.06.2025

Requestor:
SatishKumar R

Approve

Reject

News



test no descip

Discover new features and changes of this release

Pages



Internal Sales Overview
Internal Sales



Customers and Products
Internal Sales



Sales Processing
Internal Sales



Scheduling Agreement
Processing
Internal Sales



Sales Rebates
Internal Sales



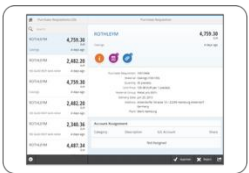
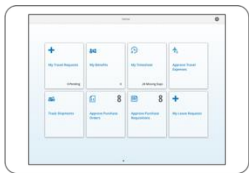
Sales Commissions and
Incentives
Internal Sales



Sales Analysis
Internal Sales

SAP Fiori continues to evolve

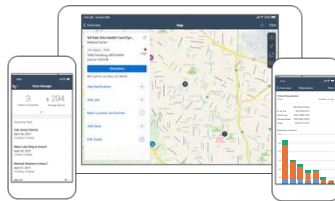
Casual users
Self-service apps



Desktop user
The new face of SAP S/4HANA



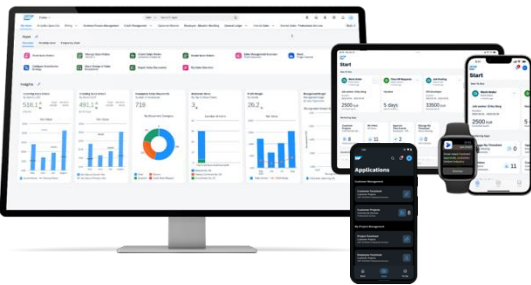
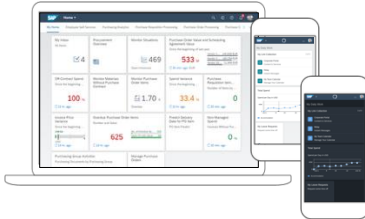
Native mobile
for iOS & Android



Conversational



Next steps of the SAP Fiori evolution
SAP Fiori with Quartz
SAP Fiori with Horizon



Consistent
Intelligent
Integrated

Collaborative

2013

SAP Fiori

2016

SAP Fiori 2.0

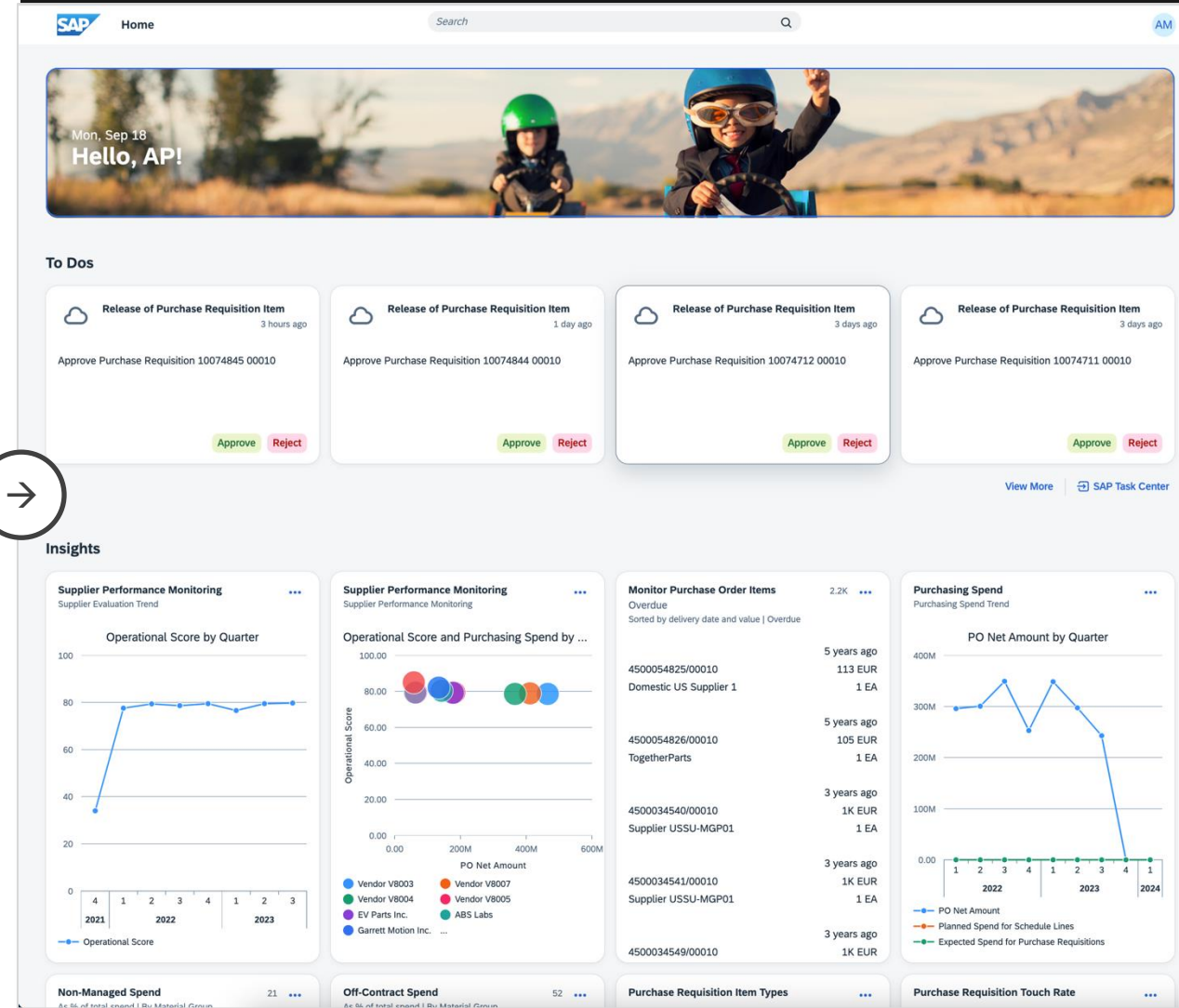
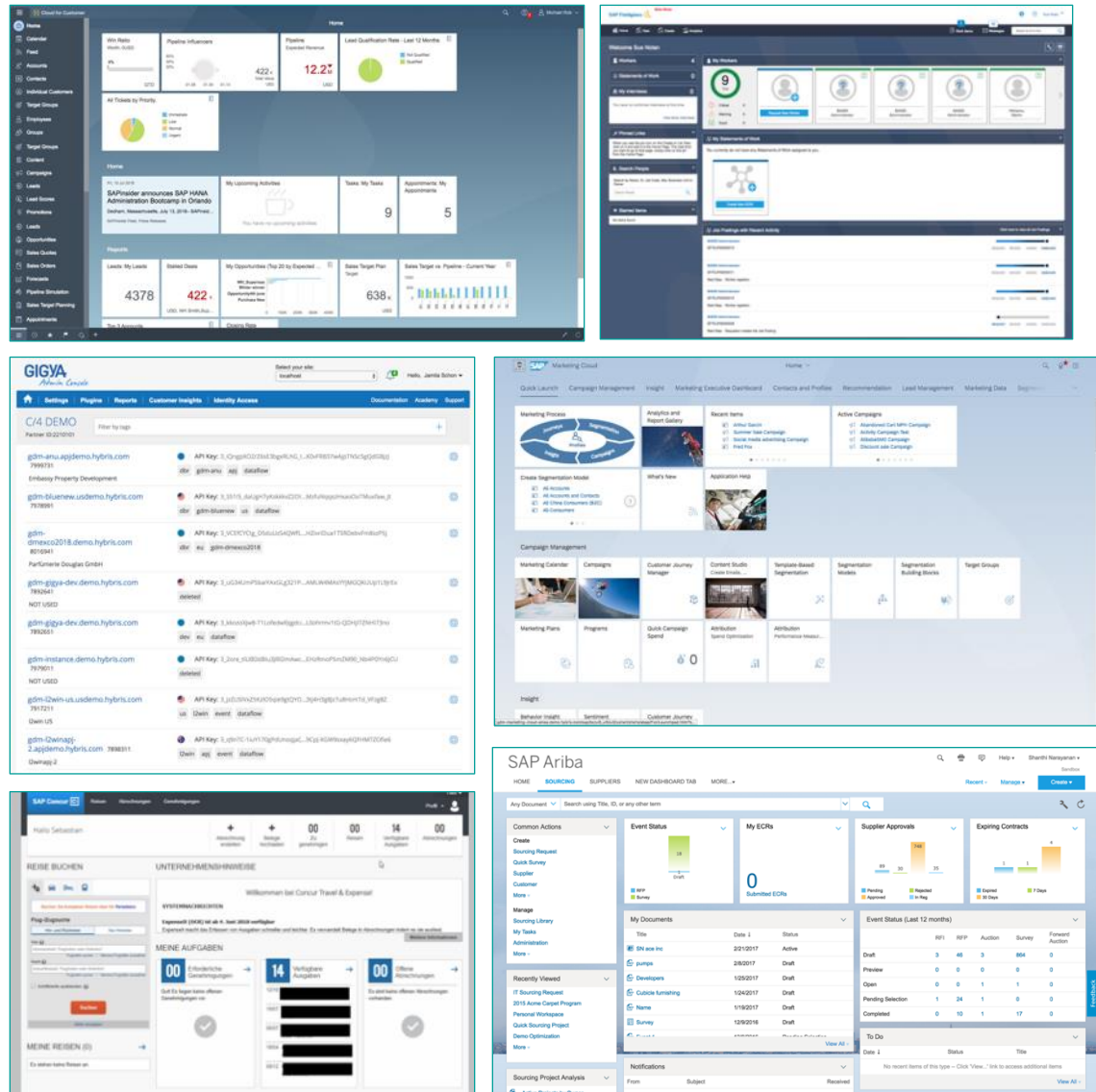
2019

SAP Fiori 3


2022+

SAP Fiori with Horizon

SAP Fiori provides UX Consistency





 View Trips




0



Rule Class

Travel AI - AUT Sabre Air Class

Booking for myself | [Book for a guest](#)



All good to fly!

Flight Search

Round-trip

One-way

Multi-city

From *


Enter airport, city or location


To *

Enter airport, city or location

Dates *

2025-07-08 - 2025-07-09





 Triplt creates a schedule with all your travel details in one place, accessible on Android or iPhone. Simply connect your Concur account to Triplt. [Connect to Triplt](#) [No, thanks](#)

Company Notes

Book travel with Concur, check travel rules set by your company, get travel maps, and more.



Booking Flights from San Fran...  


Today 09:32

I want to book a flight from San Francisco to London on Sept 9th and back on Sept 13th

Here are flight options from **San Francisco** to **London** that depart on **September 9, 2025**, based on your frequent traveler memberships, flight availability, and company policies.

San Francisco - London


Departing flight • Departing on Tuesday, September 9, 2025

 11:00 - 09:35⁻¹ USD 772

1 Stop BOS • 14h 35m • 1333 kg CO₂e

jetBlue • Optimised connection time, Least expensive flight, No overnight layover • Least Cost Logical Fare


Select

 22:30 - 20:45⁻¹ USD 786

1 Stop JFK • 14h 35m • 1432 kg CO₂e

jetBlue • Optimised connection time, Least expensive flight, No overnight layover • Least Cost Logical Fare

Select

Message Joule... 

Joule uses AI. Verify results.

SAP Fiori User Experience

[SAP Design System \(Guidelines\)](#)

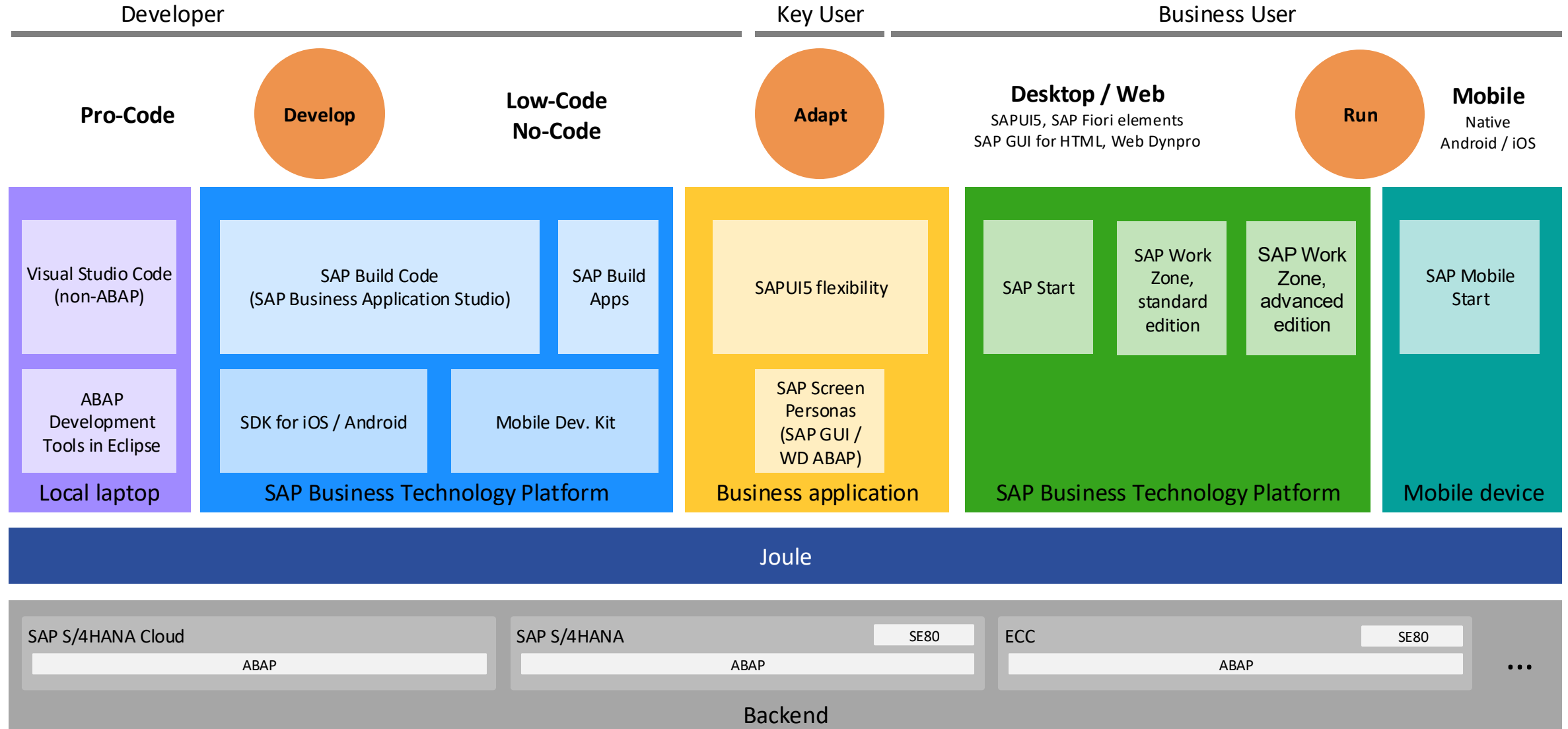
[SAP Fiori for Designer - Web UI Kit for Figma](#)

[SAP UX Q3/2025 Update – Parts 1-7 \(blog post series\)](#)



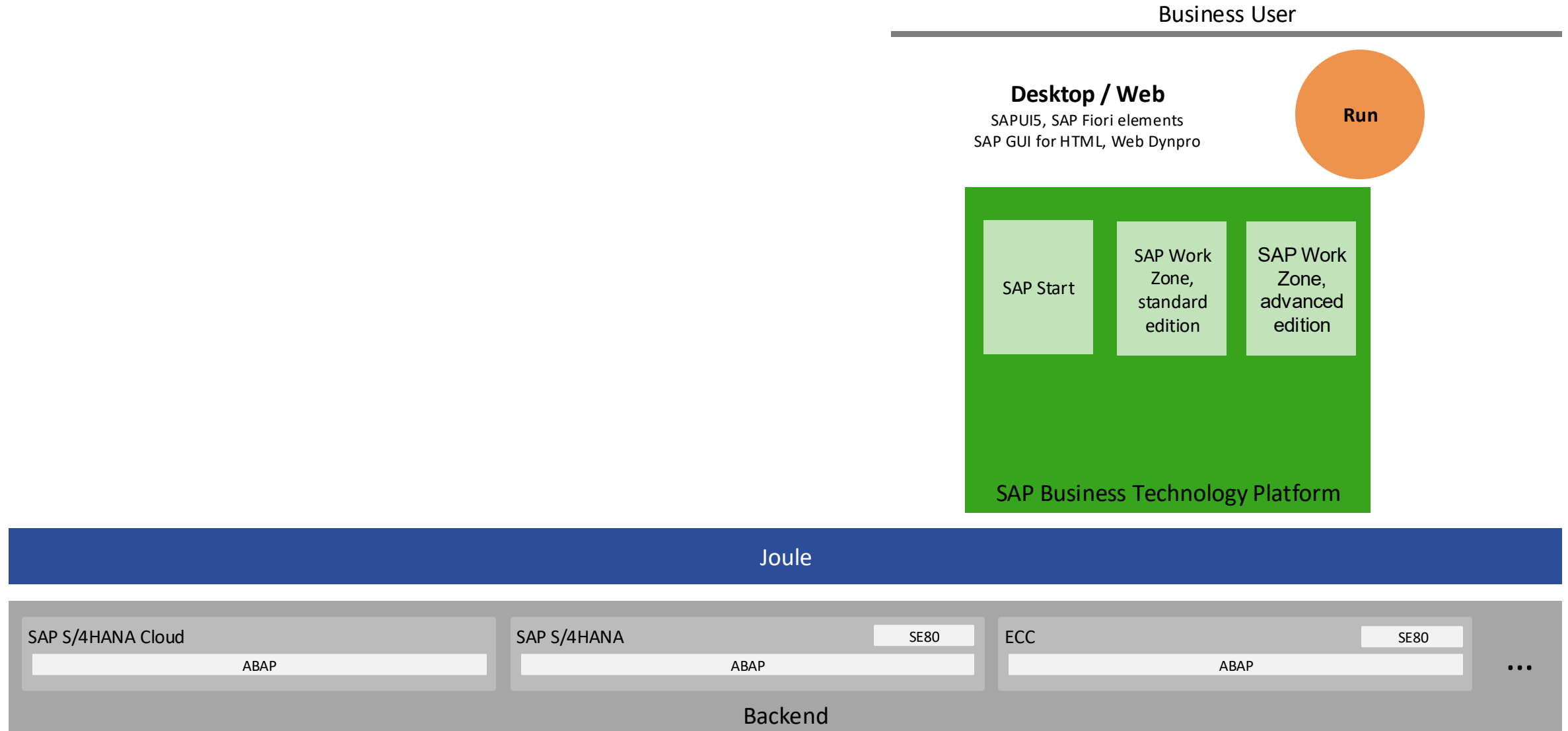
SAP Fiori user experience enabled by technologies & tools

Teaching concept



SAP Fiori user experience enabled by technologies & tools

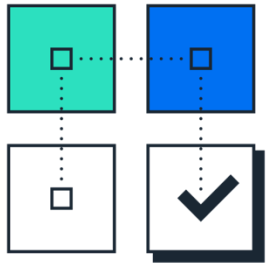
Teaching concept



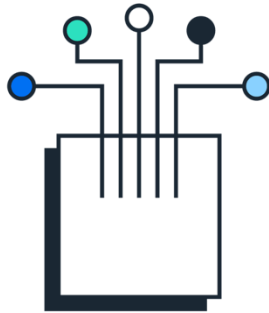
The entry point to SAP Fiori: SAP Build Work Zone



Facing the reality of a diverse and complex enterprise IT landscape



various **systems**
and **repositories**



heterogenous
(SAP and third-party)



various **content types**
and
UI technologies



hybrid setup
cloud + on premise



multi-channel
(internal, external,
mobile)



Our vision

Increase **user productivity** by intelligently providing access to **applications, processes, tasks** and **information** anywhere on any device



Easy and convenient access to SAP solutions

Cross-system entry point

Central access to apps, tasks, notifications, and (unstructured) content across multiple SAP systems and cloud solutions

Product home pages

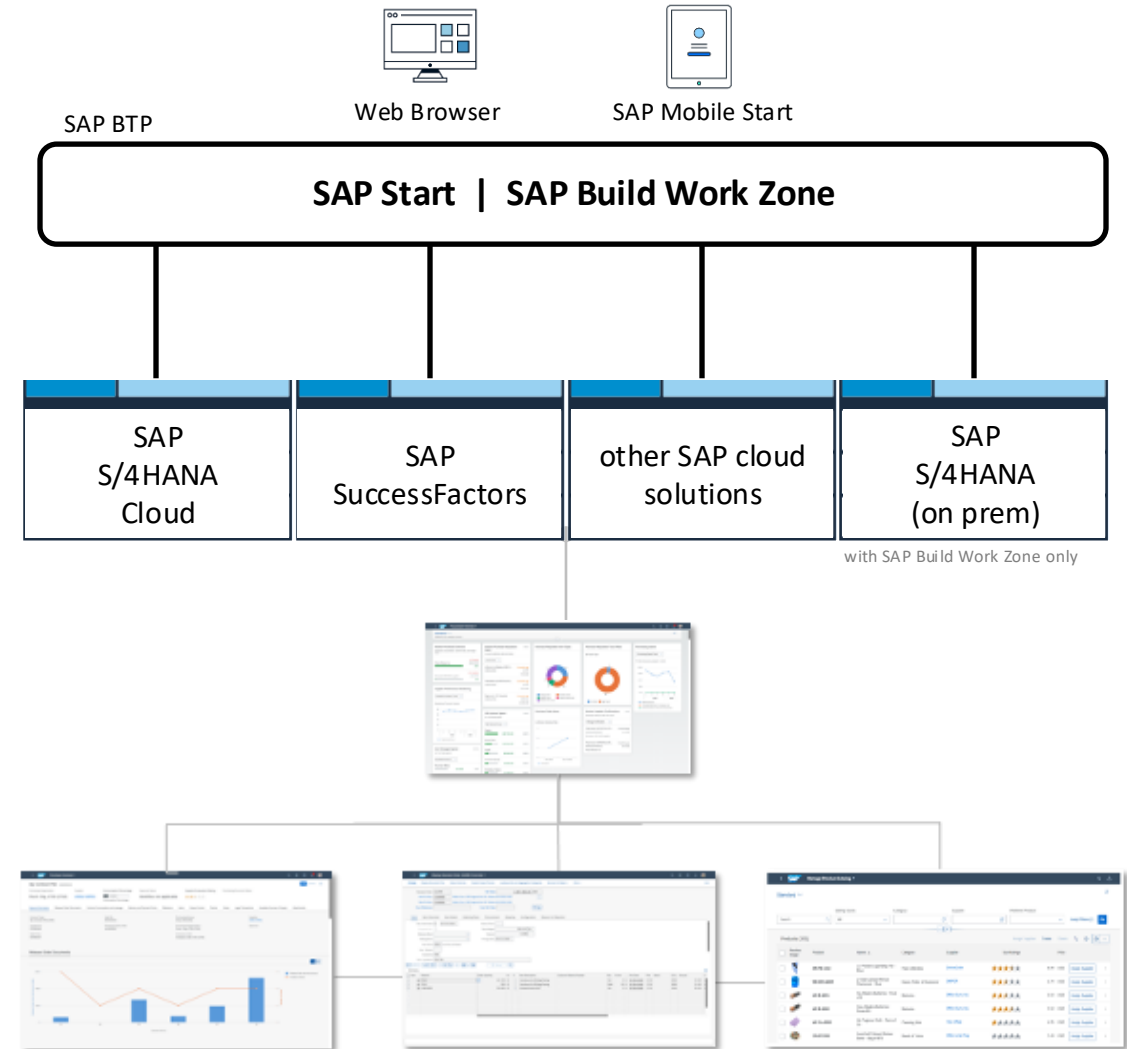
Access relevant business content within a single SAP system or cloud solution

Apps and analytics in overview pages

Organize resources per business role

Apps

Details and in-depth exploration



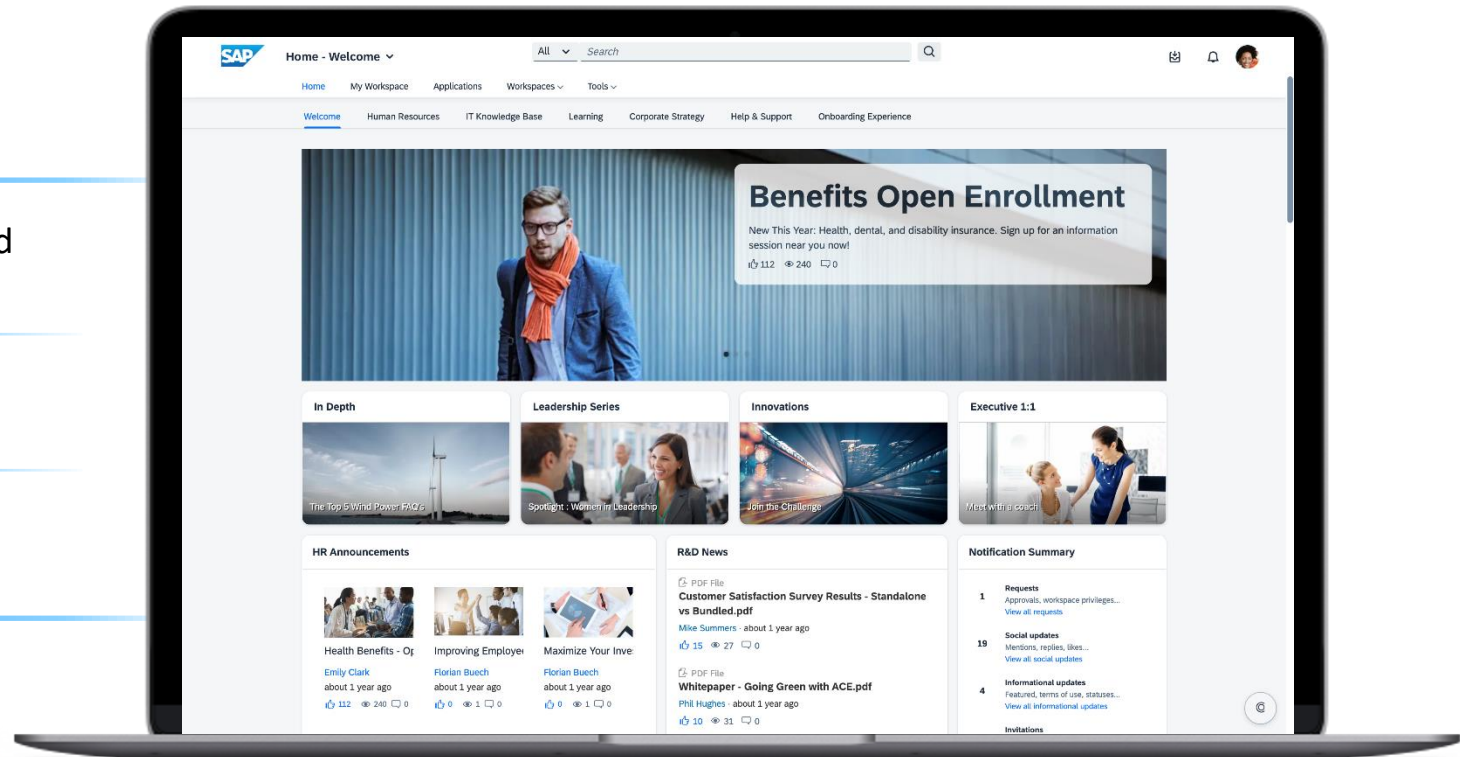
SAP Build Work Zone delivers ONE user experience across the enterprise

Create engaging sites to get work done quickly across enterprise applications

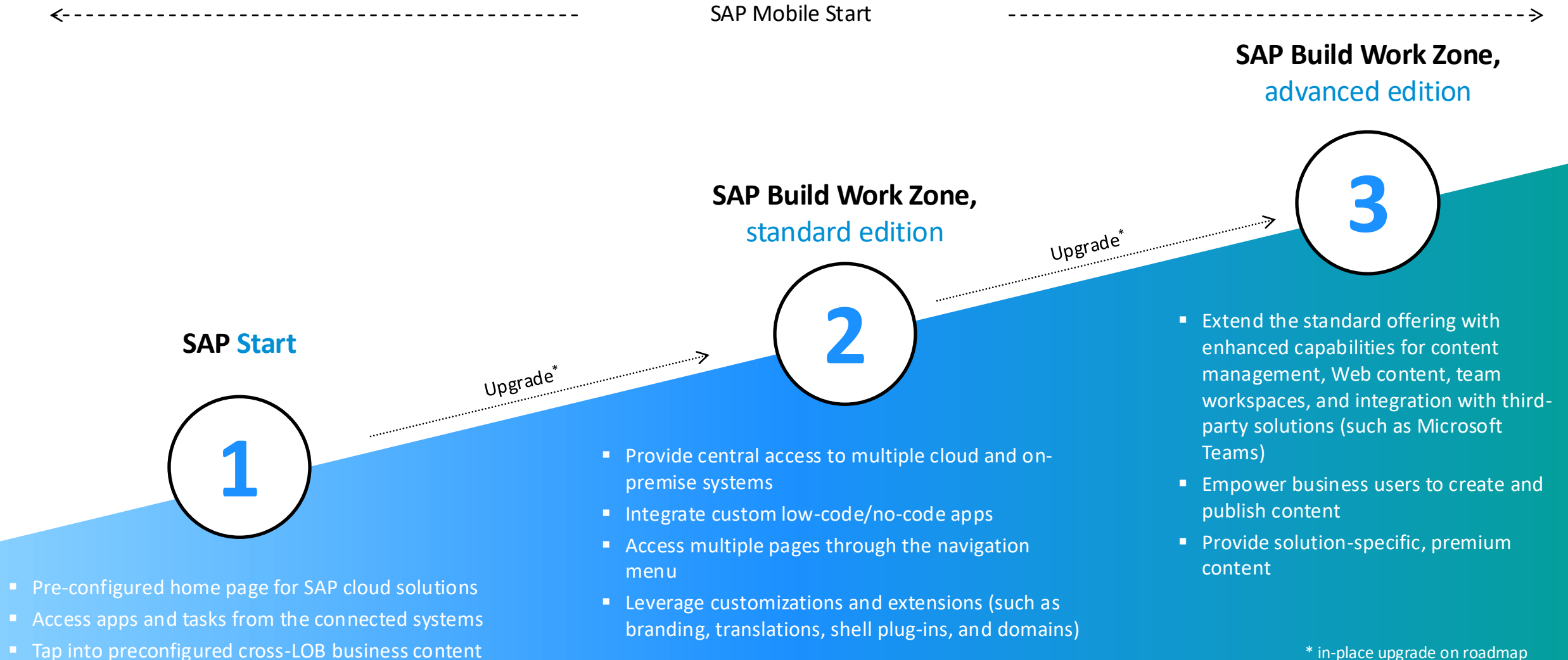
Build digital workspaces, business sites, and portals with ease.

Maximize team productivity with **guided experiences** and **knowledge sharing**.

Surface personalized recommendations, insights, and actions.



A modular offering for the central entry point from SAP



Choosing the right solution for your central entry point by SAP

SAP Start

SAP Build Work Zone, standard edition

SAP Build Work Zone, advanced edition

Cloud solutions from SAP



SAP on-premise systems and
3rd-party solutions



Customer-developed apps and
processes



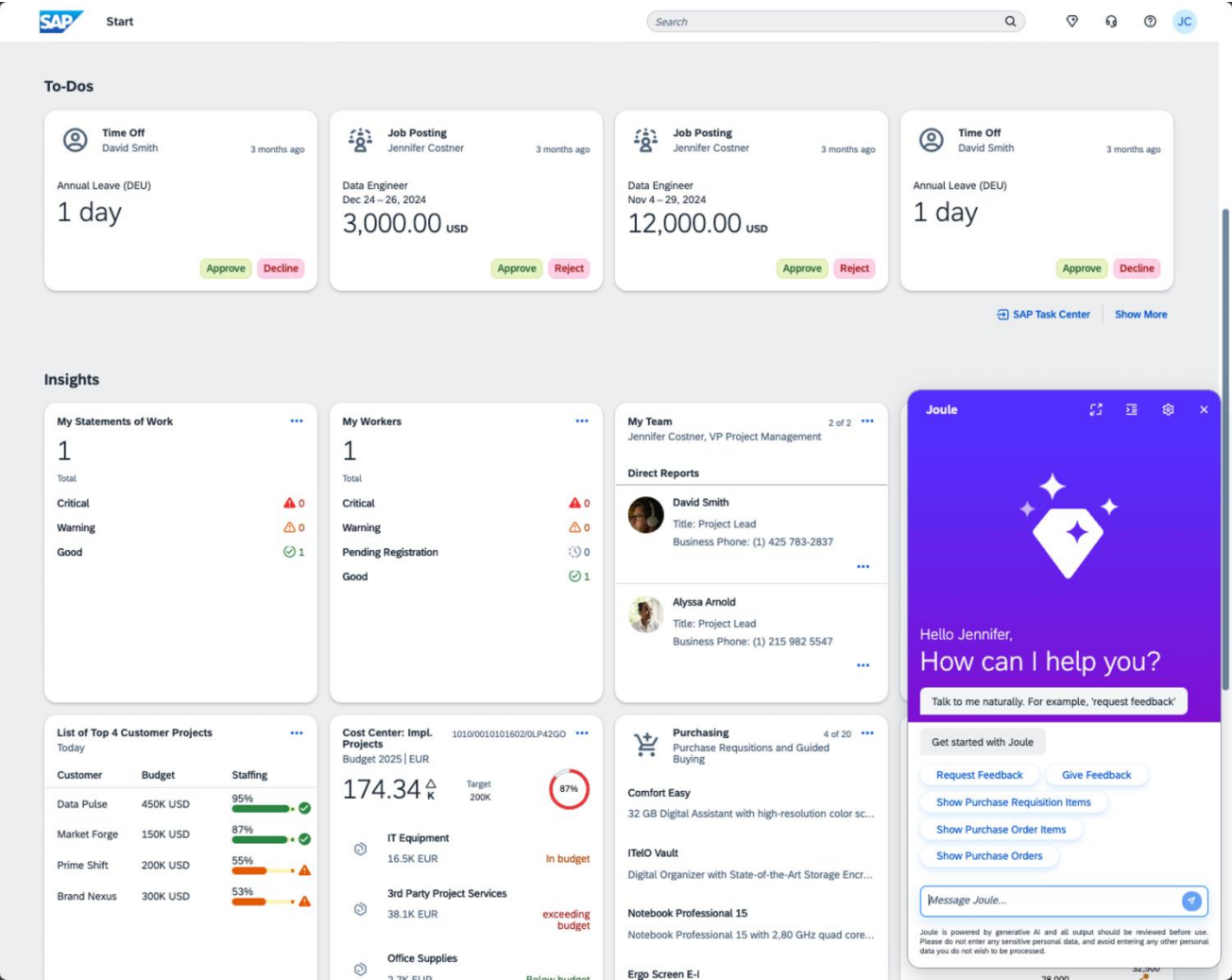
Unstructured content such as Web
content, documents, multimedia



Interactive workspaces created
by business users



Joule for SAP Build Work Zone*



Available today (plugin & search)

Availability in **SAP Start**

Availability in SAP Build Work Zone,
standard edition

Integration Roadmap

Availability in SAP Build Work Zone,
advanced edition

Availability in SAP **SuccessFactors** Work
Zone

Joule is currently supported for SAP Start & SAP Build Work Zone, standard edition.

The entry point to SAP Fiori: SAP Build Work Zone

[SAP Build Work Zone \(Getting Started / Tutorials\)](#)

[Set Up SAP Build Work Zone, standard edition Using a Trial Account](#)

[SAP Fiori Deployment Options and Landscape Recommendations](#)



The Strategic UI technology of SAP Fiori: **SAPUI5**



SAPUI5 is SAP's standard UI framework of choice

Consistent UX

SAPUI5 enables the SAP Fiori design evolution across SAP solutions (and beyond).

Use anywhere

SAPUI5 allows single, responsive app implementations for browsers, platforms, and devices.

Enterprise UI elements

and UI integration cards to build professional UIs, SAP Web Components to cover all Web technology stacks.

Flexible tools

for any developer: SAPUI5 comes with tools to efficiently build, test, and deploy apps, including SAP Build Code.

Innovations

SAPUI5 brings a clear separation of apps and framework to centrally innovate while staying upgrade-compatible.

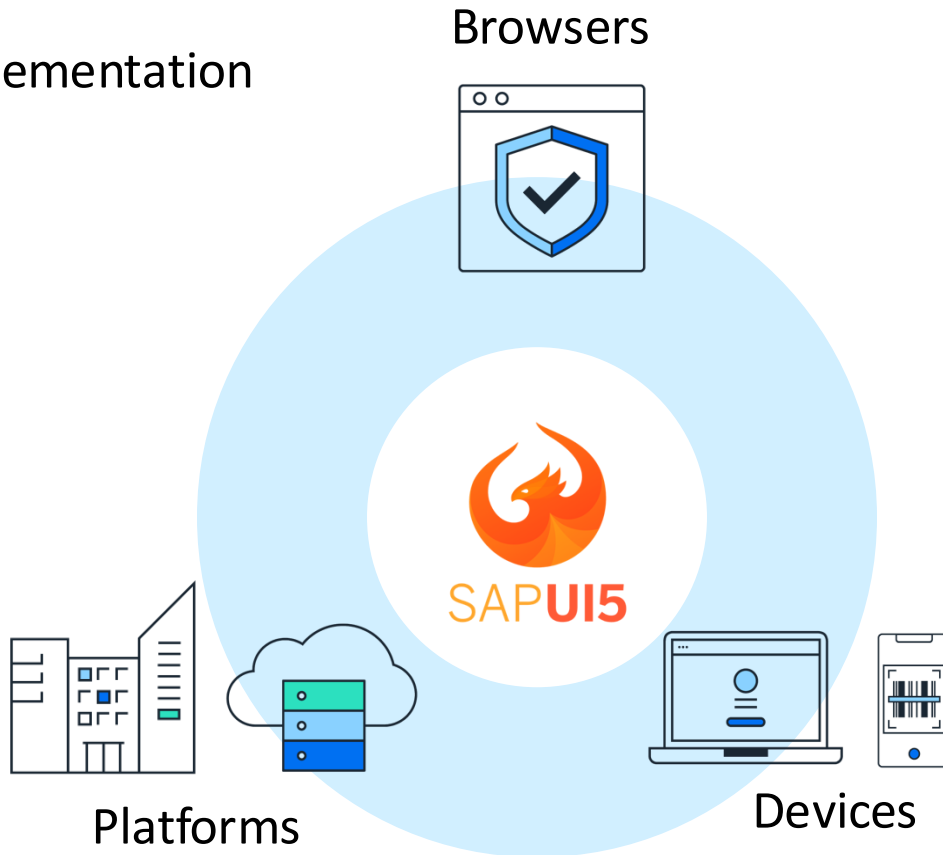
Powerful extensibility

Customers/partners can adapt SAP standard apps and customize UIs with/without coding.

SAPUI5 applications

A single app implementation for all

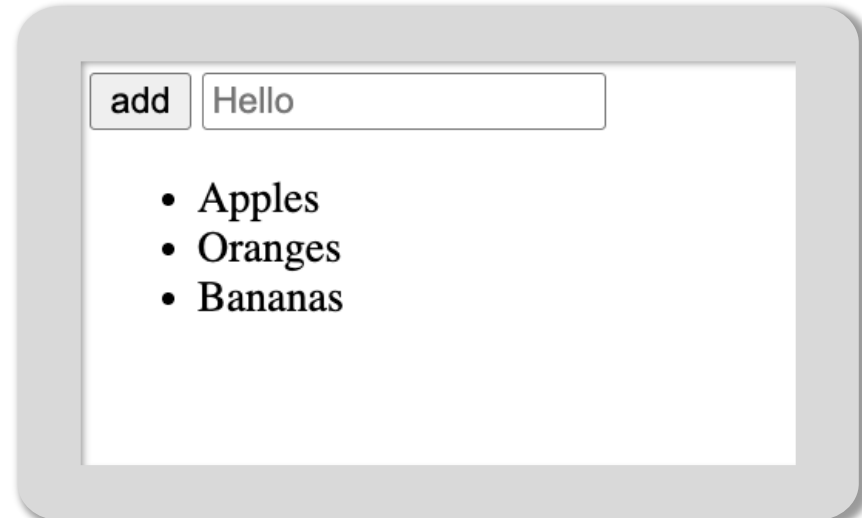
- Browsers
- Platforms
- Devices



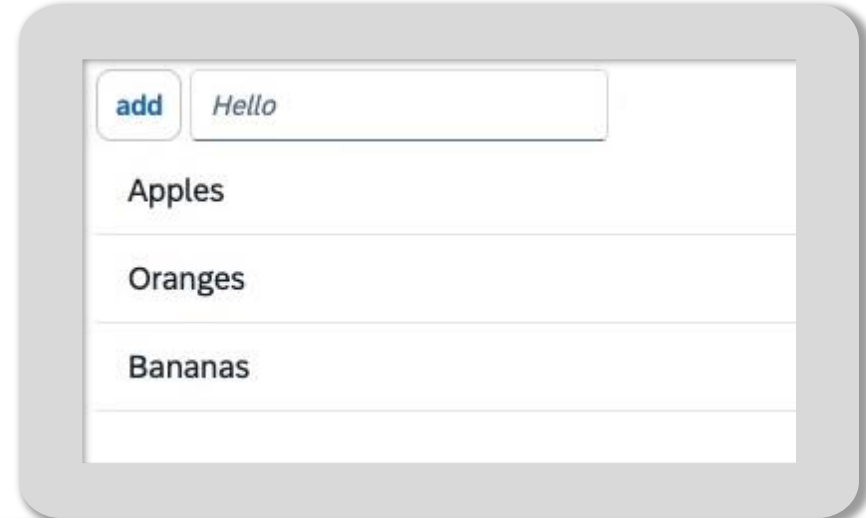
[SAPUI5 Browser and Platform Support](#)



SAP Web Components: Using SAPUI5 capabilities in any programming model



```
<body class="sapUiBody">
  <button>add</button>
  <input placeholder="Hello"></input>
  <ul>
    <li>Apples</li>
    <li>Oranges</li>
    <li>Bananas</li>
  </ul>
</body>
```



```
<body class="sapUiBody">
  <ui5-button>add</ui5-button>
  <ui5-input placeholder="Hello"></ui5-input>
  <ui5-list>
    <ui5-li>Apples</ui5-li>
    <ui5-li>Oranges</ui5-li>
    <ui5-li>Bananas</ui5-li>
  </ui5-list>
</body>
```

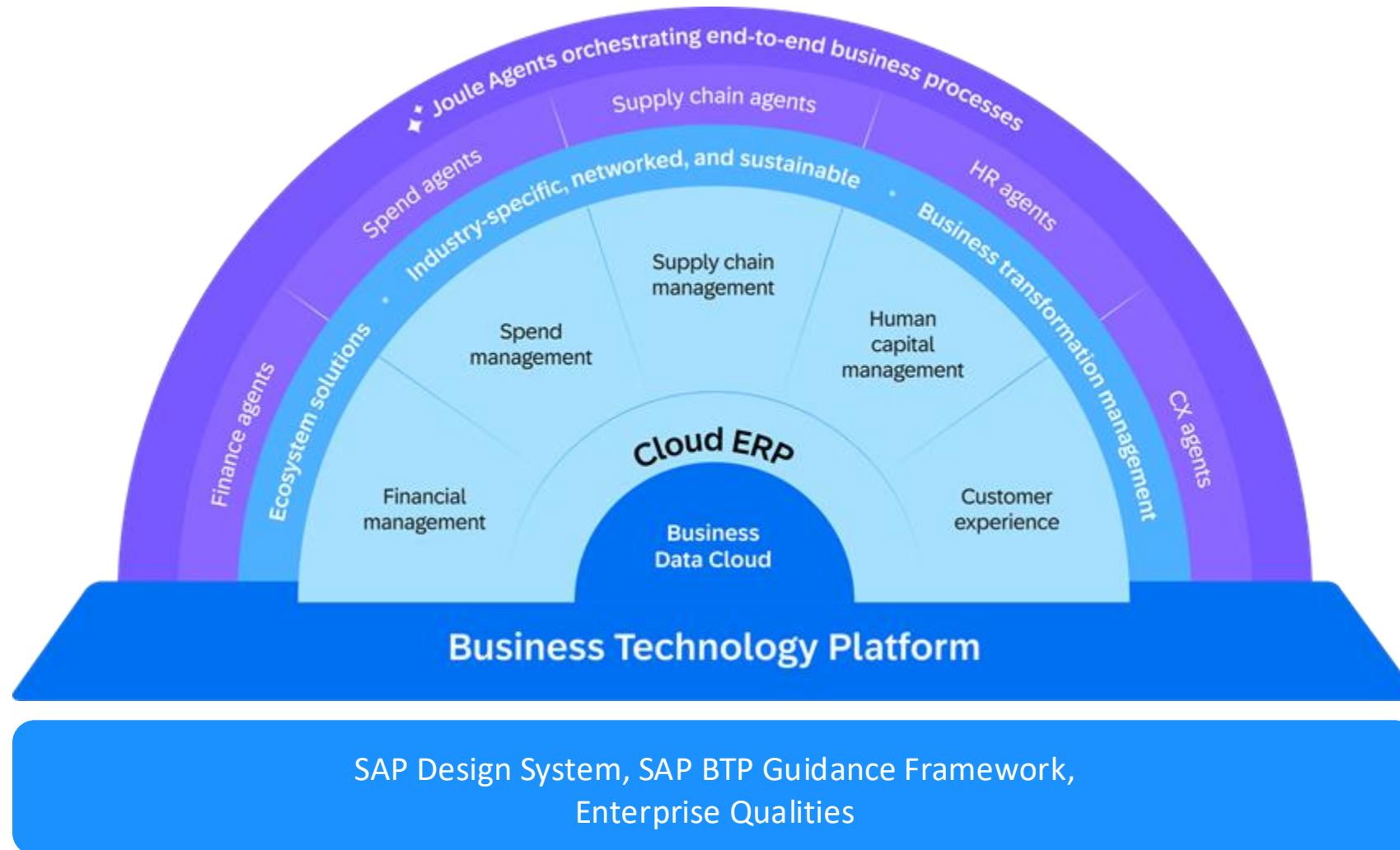
Angular

React

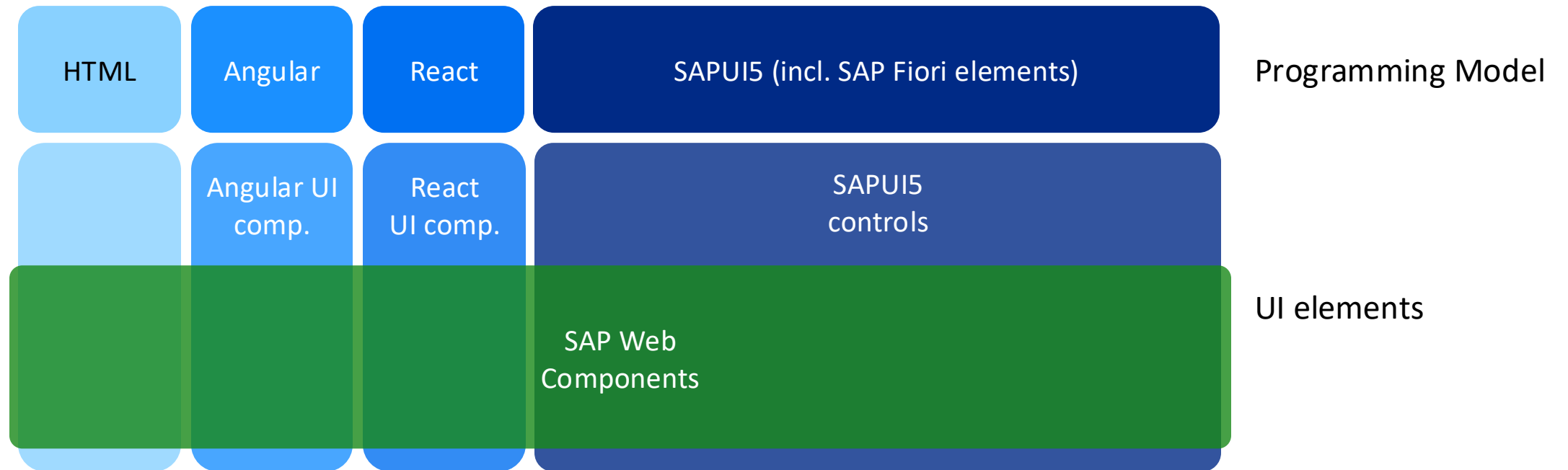
Vue

...

A consistent and smooth UX across SAP's products



A consistent and smooth UX across SAP's products



Smooth integration of SAP Web Components into SAPUI5

SAPUI5 app

<SAPUI5 control>

<SAPUI5 control>

<SAPUI5 control>

<SAPUI5 control

SAP Web Component

<SAPUI5 control>

<SAPUI5 control>



How you do it

- Use SAP Web Components in SAPUI5 apps.
- Consume just like regular SAPUI5 controls.

Why you do it

- SAP Web Components are strategic UI elements for Web technology stacks.
- Benefit from SAPUI5 framework features for SAP Web Components.

SAPUI5 is SAP's standard UI framework of choice



Completed Evolution of UI elements

We are concluding the evolution of UI elements by bringing together SAP Web Components and SAPUI5.



Proven UI controls

SAP Web Components enrich existing control sets across ALL frameworks and existing apps.



Strong SAP Web Components

The reference implementation of new UI elements, open for inner source contributions.



Standard SAPUI5

SAPUI5 is the standard UI framework, supported and delivered to all SAP solutions.



How SAPUI5 apps benefit

- Get latest design and innovations 'for free'
- UX consistency across the portfolio
- A single standard technology scales innovations
- A single reference implementation for any technology stack
- Minimal cost/effort for adopting new standards
- Following SAP guidelines and modern Web standards

The Strategic UI technology of SAP Fiori: SAPUI5

[What is SAPUI5?](#)

[SAPUI5 Demo Kit \(https://ui5.sap.com\)](https://ui5.sap.com)

[Get Started: Setup, Tutorials, and Demo Apps](#)

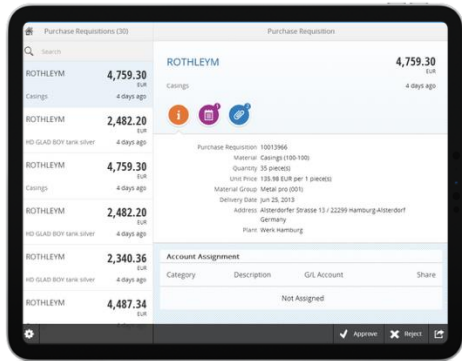
[SAPUI5 Community](#)



Efficiently developing SAPUI5 apps: SAP Fiori elements



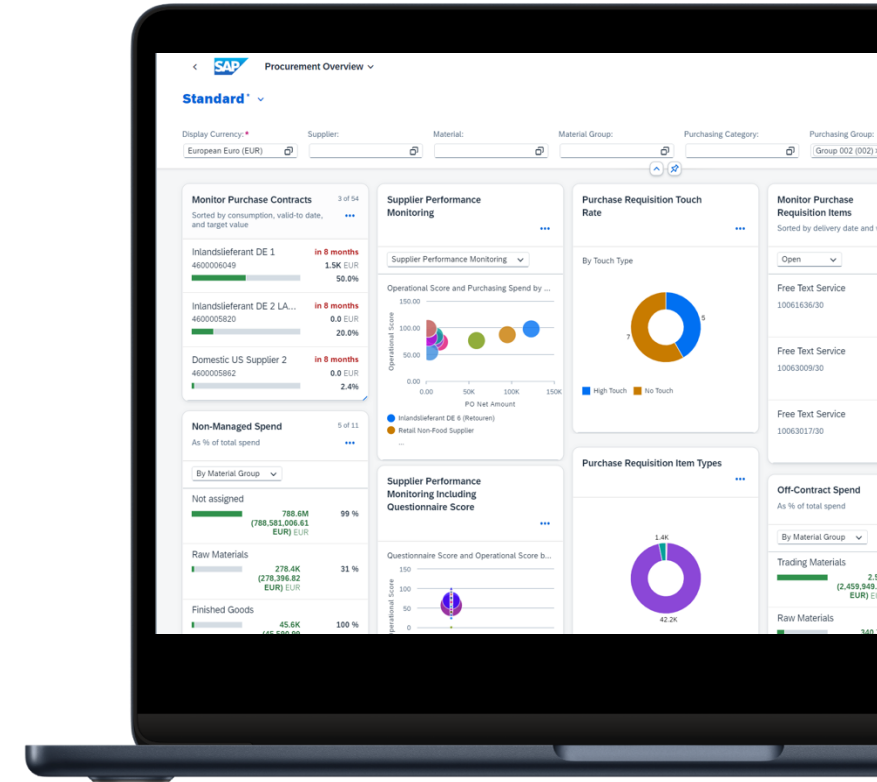
The need to scale better UX led to SAP Fiori elements and SAP Fiori tools



2013
Tens of SAP Fiori apps

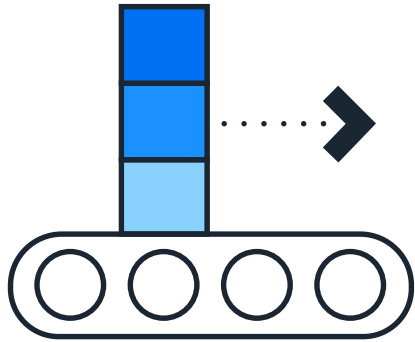


2016
Hundreds of SAP Fiori apps



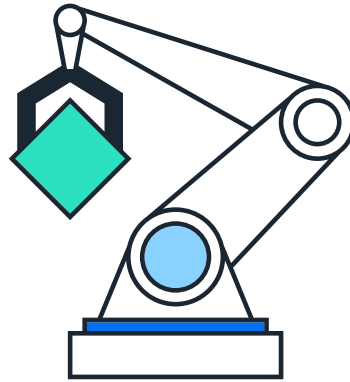
Today
Thousands of SAP Fiori apps

SAP Fiori elements makes it faster and easier to build SAPUI5 apps



Boosts Developer Productivity

Build SAP Fiori apps faster and more easily than manually coding by using the same framework that SAP uses.



Drives UX Consistency

Spend more time on the business logic to implement business needs and less time coding the UI since the framework provides the UI.



Enables Enterprise Readiness

Give your business users the enterprise-grade functionality they expect without having to develop it yourself.

SAP Fiori elements enables enterprise-ready apps out of the box

Variant management

Search

Data Lists

Enterprise readiness features

- ✓ Accessibility
- ✓ Internationalization
- ✓ Mobile compatibility
- ✓ Responsiveness
- ✓ Performance optimizations
- ✓ Integration
- ✓ Security checks
- ✓ Lifecycle stability
- ✓ Test automation support ... and more

Sorting

Filtering

Actions

Personalization

Export to Excel

Object Details

The screenshot displays the 'Manage Outbound Deliveries' SAP Fiori app. At the top, there's a header with the SAP logo and a 'Standard' variant selector. Below the header are search and filter fields. The main area shows a table of deliveries with columns for Delivery Document, Picking Date, Priority, Picking Status, and Confirmation Status. A table with 10 rows is visible, showing various delivery documents and their statuses. To the right of the table are action buttons like 'Post GI', 'Reverse GI', and 'Adapt Filters'. Below the table, there's a section for 'Object Details' for a specific delivery document (80003333), showing various fields like Sales Organization, Document Date, Gross Weight, Net Weight, Volume, Delivery Type, Route, and various dates and statuses.

Delivery Document	Picking Date	Priority	Picking Status	Confirmation Status
6000301	09/14/2022		Not Relevant	Not Relevant
80003333	06/08/2022		Completely Processed (C)	Not Relevant
80003335	06/08/2022		Completely Processed (C)	Not Relevant
80003340	06/08/2022		Completely Processed (C)	Not Relevant
80003342	06/08/2022		Completely Processed (C)	Not Relevant
80003345	06/08/2022		Completely Processed (C)	Not Relevant
80003346	06/08/2022		Completely Processed (C)	Not Relevant
80004018	06/09/2022		Completely Processed (C)	Not Relevant
80004411	06/09/2022		Completely Processed (C)	Not Relevant
80004414	06/09/2022		Completely Processed (C)	Not Relevant
80004415	06/09/2022		Completely Processed (C)	Not Relevant

80003333
Outbound Delivery

Ship-to Party: Electronic Media (UAE) (533103032) Overall Status: In Process Delivery Date: 06/14/2022
Sold-to Party: Electronic Media (UAE) (533103032) Shipping Point: Shipping Point 3310 (3310)

General Information Items Business Partners Output Process Flow Attachments

Sales Organization: Dom. Sales Org AE (3310) Document Date: 06/08/2022 Picking Status: Fully Picked (C)
Gross Weight: 364.600 KG Picking Date: 06/08/2022 Warehouse Management Status: No WM Trnsf Ord Reqd
Net Weight: 310.800 KG Transport Planning Date: 06/13/2022 Pick Confirmation Status: Not Sub. to Confirm.
Volume: 0.000 - Loading Date: 06/13/2022 Packing Status: Packing Not Required
Delivery Type: Outbound Delivery (LF) Planned Goods Movement Date: 06/14/2022 Goods Movement Status: Not Yet Started
Route: - Actual Goods Movement Date: - Product Marketability Status: OK - Not Relevant
Dangerous Goods Status: OK - No Dangerous Goods; Not Relevant
Safety Data Sheet Status: OK - Not Relevant

OData annotations are metadata that define attributes and relationships

How is it displayed?

SAP Fiori elements patterns

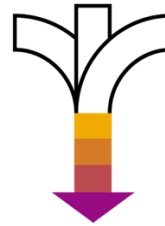
- Overview page
- List Report page
- Object page
- Analytical list page
- Worklist page



Provided by:
SAP framework development



Business data



at runtime

What is displayed?



Provided by:
Application Developers

- Semantic metadata / annotation
- Behavior
- Consumption hints

“Consumption hints”

Which fields allow a human to identify the entity?

Which fields are clickable?

Document Number	Company	Posting Date	Amount (Local Currency)
10223882001820	Jolaga	11/15/19	12,897.00 EUR
10223882001820	DelBont Industries	11/15/19	234,197.00 EUR
10223882001820	Jolaga	11/15/19	11,865.99 EUR
10223882001820	DelBont Industries	11/15/19	12,897.00 EUR

“This entity can be edited”

“This is the currency for the amount”

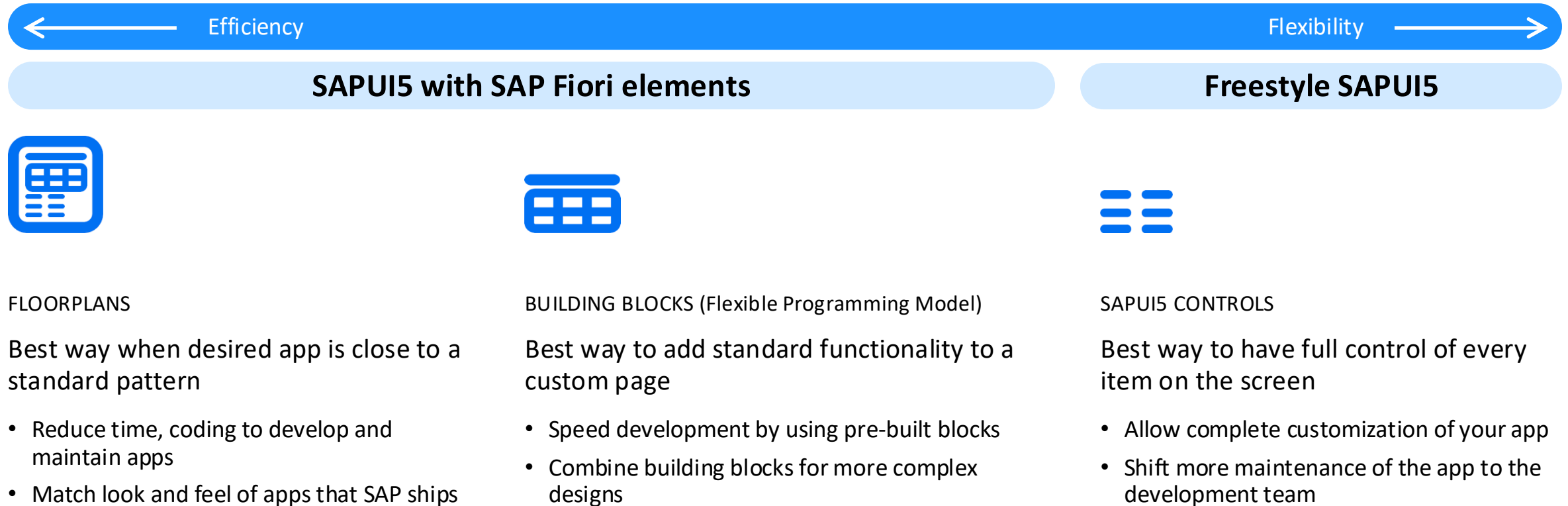
“These fields shall be displayed together in a form”

“Behavior like creatable, updatable”

Choose the right development approach for your SAPUI5 app

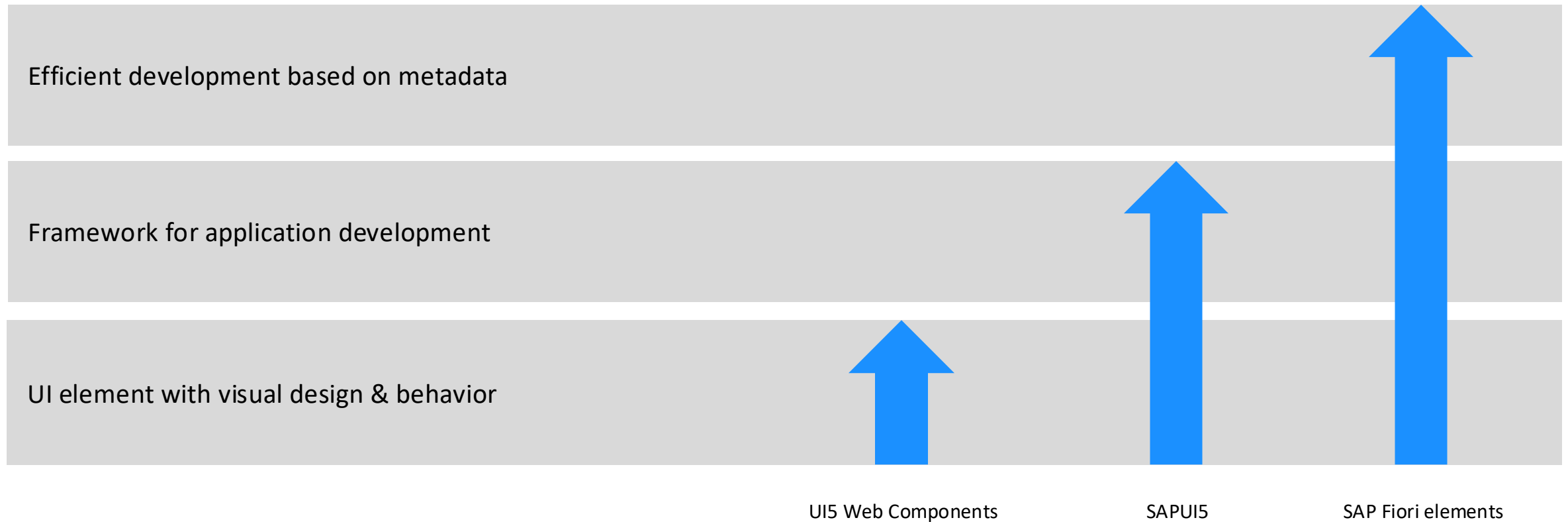
SAP Fiori elements	Overall approach	freestyle SAPUI5
Efficiency	Design requirements	Flexibility
Standard floorplans	Development knowledge	Anything you want
Annotations (XML, wizards, development guides)	App ownership / maintenance	Web development (JavaScript, HTML)
Own annotations, SAP's UI logic	Total cost of development and maintenance	Own coding, own UI logic
Lower		Higher

We offer several ways to build SAPUI5 apps



Flexible programming model lets you use as much SAP Fiori elements as possible for efficiency and as much freestyle SAPUI5 as needed for flexibility.

SAPUI5 brings scalability and flexibility to SAP Fiori app development



Efficiently developing SAPUI5 apps: SAP Fiori elements

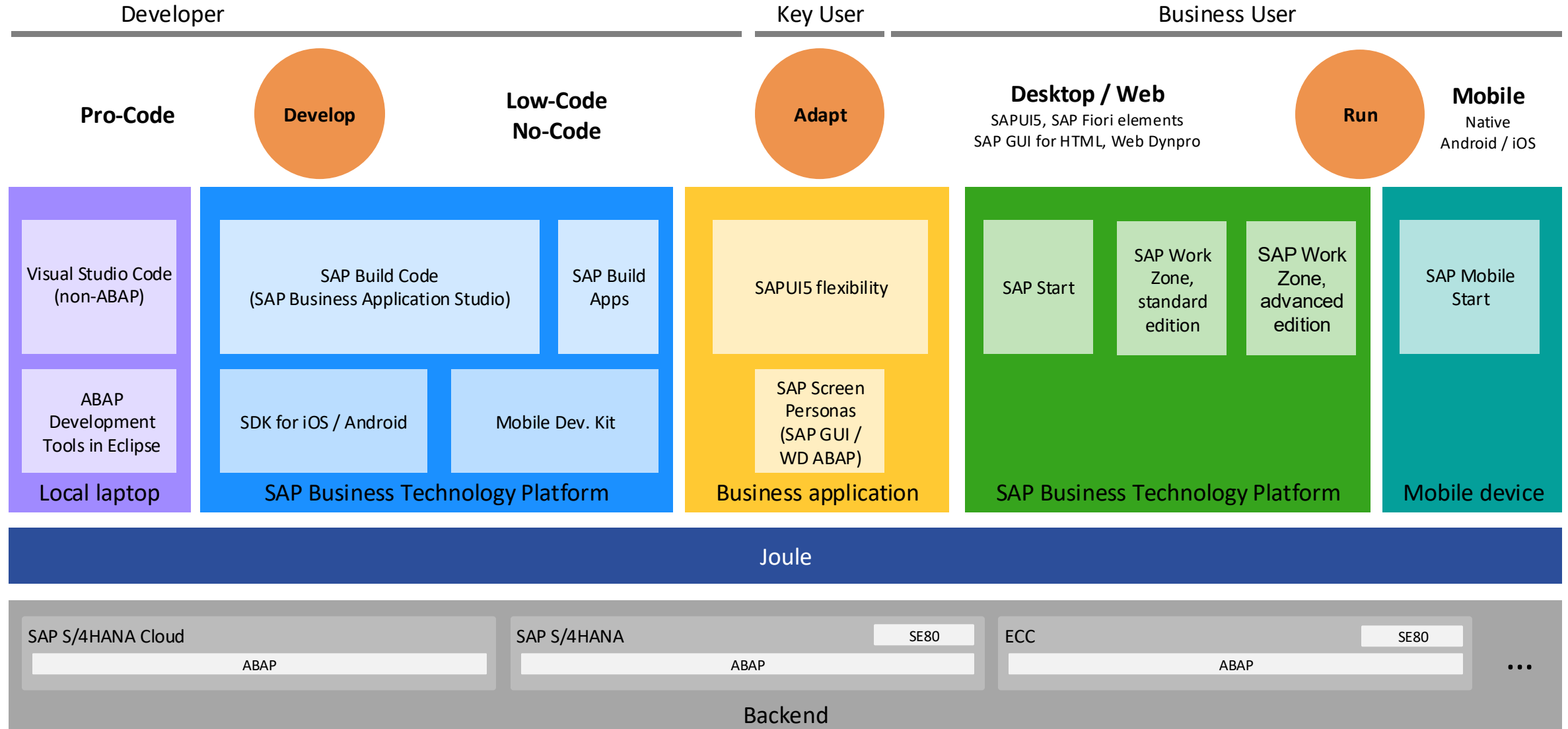
[Developing Apps with SAP Fiori elements](#)

[SAP Fiori Development Portal](#)



SAP Fiori user experience enabled by technologies & tools

Teaching concept



Thank you.

... and don't panic!

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LinkedIn: [olivergraeff](https://www.linkedin.com/in/olivergraeff)

Questions?