

Modernize SAP Fiori app development using SAP Fiori tools

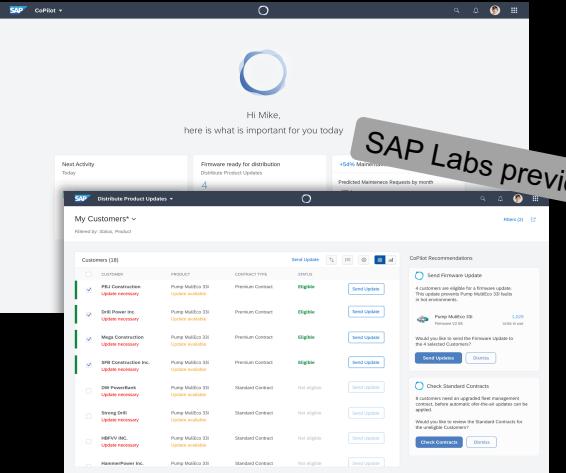
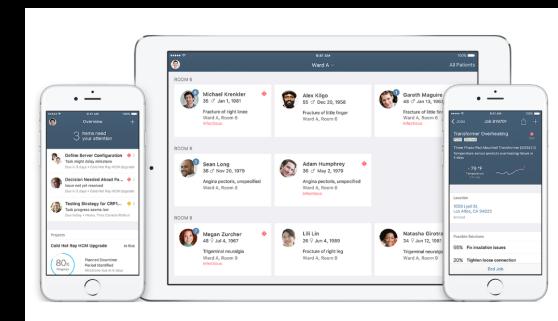
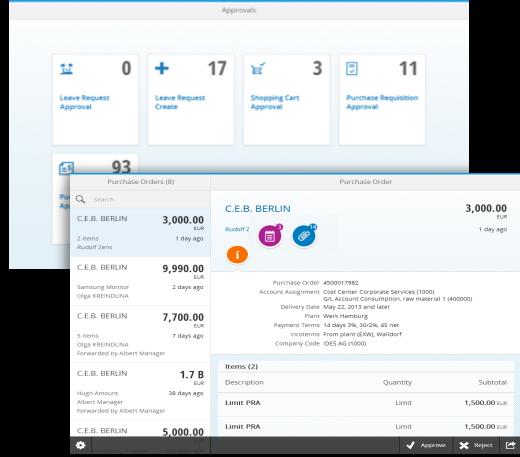
Klaus Keller, Lead Architect,
Ashley Tung, Area Product Owner
SAP Fiori tools, SAP UX Engineering
July 2020

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UI5con

Agenda

1. Introduction to SAP Fiori elements
2. Demo - SAP Fiori elements Overview Page (OVP) application
3. Introduction to SAP Fiori tools
4. Demo - Developing List Report Object Page (LROP) and navigation from OVP to LROP
5. Summary

SAP Fiori guidelines are evolving



SAP Fiori
2013

SAP
Fiori 2.0
2016

SAP
Fiori 3
2019

SAP Fiori Design guidelines: <https://experience.sap.com/fiori-design/>

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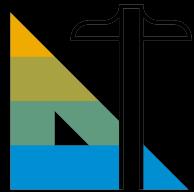
SAP Fiori elements boosts SAPUI5 development efficiency



Developer Productivity

Standard page types allow developers to:

- Focus on business logic and back-end services
- Write less UI code
- Reuse templates to reduce maintenance costs



UX Consistency

App generation at runtime applying the latest SAP Fiori Design guideline ensures:

- A centrally managed user experience
- Uniform layout, navigation, search, filtering, etc.
- Out-of-the box forward compatibility



Enterprise Readiness

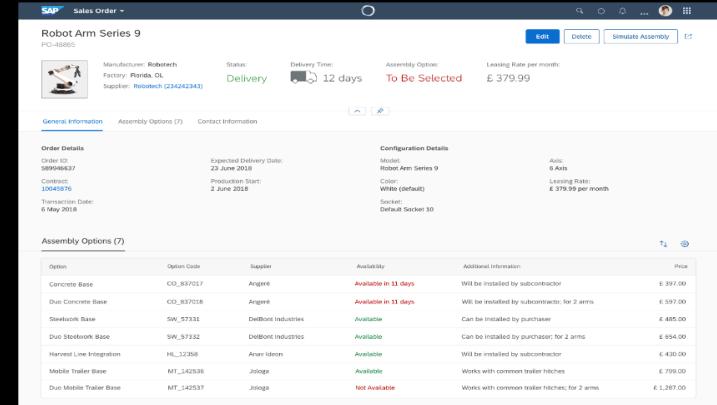
Organizations can rapidly and consistently:

- Deliver high quality SAPUI5 applications to end-users
- Ensure stable, optimized UI code out of the box
- Benefit from best practices to scale app creation

SAP Fiori elements: Scaling UX with a metadata-based approach

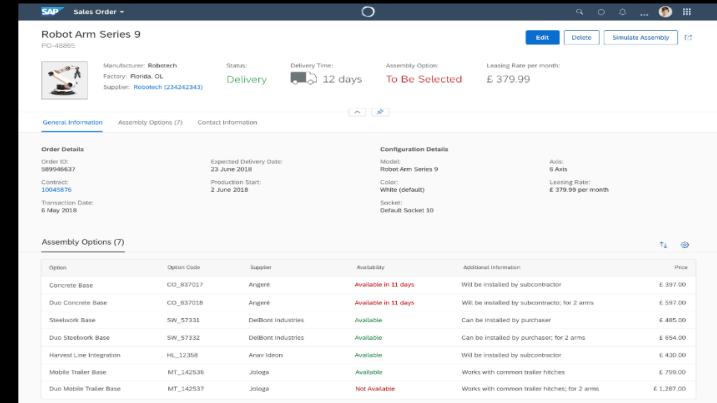
Metadata-driven development is faster and easier

OData service + Standard page types + Annotations



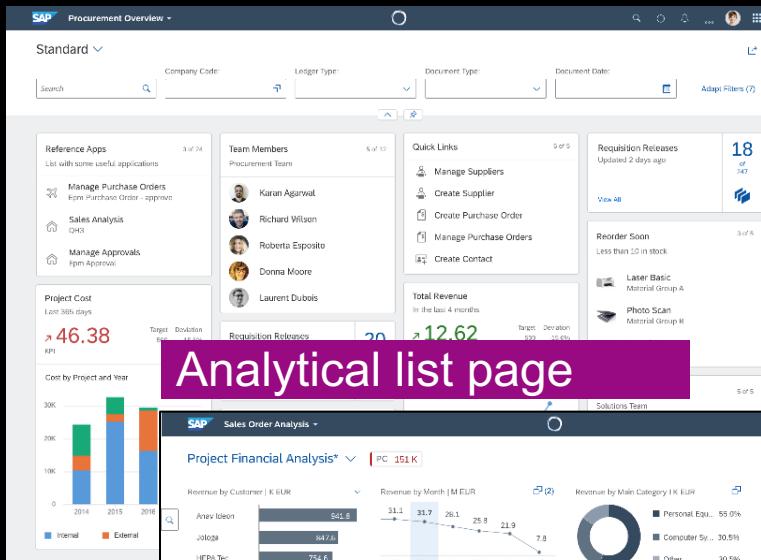
Freestyle UI5 development requires more development skills

OData service + Screen definition + UI code
(layout, UI elements, data binding, ...) + (event handling, behavior, navigation, ...)

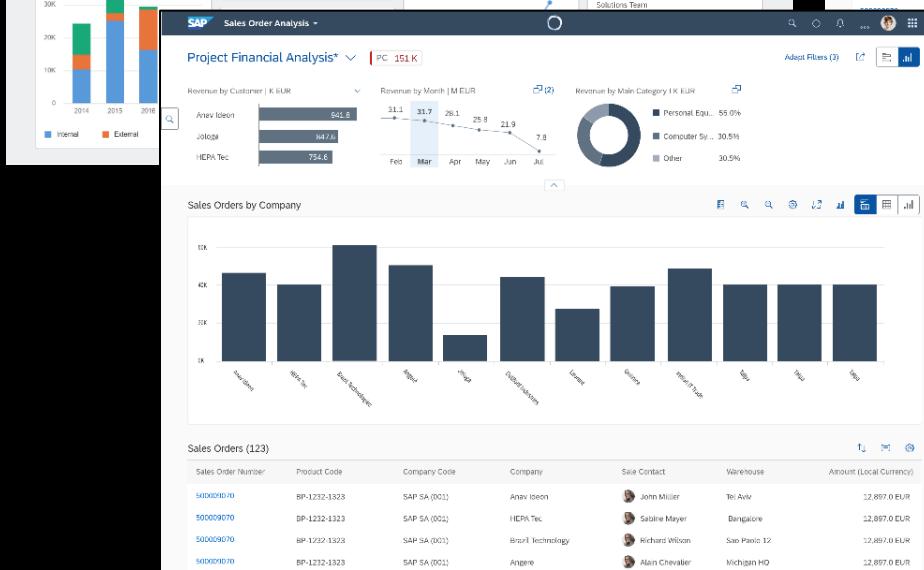


Create your app using predefined SAP Fiori page types

Overview page



Analytical list page



List report page

Sales Orders (18)						
Sales Order Number	Product Code	Company Code	Company	Sale Contact	Warehouse	Amount (Local Currency)
50009070	BP-1232-1323	SAP SA (001)	Anav Ideon	John Miller	Tel Aviv	12,897.0 EUR
50009070	BP-1232-1323	SAP SA (001)	HEPA Tec	Sabine Mayer	Bangalore	12,897.0 EUR
50009070	BP-1232-1323	SAP SA (001)	Brazil Technology	Richard Wilson	Sao Paulo 12	12,897.0 EUR
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Object page

Robot Arm Series 9 PO-48865						
Manufacturer:	Robotech					
Factory:	Florida, FL					
Supplier:	Robotech (234242343)					
Status:	Delivery					
Delivery Time:	12 days					
Assembly Option:	To Be Selected					
Leasing Rate per month:	£ 379.99					
General Information						
Order ID:	589946837					
Contract:	10045876					
Production Start:	2 June 2018					
Transaction Date:	6 May 2018					
Configuration Details						
Model:	Robot Arm Series 9					
Axes:	6 Axis					
Color:	White (default)					
Socket:	Default Socket 10					
Assembly Options (7)						
Option	Option Code					
Concrete Base	CO_637017					
Angere	Available in 11 days					
DeBont Industries	Available					
DelBont Industries	Available					
Anav Ideon	Available					
Jologa	Available					
Jologa	Not Available					
Worklist page						
My Worklist						
All Locations	Europe	America	Asia			
Sales Orders (18)						
Sales Order Number	Product Code	Company Code	Company	Sale Contact	Warehouse	Amount (Local Currency)
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Demo



SAP Fiori elements apps

Overview Page

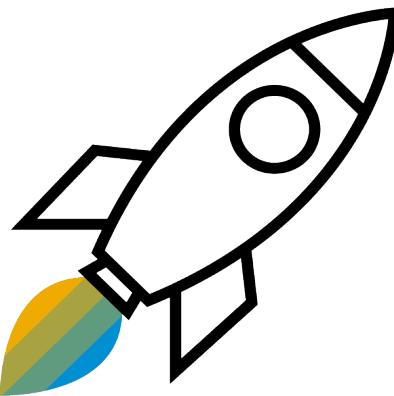
tab preview

Agenda

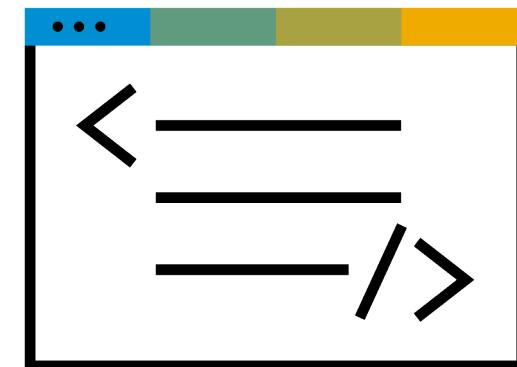
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3 things to remember about SAP Fiori tools

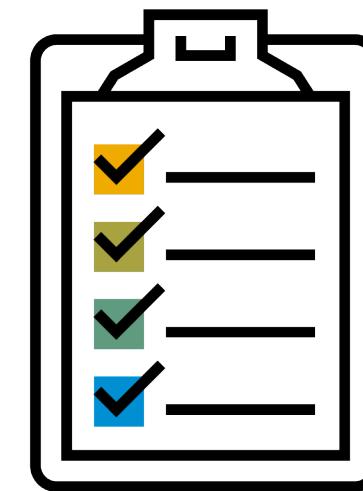
1. SAP Fiori tools
accelerates app
development



2. SAP Fiori tools
promotes metadata-
driven UI principles



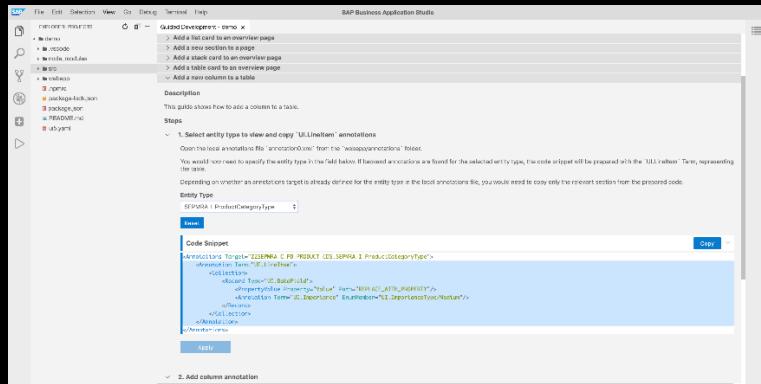
SAP Fiori tools guides
development tasks to
reduce coding



SAP Fiori tools runs either in the cloud or on-premise

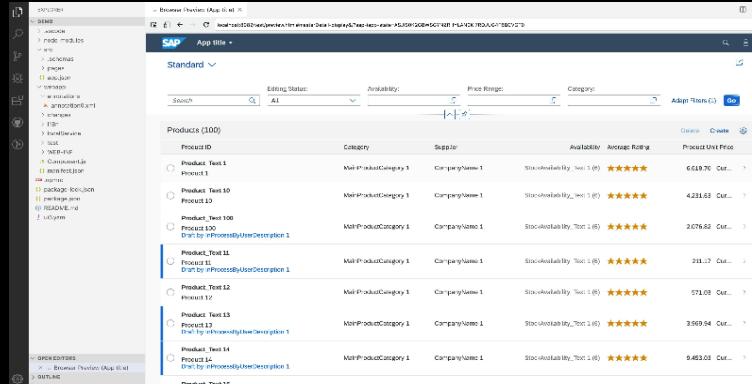
SAP Business Application Studio - Fiori extensions (recommended)

- Provides a modern, maintenance-free, preconfigured, hosted environment, optimized for SAP developers. Offline development option* is planned.
- Can be centrally administrated with tools repositories, systems access and company policies
- Integrates with existing SAP solutions, systems & services
- Easy access to Visual Studio Code-compatible extensions from open source Theia marketplace *



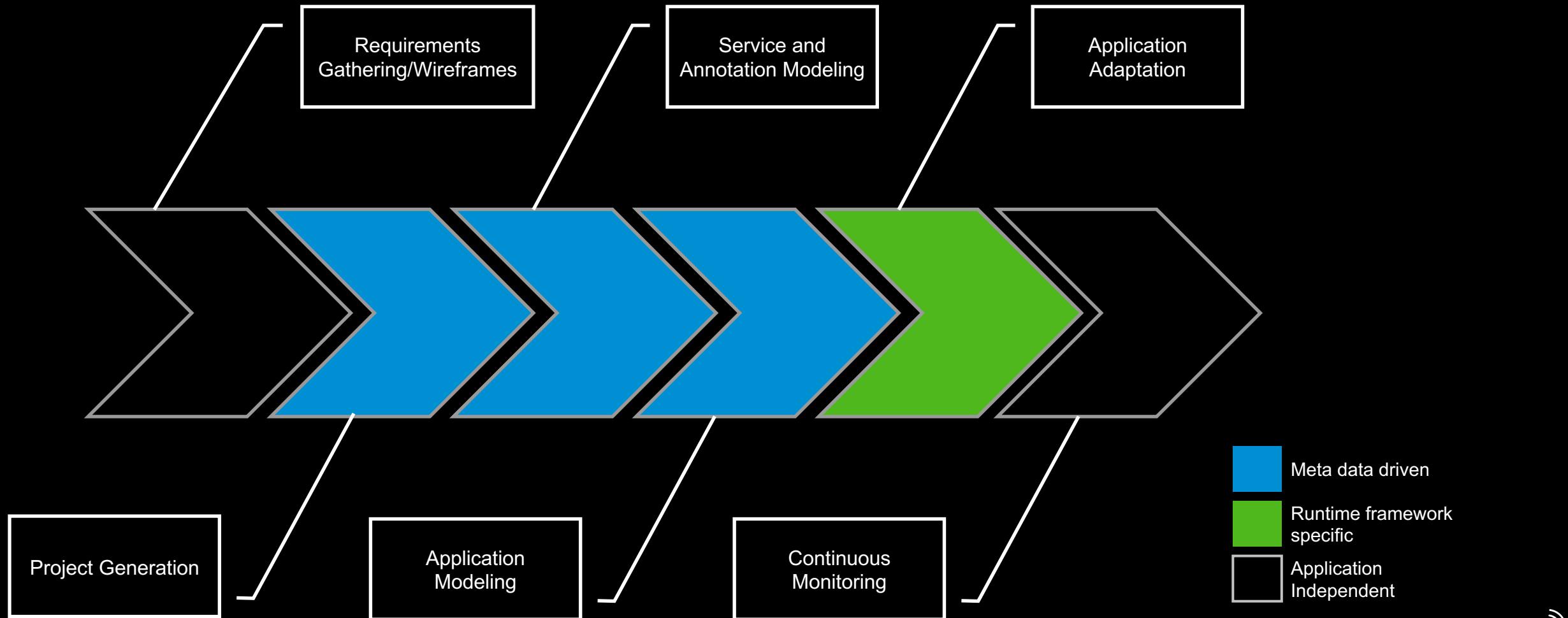
Visual Studio Code- Fiori extensions

- Provides development flexibility with offline capabilities
- Features a user-controlled, highly configurable development environment
- Allows access to thousands of extensions from the Visual Studio Code marketplace
- Is part of a fast growing open source community

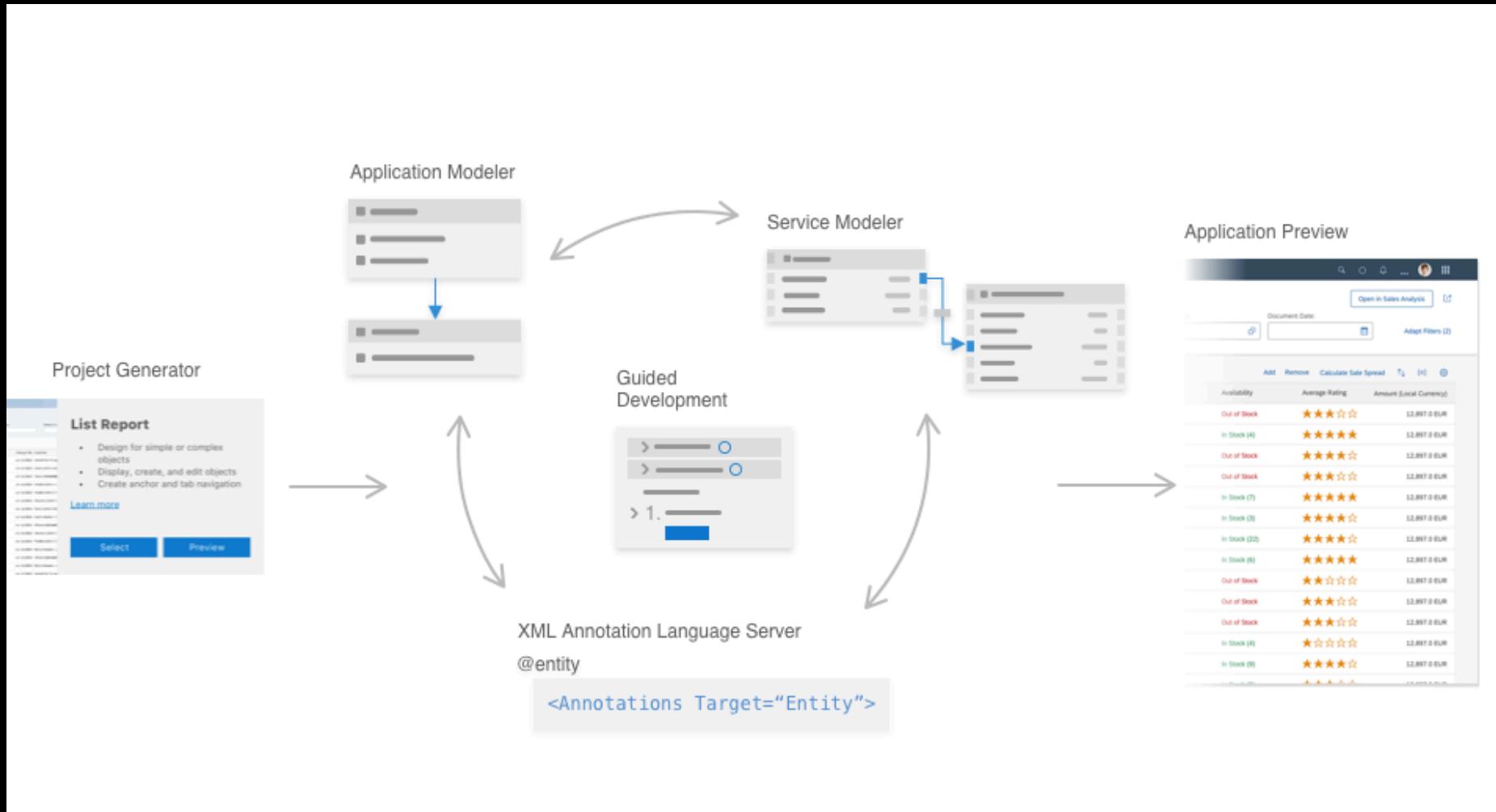


*planned

SAP Fiori tools covers every stage of development



SAP Fiori tools guides developers through the full cycle



Demo



SAP Fiori elements apps

Developing List Report Object Page (LROP)
Navigation from OVP to LROP

Tab Preview

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Key features in SAP Fiori tools

Developing Fiori elements application for OData v2 (List Report Object Page, Overview Page, Analytical List Page, Worklist)

- Project Generation (OData service, ABAP on-prem system, ABAP Cloud Environment)
- Previewing of the Application (Right click to start Preview, command “npm” start)
- Graphical Service & Annotation View
- LSP to maintaining annotations (control-space to start auto-complete feature)
- Guides to complete development task
- Deploying to ABAP backend (On-Prem & HCP)

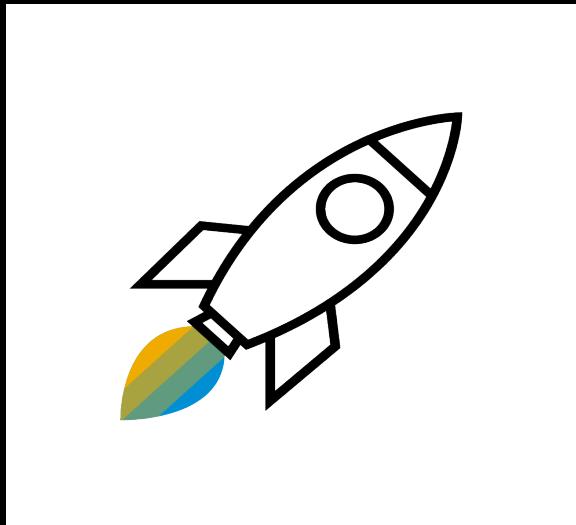
Looking Ahead

- Explore services and deploy to Cloud Foundry
- Develop SAP Fiori elements applications for OData V4 (beta starting in August)
- Generate SAP Fiori Freestyle applications in Visual Studio Code
- Creation of sample service and project from visual requirements
- Graphical outline view of the application structure and configurations
- Enhance annotation UX with navigation between annotation view in Service Modeler and annotation code editor
- CAP CDS Annotation LSP
- Guided Development as the go-to tool for help, including documentation

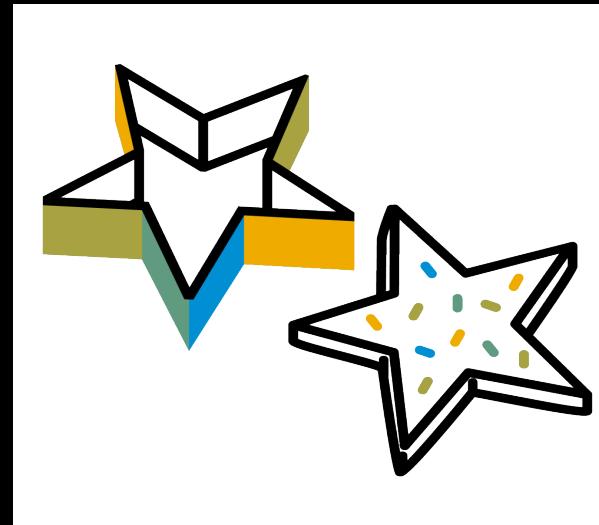
Key take-aways

3 things to remember about SAP Fiori elements & SAP Fiori tools

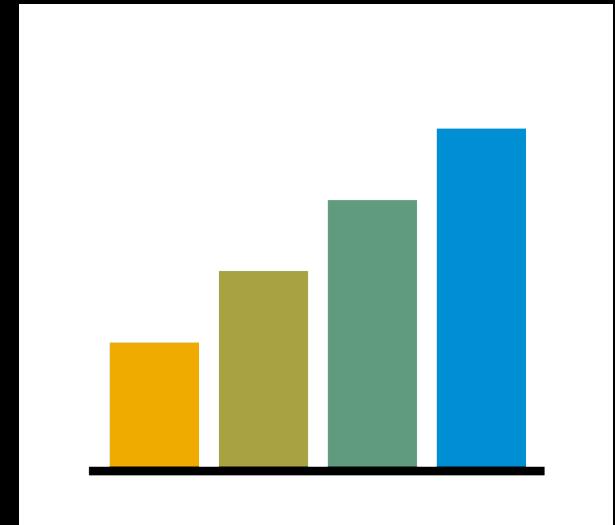
1. SAP Fiori elements & SAP Fiori tools **accelerate** app development



2. SAP Fiori elements enables **UX consistency**



SAP Fiori elements covers **80%** of app development scenarios



Learn more...

SAP Fiori tools launch announcement: www.sapfioritools.com

Sign up for SAP Fiori development newsletter: <http://eepurl.com/gKr9Mv>

Follow the SAP UX Engineering YouTube channel for video updates:
<https://www.youtube.com/channel/UC4FRdP-pm8mwIRbqOQwnPJQ>

Thank you.

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Page title

Subheadline (optional)

First level

- Second level
 - Third level
 - Fourth level
 - Fifth level