

Create Analytical SAP Fiori Apps Quickly and Efficiently

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SAP Fiori elements boosts SAP Fiori development efficiency





Enterprise Readiness

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

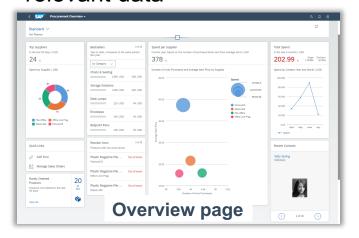
- Comply with the latest SAP Fiori design specification
- Deliver a centrally managed user experience
- Include uniform layout, navigation, search, filtering, and more

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

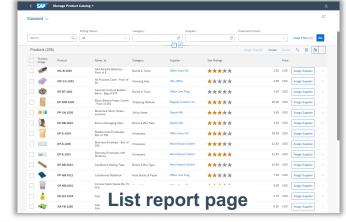
Standard page types increase developer productivity

Most use cases in the enterprise space involve providing an overview, lists of business objects and management of these business objects.

Provide overview on business relevant data

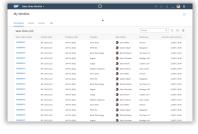


Work on a list of business objects

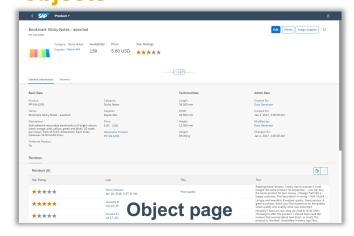




Analytical list page

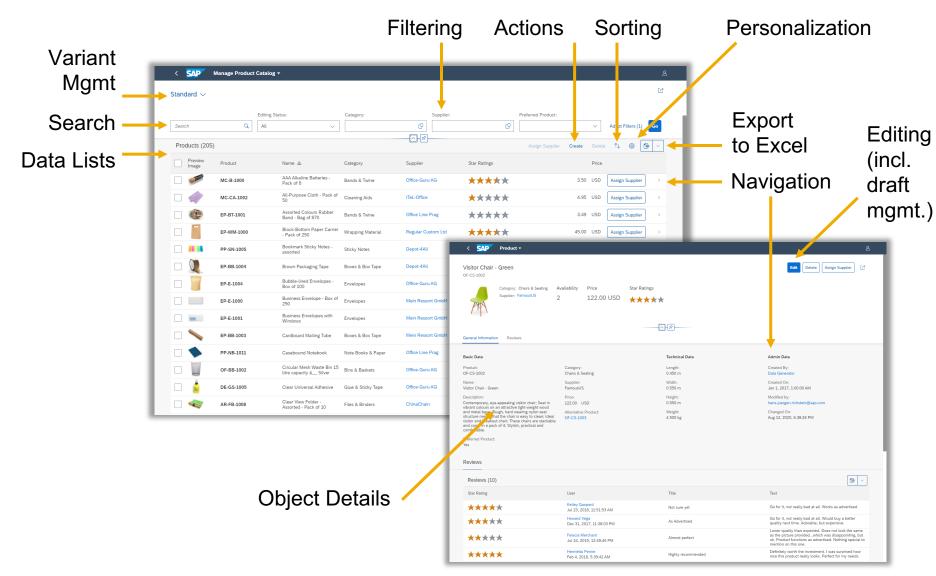


Manage individual business objects



Worklist page

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



Additional enterprise readiness features included are:

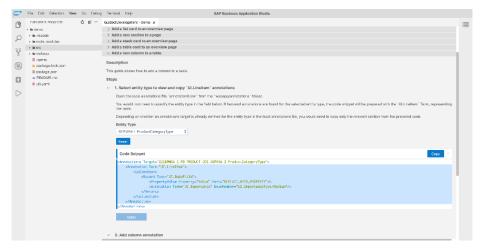
- Accessibility
- Internationalization
- Mobile compatibility
- Responsiveness
- Performance optimizations
- Integration
- Security checks
- Lifecycle stability
- Test automation support
- ...and more

Developers can run SAP Fiori tools either in the cloud or on-premise

SAP Business Application Studio

Provides a modern, maintenance-free, preconfigured, **hosted environment***, optimized for SAP developers

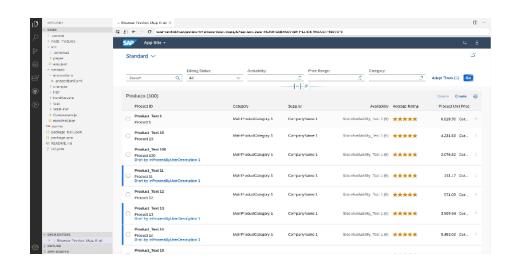
- Can be centrally administrated with tools repositories, systems access and company policies
- Integrates with existing SAP solutions, systems & services
- Easy access to Visual Studio Code-compatible extensions from open source Theia marketplace **



- * Offline development option is planned
- ** Theia marketplace is planned

Visual Studio Code

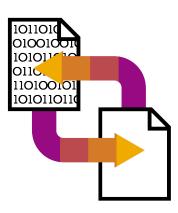
- Provides development flexibility with offline capabilities
- Features a user-controlled, highly configurable development environment
- Allows access to thousands of extensions from the Visual Studio Code marketplace
- Is part of a fast growing open source community



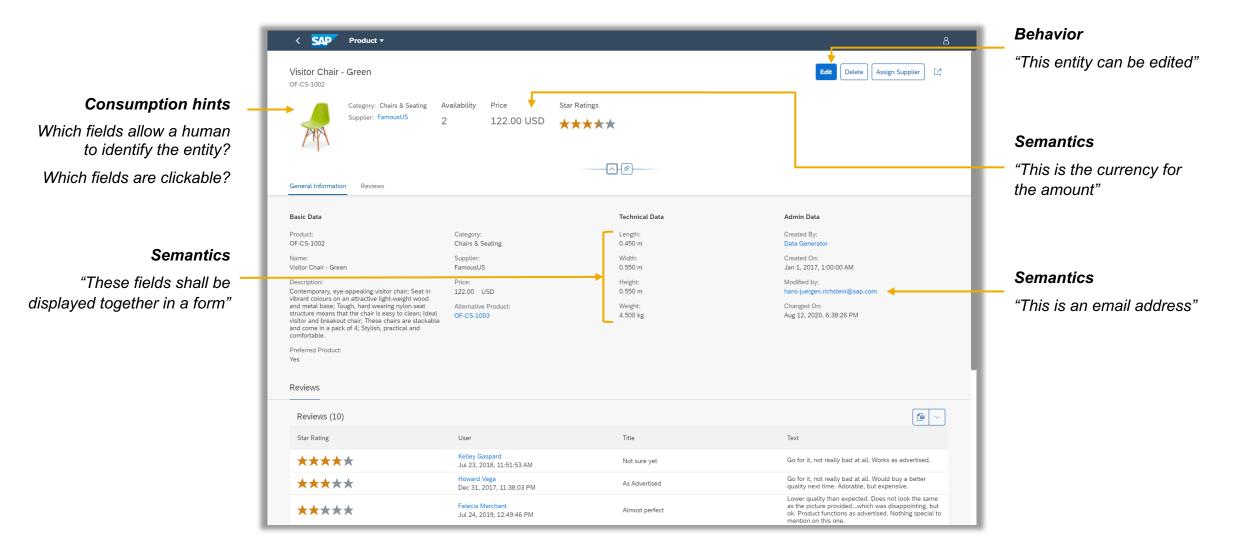
OData connects your application to the back-end

OData: a standardized method (Open Data Protocol) based on HTTP for interacting with data on a server, ensuring interoperability between sources

SAP Fiori elements connects with OData services out-of-the-box



OData annotations fine-tune how the app looks and behaves



SAP Fiori elements generates the app from OData services & annotations

What is displayed?

OData service

Expose data & relations

OData annotation

- Semantic metadata
- Behavior
- Consumption hints

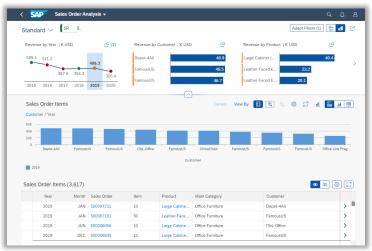
How is it displayed?

SAP Fiori elements page types

- Using SAPUI5 Controls
- Applying generic controller logic
- E.g. Analytical list page

Provided by: **Application Developers**

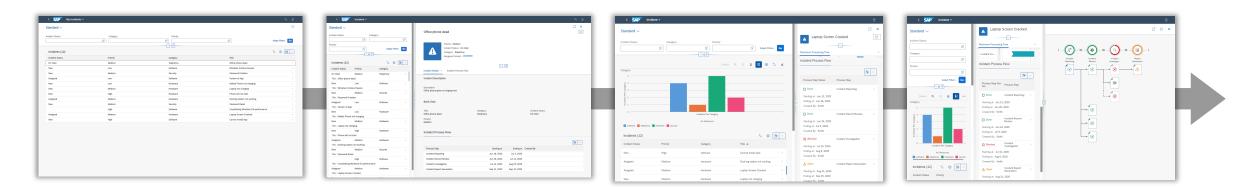




Provided by: **SAP Fiori elements framework**



SAP Fiori elements application architecture provides flexibility



Start with the generated app based on a standard page type

Configure the app, e.g. apply the flexible column layout

Enhance the app with annotations, as needed

Extend the app with SAPUI5 code, if necessary

SAP builds over 80% of new apps for SAP S/4HANA using Fiori elements

SAP Fiori elements prioritizes efficiency over flexibility

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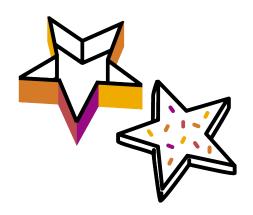
Freestyle SAPUIS		SAP FIORI elements
Flexibility	Overall approach	Efficiency
Freestyle designs	Design requirements	SAP templates
Web Development	Development knowledge	Annotations
Own coding, own UI logic	App ownership / maintenance	Own annotations, SAP's UI logic
Higher	Total cost of development and maintenance	Lower

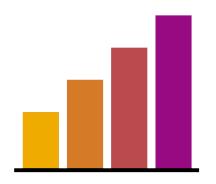
SAP Fiori alaments

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

- SAP Fiori elements & SAP Fiori tools accelerate app development
- 2. SAP Fiori elements enables UX consistency
- 3. SAP Fiori elements covers 80% of app development scenarios







Learn more

- SAP Fiori elements community topic page https://community.sap.com/topics/fiori-elements
- SAP Fiori tools product announcement https://blogs.sap.com/2020/06/22/sap-fiori-tools-is-generally-available.-increase-the-efficiency-of-developing-sap-fiori-elements-apps/
- Sign up for SAP Fiori development newsletter http://link.personas.help/fenews
- SAP UX Engineering YouTube channel https://www.youtube.com/channel/UC4FRdP-pm8mwlRbqOQwnPJQ
- openSAP course "SAP Fiori overview" https://open.sap.com/courses/fiori3/



Thank you.

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