



GLOSSARY OF SAP UI5 & FIORI

**A Quick Reference Guide to
SAP Terminologies**

Concept/Term	Definition
SAP Fiori	A design system for SAP applications with a focus on user experience. Offers responsive, role-based apps.
SAPUI5	A JavaScript-based framework to build responsive web apps. Used to create SAP Fiori apps.
MVC Architecture	Model-View-Controller separates data, UI, and logic. Core concept in SAPUI5 for clean architecture.
XML View	Declarative way to define UI layout in SAPUI5 using XML syntax. Promotes clean separation from logic.
Controller	JavaScript file in SAPUI5 that handles events and logic for views. Contains app functionality.

Concept/Term	Definition
Component.js	Entry point of an SAPUI5 application. Defines app metadata, routing, and model setup.
manifest.json	Descriptor file containing app metadata like data sources, routing, and component configuration.
SAP Fiori Launchpad	Central access point for SAP Fiori apps. Offers tiles, groups, and personalized homepages.
App Descriptor	Defined in manifest.json, it includes app ID, version, title, and dependencies.
Data Binding	Technique to connect UI elements to model data in SAPUI5. Supports one-way and two-way binding.

Concept/Term	Definition
Model	Holds and manages data shown in views. Types include JSON, XML, and OData models in SAPUI5.
JSON Model	A lightweight client-side model used for local or static data. Frequently used in mockups or demos.
XML Model	Structured model often used for configuration or metadata. Ideal for hierarchical or nested datasets.
OData Model	Binds SAP backend data to UI5 apps using OData protocol. Supports two-way binding and metadata-driven UIs.
Two-Way Binding	Automatically syncs changes between model and view. Keeps the UI and backend in sync.

Concept/Term	Definition
One-Way Binding	Displays model data in the UI but doesn't sync changes back. Useful for read-only fields.
Aggregation Binding	Binds arrays from a model to lists or tables in UI. Used for dynamic rendering of multiple items.
Routing	Manages in-app navigation between views. Defined in manifest.json with patterns and targets.
Tile	Clickable UI element on the Launchpad that launches apps. Can display dynamic content like counters.
Semantic Object	Abstract identifier used in Fiori navigation. Paired with actions to enable intent-based routing.

Concept/Term	Definition
Target Mapping	Defines how a semantic object navigates to an app. Set up using the Launchpad Designer.
Intent-Based Navigation	Launches apps based on semantic object and action. Enables decoupled, dynamic navigation.
Annotation	Metadata used to control UI, logic, or behavior. Applied in CDS views to render smart UIs.
Smart Controls	UI5 controls that adapt using metadata from the backend. Allow quick app building with minimal coding.
Smart Table	A metadata-driven table that auto-generates columns. Supports sorting, filtering, and value help.

Concept/Term	Definition
Fiori Elements	Low-code framework for building apps using annotations. Reduces UI coding effort drastically.
List Report	A standard template to display data lists with filters. Often paired with Object Pages.
Object Page	Detailed screen for a selected item from the list. Contains multiple sections and facets.
Filter Bar	Component for filtering data shown in list reports. Works with backend entity annotations.
Facet	Section in Object Page grouping related data fields. Can contain charts, forms, or lists.

Concept/Term	Definition
UI5 Table	Displays tabular data with options to sort and paginate. Frequently used with aggregation binding.
Fragment	Lightweight, reusable UI component like dialogs. Not standalone—used within views or controllers.
Dialog	Modal popup used for alerts, confirmations, or forms. Usually defined in fragments.
Message Toast	Temporary notification displayed on the screen. Used for success or status messages.
Message Box	Modal popup used to display warnings or confirmations. Includes buttons like OK or Cancel.

Concept/Term	Definition
Formatter	JavaScript function to format data in UI bindings. Applied inline in XML views using expression binding.
Resource Bundle	Stores translatable text for internationalization. Used to support multi-language UI.
Custom Control	Reusable control developed for complex UIs. Extends base controls to add behavior.
Extension Point	Placeholder in XML views to add custom content. Useful when enhancing standard apps.
UI Adaptation	Allows UI changes without coding using adaptation layers. Used for personalizing Fiori UIs.

Concept/Term	Definition
FLP Designer	Tool to manage Launchpad tiles, catalogs, and mappings. Helps configure apps for end users.
App Descriptor	Metadata info defined in manifest.json. Declares app type, version, routing, and models.
Cross-App Navigation	Enables navigation between different Fiori apps. Achieved through semantic links.
SAP Business Application Studio	Cloud-based IDE to develop Fiori and UI5 apps. Successor to SAP Web IDE.
SAP Web IDE	Legacy web-based IDE used for SAPUI5 and Fiori. Being replaced by Business Application Studio.

Concept/Term	Definition
Fiori App Library	Online catalog of all standard SAP Fiori apps. Helps identify app availability and technical components.
Deployment	The process of transporting apps to ABAP repository. Can be done using Eclipse or Business Studio.
BSP Application	Repository in SAP backend that holds UI5 files. Needed for hosting deployed Fiori apps.
Catalog	Logical group of tiles and target mappings. Assigned to users via roles in PFCG.
Group	Visual cluster of tiles shown on the Launchpad. Can be personalized by end users.