

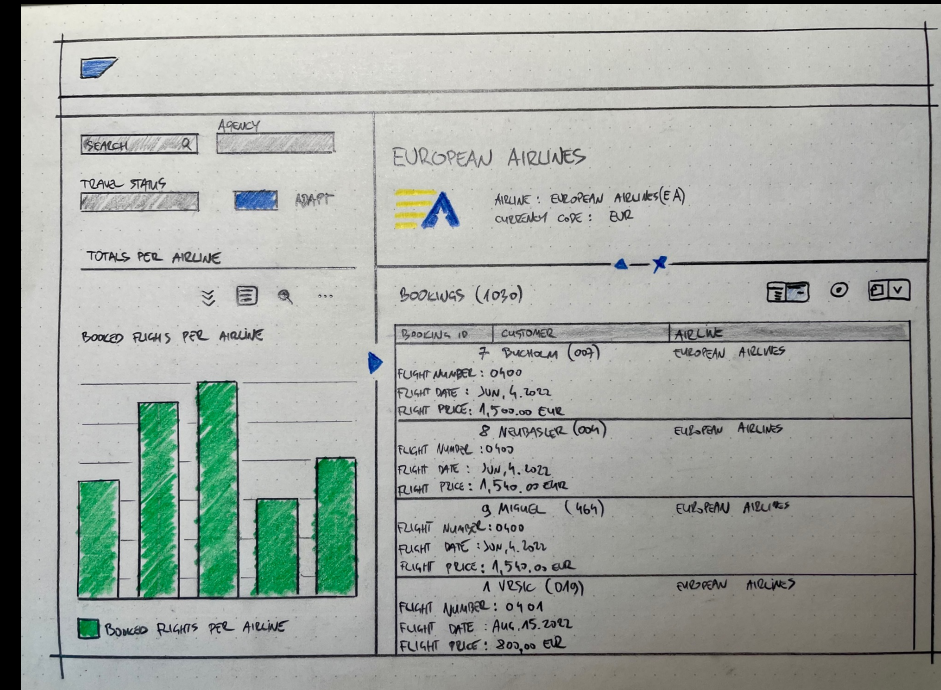
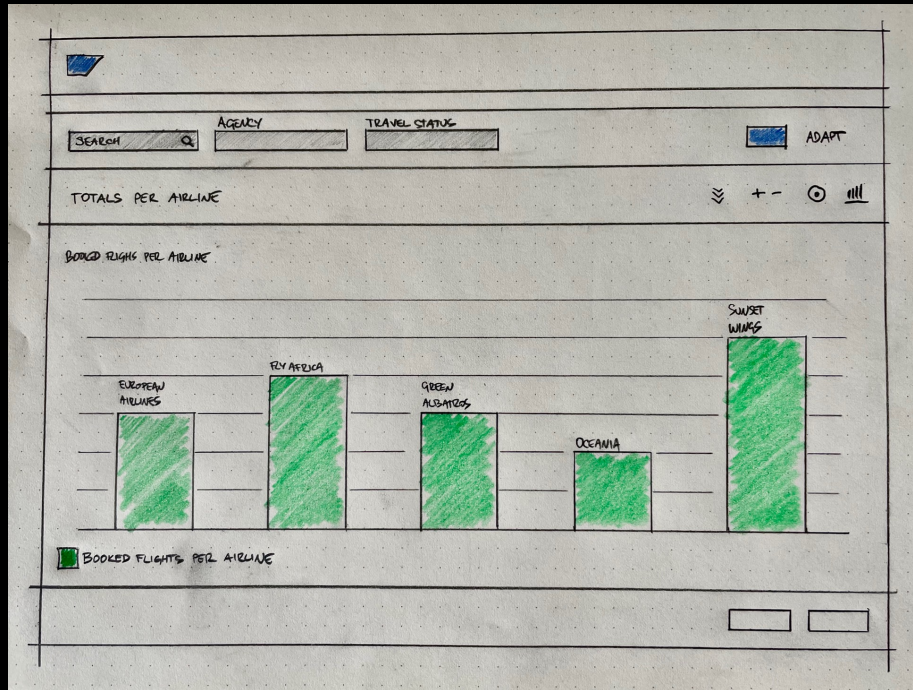
Building SAP Fiori apps with flexible open-source modules

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July 7th/8th, 2022

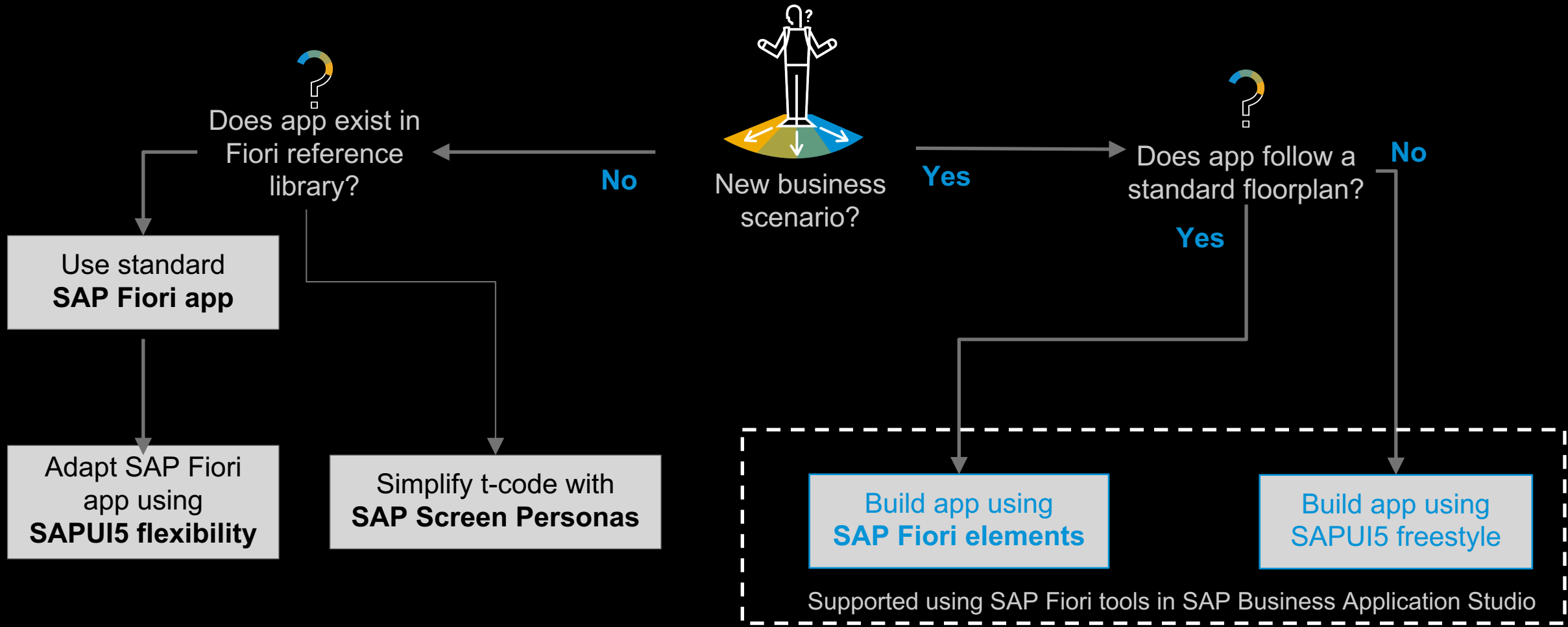
- Scenario / use case
- Challenge when starting a new SAP Fiori app
- Simplifying SAP Fiori app development
 - Standard SAP Fiori elements page types
 - Flexible Programming Model
- Demo
- SAP Fiori tools - open source strategy

Scenario / use Case for a new app

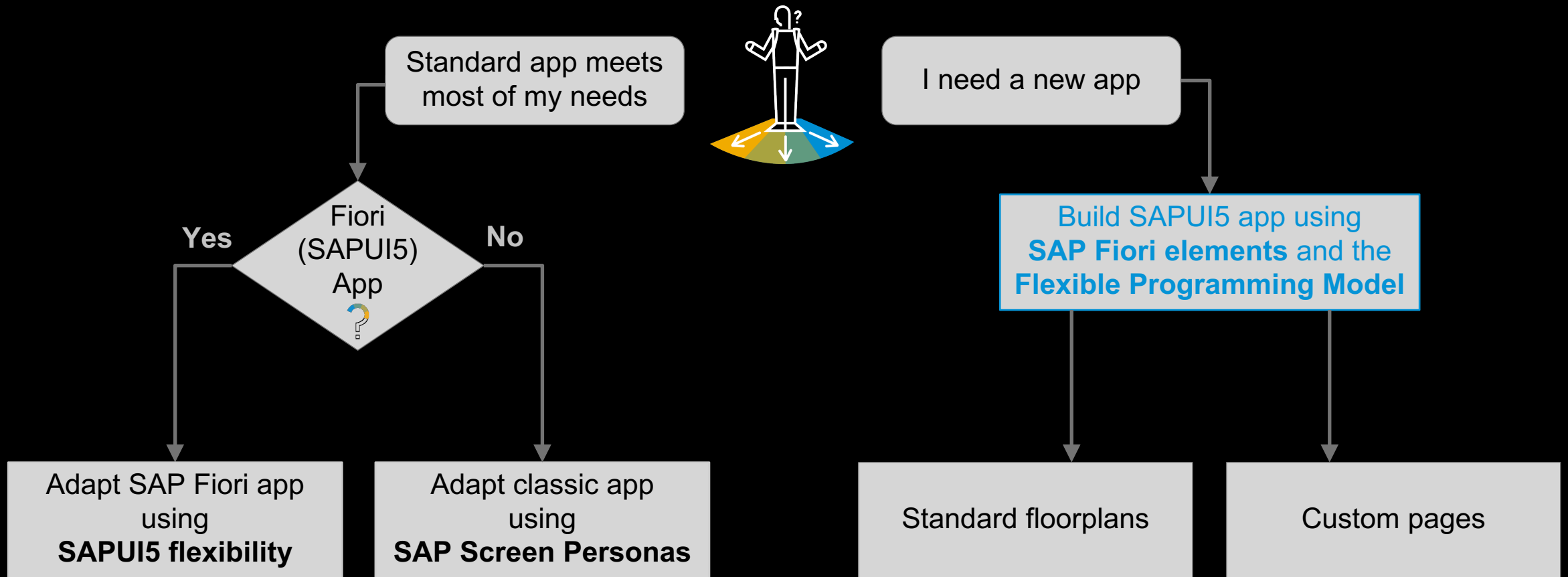
A developer using SAP Fiori tools asked for a recommendation on getting started to build a new SAP Fiori app. Her business manager wants to analyze the travel booking by agency and airline to better negotiate contract terms with agency and airline.



You used to have to choose the development approach up front



The Flexible Programming Model simplifies SAP Fiori development

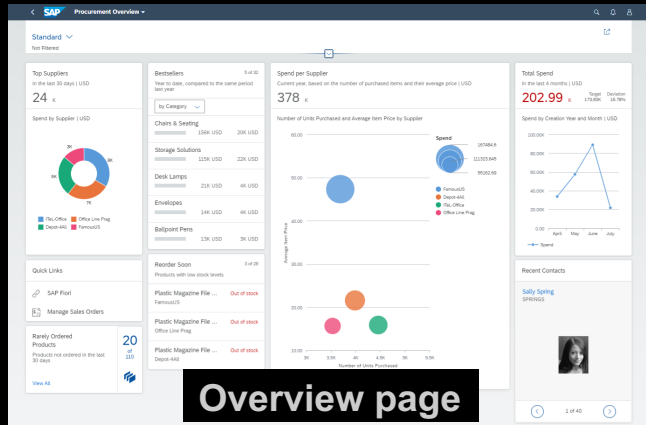


Accelerate development with SAP Fiori tools

SAP Fiori elements has five standard floorplans

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

The screenshot shows the 'SAP Manage Product Catalog' Fiori application. It displays a list of products with columns for Product, Name, Category, Supplier, Star Ratings, and Price. The list is filtered by 'All' and 'All'.

Product	Name	Category	Supplier	Star Ratings	Price
MC-B-0009	AAA Alkaline Batteries - Pack of 8	Batteries & Tapes	Office-Guru AG	★★★★★	2.50 USD
MC-CA-0002	All-Purpose Cloth - Pack of 50	Cleaning Aids	ITSL-Office	★★★★★	4.95 USD
EP-BT-0001	Assorted Colours Rubber Bands - Bag of 575	Bands & Tapes	Office-Line-Phag	★★★★★	3.49 USD
EP-000-0003	Black Bottom Paper Center Fold of 250	Wrapping Material	Regular Custom Ltd	★★★★★	45.00 USD
PP-0A-1005	Business Sticky Notes - assorted	Sticky Notes	Deputy 446	★★★★★	5.60 USD
EP-BB-1004	Brown Packaging Tape	Bands & Bin Tape	Deputy 446	★★★★★	3.40 USD
EP-B-1004	Bubble-Ored Envelopes - Box of 100	Envelopes	Office-Guru AG	★★★★★	29.90 USD
EP-B-1005	Business Envelopes - Box of 250	Envelopes	Mein-Rezept GmbH	★★★★★	12.45 USD
EP-B-1001	Business Envelopes with Windows	Envelopes	Mein-Rezept GmbH	★★★★★	12.45 USD
EP-BB-1003	Cardboard Mailing Tube	Bands & Bin Tape	Mein-Rezept GmbH	★★★★★	19.99 USD
PP-AB-1011	Cardboard Network	Note Books & Paper	Office-Line-Phag	★★★★★	9.99 USD
OF-AB-1002	Cardboard Network	Note Books & Paper	Office-Line-Phag	★★★★★	9.99 USD
DE-GS-1005	Cardboard Network	Note Books & Paper	Office-Line-Phag	★★★★★	2.75 USD
AD-PP-1008	Cardboard Network	Note Books & Paper	Office-Line-Phag	★★★★★	6.50 USD

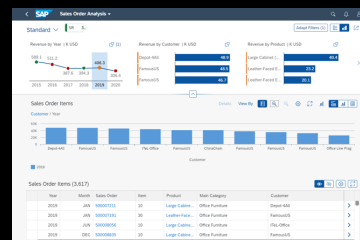
List report page

Manage individual business **objects**

The screenshot shows the 'SAP Product' Fiori application. It displays a detailed view of a product, including its name, category, price, and star ratings. The product is 'PP-0A-1005' and is categorized as 'Sticky Notes'. The price is 5.60 USD and the star rating is 5 stars.

Category	Sticky Notes	Availability	Price	Star Ratings
Supplier	Deputy 446	139	5.60 USD	★★★★★

Object page



The screenshot shows the 'SAP Sales Order Analysis' Fiori application. It displays a list of sales orders with columns for Year, Month, Sales Order, Item, Product, Sales Category, and Customer. The list is filtered by 'All' and 'All'.

Year	Month	Sales Order	Item	Product	Sales Category	Customer
2014	JAN	100000123	01	Large Office	Office Furniture	Deputy 446
2014	JAN	100000123	02	Large Office	Office Furniture	Deputy 446
2014	JAN	100000123	03	Large Office	Office Furniture	Deputy 446
2014	JAN	100000123	04	Large Office	Office Furniture	Deputy 446

Worklist page

Custom code complements your app beyond standard SAP Fiori elements

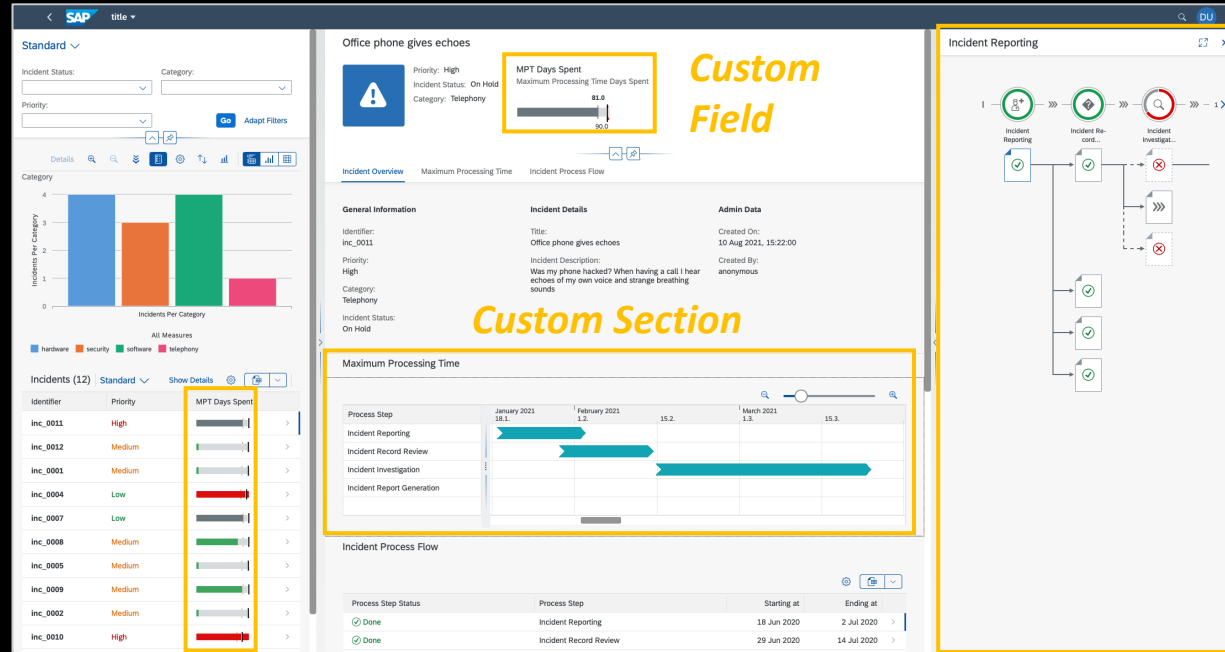
Floorplans

OData service

Annotations

Configuration

Custom code

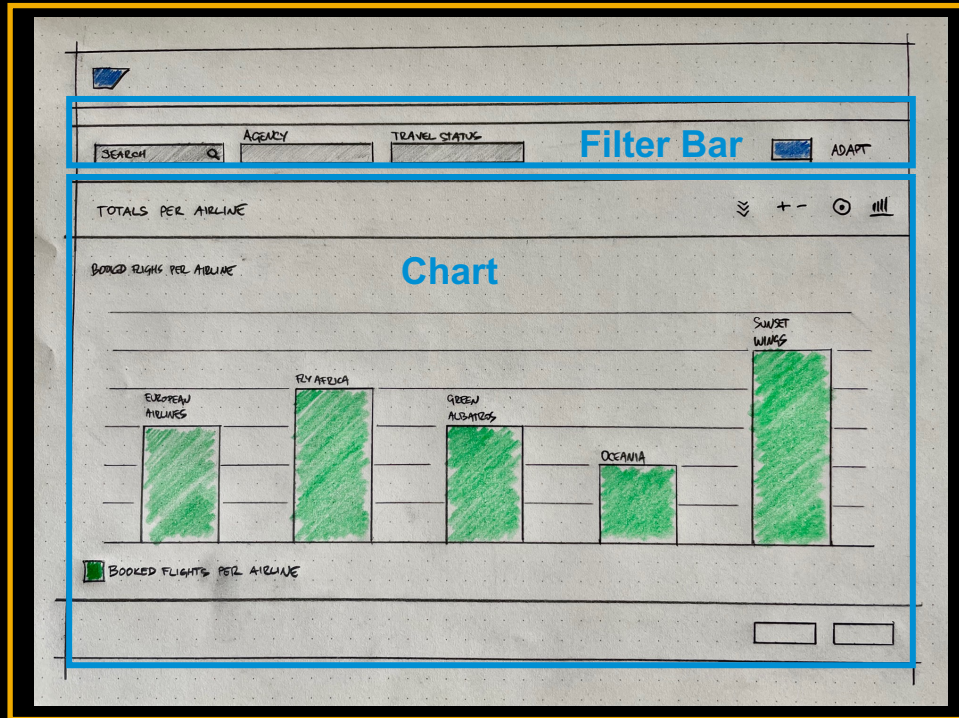


- **Extension points** allow you to add **custom artifacts** like custom sections, custom actions, custom table columns, or even custom pages.
- Within these custom artifacts you can leverage **building blocks** (OData V4), **smart controls** (OData V2) or **custom controls**
- **Custom logic** can be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

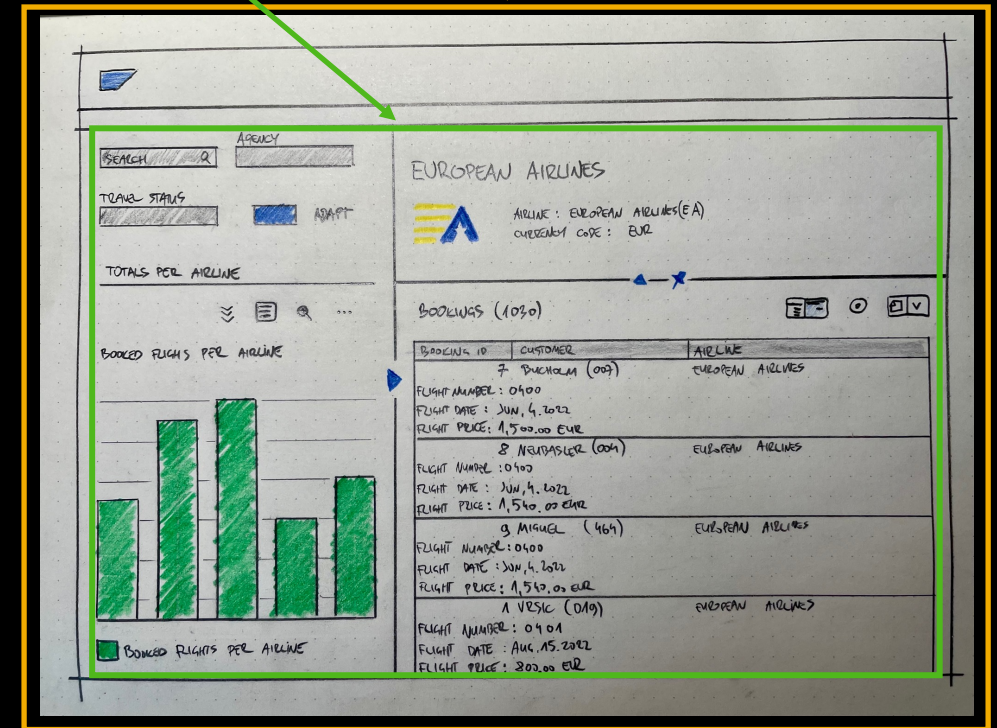
Making a wire frame is a great way to visualize the app

Custom Page



Object Page

Flexible Column Layout



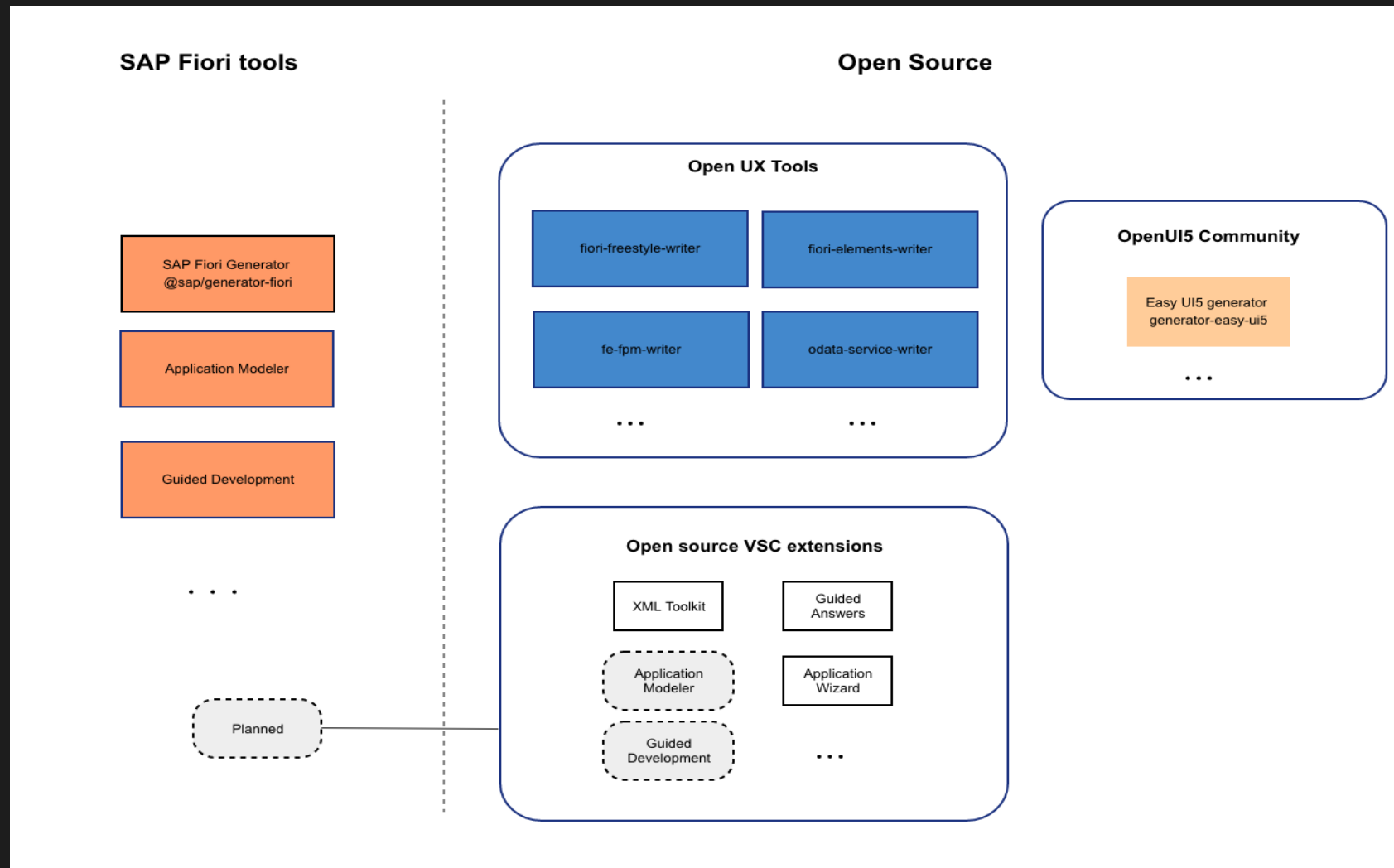
Page Type

FPM Building Blocks

Configuration

Demo

We are making parts of SAP Fiori tools open source



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