

Always there when you need us

# Fiori 101

Jonathon Marvin





Always there when you need us

## Agenda

- Introduction to Fiori
  - What is Fiori
  - Why we use it
- Our Fiori Launchpad
- SAP Fiori Apps
- Custom Fiori apps

Fiori Flomonto

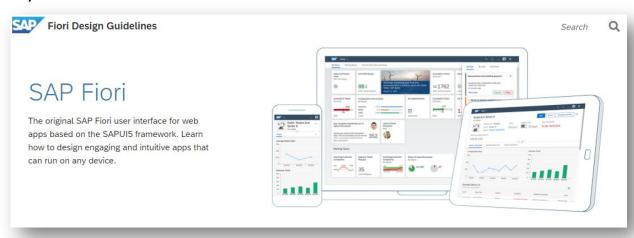
- Adaptations





#### What is Fiori

- SAP Fiori is a design system that enables you to create business apps with simple screens that run on any device.
- It is not a standalone Application
- Apps that implement Fiori
  - Fiori apps(UI5)
  - Classic apps (Web dynpro, SAP GUI)
- SAP Fiori Design Guidelines







#### Why We Use Fiori

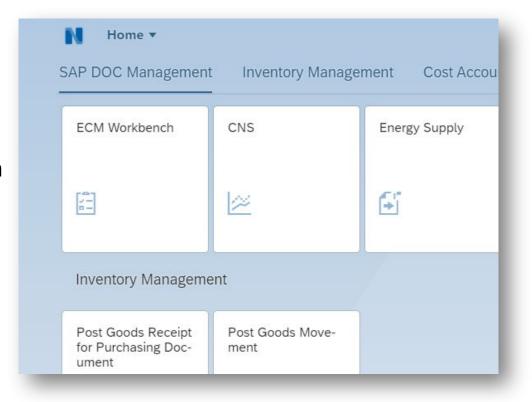
- SAP Fiori helps Developers:
  - Makes custom development and design work easy
  - Allows developers to meet customer needs without large development costs
- SAP Fiori helps End Users:
  - Is an alternative to the SAP GUI Transactions
  - Allows users to customize Fiori apps for their business needs
- SAP Fiori is for users who have trouble navigating SAP GUI or want a modern app workflow





## Our Fiori Launchpad

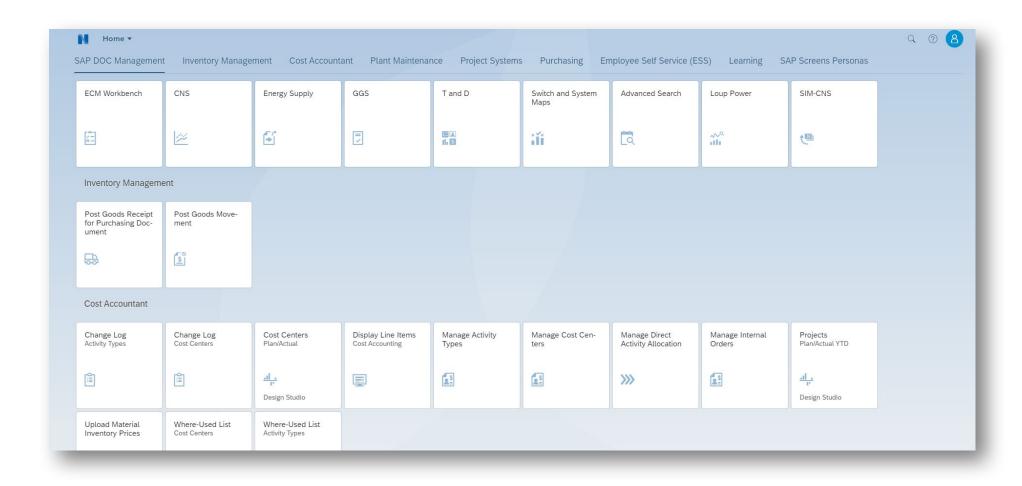
- The Fiori Launchpad (FLP) is a customizable location for our business apps
- Navigating to the launchpad
  - Enter your FLP url
  - If you are in the SAP GUI, you can use the transaction code "/n/ui2/flp"







## Group Launchpad







## Spaces and Pages





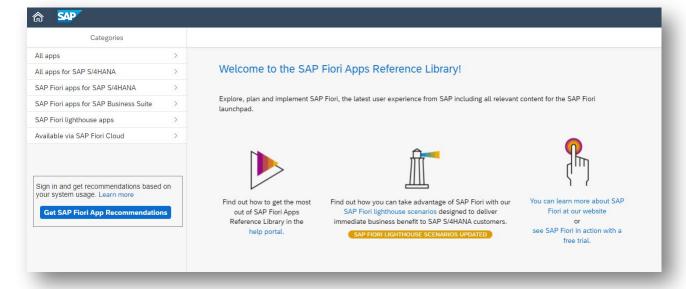
### SAP Fiori Apps

Always there when you need us

- SAP Fiori apps are developed by SAP
- Can be found on the SAP Fiori Apps Library(<u>SAP Fiori Apps Reference Library</u>)
- Come preinstalled with S/4 (just need to activate)

• The End user can customize the app functions to help

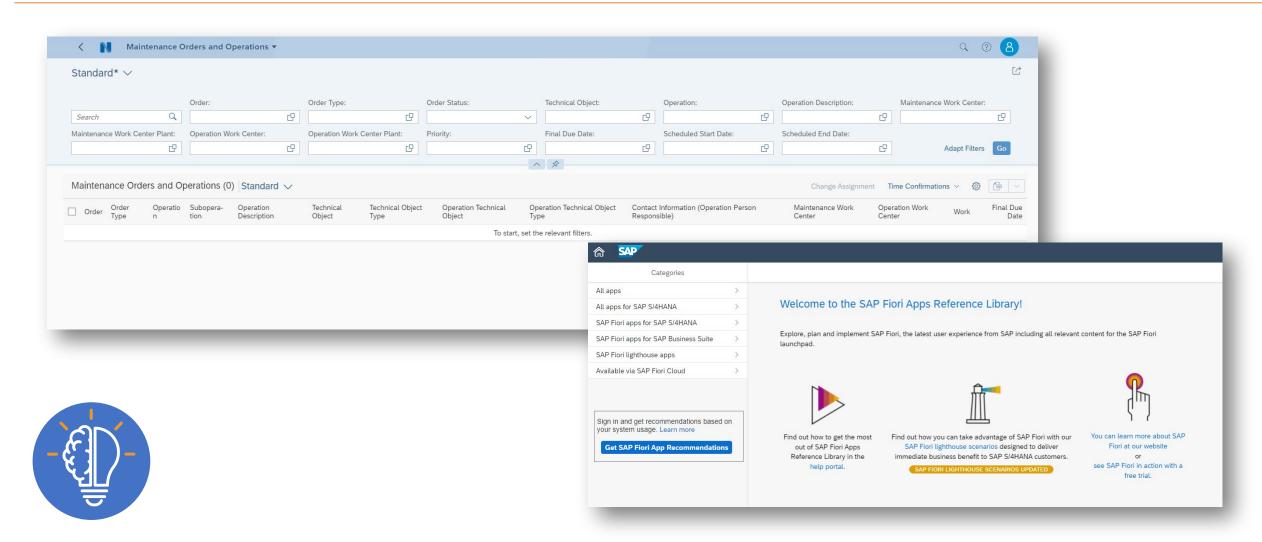
with tasks







#### Demo

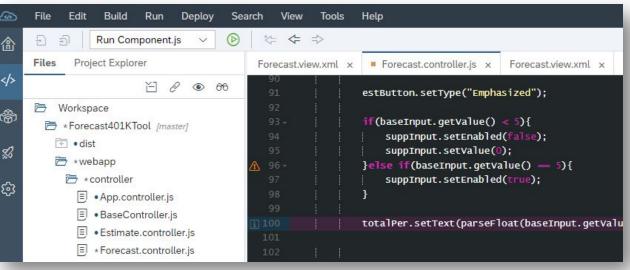




### Custom Fiori apps

- Also described Fiori like apps
- Use frameworks like SAPUI5
- Currently use SAP WEBIDE Full stack for development
  - Working with the teams to get VS code and SAP BAS setup for development
- Uses CDS Views/ODATA services to display information



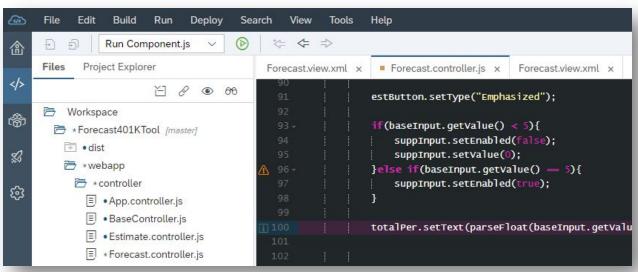




### Adaptations

- Also know as Extensions
- Used to extend the capability of Fiori applications
- Allows SAP to update apps without breaking our apps
- FLP, Fiori apps, and Custom apps can be Extended
- Uses the same development environment as custom apps
- Common adaptations include:
  - Filter items
  - Show/hide columns
  - Adding buttons/links



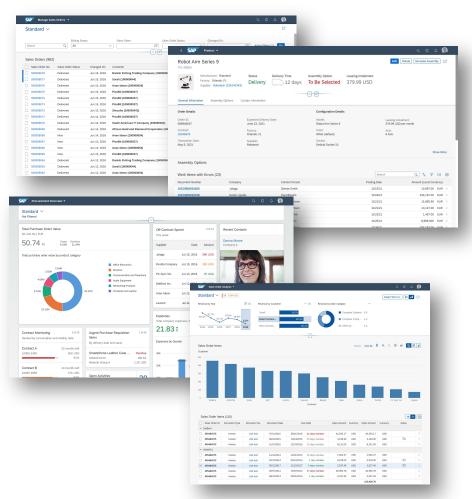




## Fiori Elements Apps

- Template apps built using SAPUI5 and CDS Views
- Can be built by SAP or NPPD
- SAP uses a combination of Fiori elements and Transactional apps(UI5 with ODATA)
- Types of templates:
  - List report
  - Worklist
  - Object page
  - Overview page
  - Analytical page







#### CDS Views

- Core Data Service (CDS) Views are virtual data models of SAP HANA
- Developed on the S/4 Hana system
- Key component used for Fiori apps
- Uses Annotations to simplify complex frontend development



```
@Analytics: { dataCategory: #DIMENSION, dataExtraction.enabled: true }
    @VDM.viewType: #BASIC
    @EndUserText.label: 'Material'
                                                                                 Header Annotations
    @ObjectModel.representativeKey: 'Material'
    @AccessControl.authorizationCheck: #NOT_REQUIRED
    @Search.searchable: true
   @ObjectModel.usageType.serviceQuality: #A
    @ObjectModel.usageType.sizeCategory : #M
@ObjectModel.usageType.dataClass: #MASTER
   define view I_Material as select from mara
   1] to I_MaterialGroup as _MaterialGroup on $projection.MaterialGroup = _MaterialGroup.MaterialGroup
    association [0..1] to I_UnitOfMeasure as _BaseUnit on $projection.MaterialBaseUnit = _BaseUnit.UnitOfMeasure
    association [0..1] to I_UnitOfMeasure as _WeightUnit on $projection.MaterialWeightUnit = _WeightUnit.UnitOfMeasure
   association [0..*] to I_MaterialPlant as _MaterialPlant on $projection.Material = _MaterialPlant.Material
21<del>0</del>
22
23
                @Search.defaultSearchElement: true
               @Search.fuzzinessThreshold: 0.8
               @ObjectModel.text.association: ' Text
25
               key mara.matnr as Material, _Text,
                  --@EndUserText.label: 'Material Type
                 mara.mtart as MaterialType, _MaterialType,
                  --@EndUserText.label: 'Material Group
                 mara.matkl as MaterialGroup, MaterialGroup,
32
                  --@EndUserText.label: 'Base Unit of Measure
                                                                                           Field Annotations
                  @Semantics.unitOfMeasure: true
                  @ObjectModel.foreignKey.association: '_BaseUnit'
                 mara.meins as MaterialBaseUnit, _BaseUnit,
                  -- @EndUserText.label: 'Gross Weight'
39
                  @Semantics.quantity.unitOfMeasure: 'MaterialWeightUnit'
                  @DefaultAggregation: #NONE
                 mara.brgew as MaterialGrossWeight,
                  --@EndUserText.label: 'Net Weight'
                  @Semantics.quantity.unitOfMeasure: 'MaterialWeightUnit'
                  @DefaultAggregation: #NONE
                 mara.ntgew as MaterialNetWeight,
                  --@EndUserText.label: 'Weight Unit'
                  @Semantics.unitOfMeasure: true
                  @ObjectModel.foreignKey.association: 'WeightUnit'
                 mara.gewei as MaterialWeightUnit, _WeightUnit,
                 mara.mfrnr as MaterialManufacturerNumber,
                 mara.mfrpn as MaterialManufacturerPartNumber,
                 MaterialPlant
```



Always there when you need us

## Questions?

