# openSAP Evolved Web Apps with SAPUI5

Week 3 Unit 3: Increasing Developer Productivity with SAP Web IDE

## **Exercises**

**PUBLIC** 







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### INCREASING DEVELOPER PRODUCTIVITY WITH SAP WEB IDE

## Summary

SAP Web IDE offers many tools to increase our developer productivity. We use the Storyboard Editor perspective to add a third column to our application in the flexible column layout. Then, we customize the app with the Layout Editor.

### **Preview**

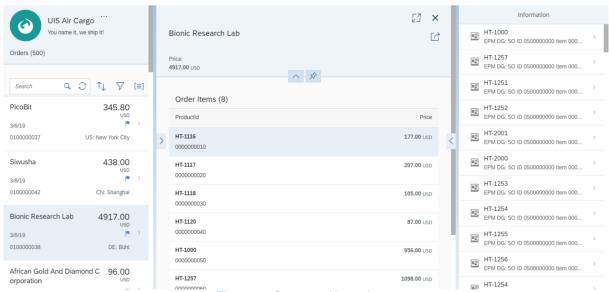
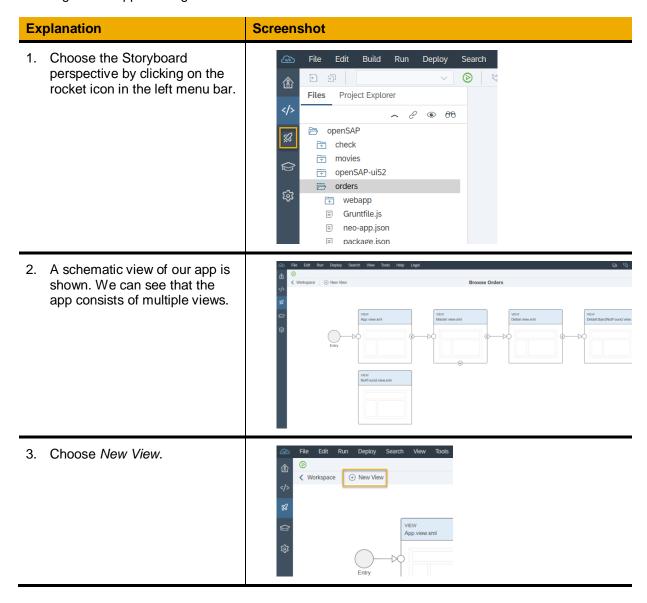
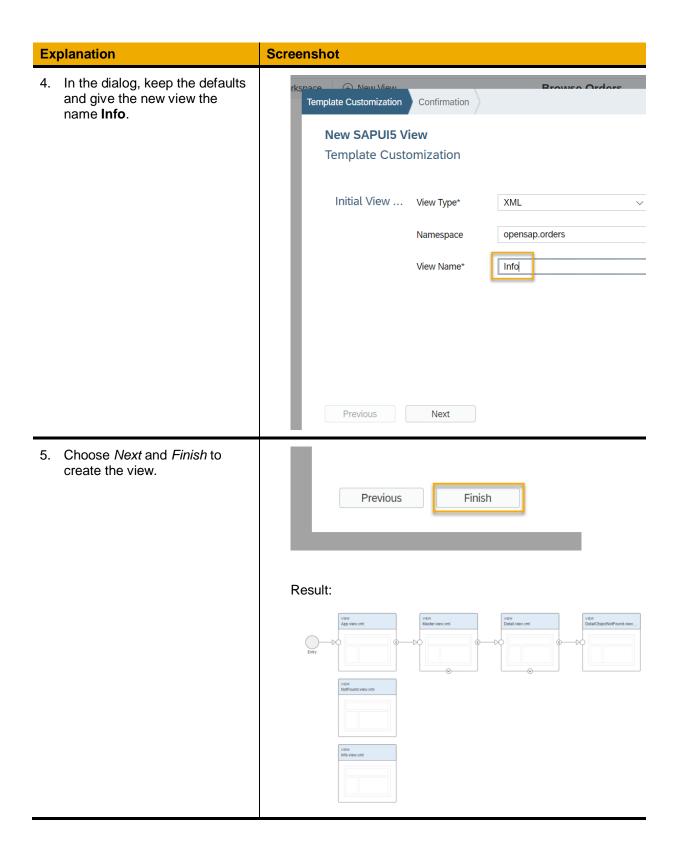


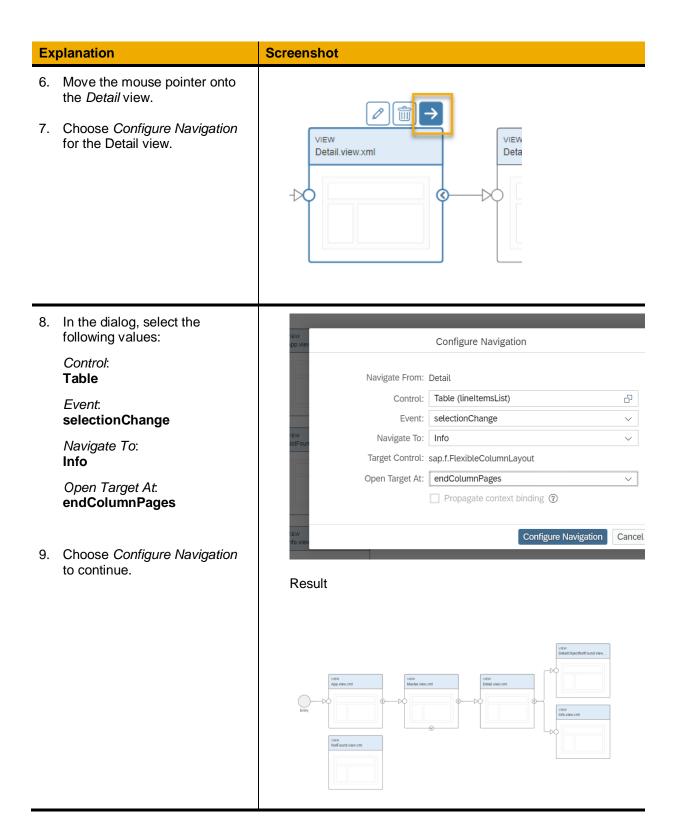
Figure 1 – Our app with 3 columns

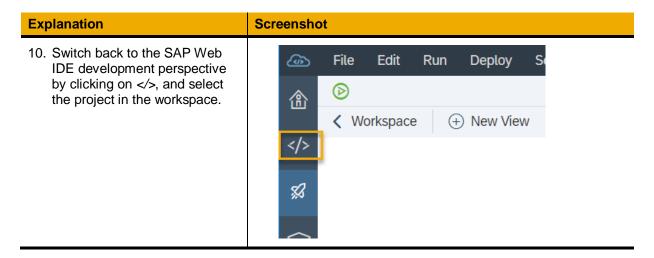
## Add a new view and configure navigation

We will extend our app with a third column and create a new view to be displayed in that column. Then we will configure our app to navigate to the new view.









## Fine-tuning the UI for three columns

Open the manifest.json file.

webapp/manifest.json

Scroll down to the routes and add the two additional targets.

Then open the Info.controller.js file.

## webapp/controller/Info.controller.js

```
});
```

Open the Detail.controller.js file.

Exchange all references to Controller with BaseController. Attach to the patternMatched event of the info route and create a callback function \_onInfoMatched. Display the third column when the info route has been matched.

webapp/controller/Detail.controller.js

Also add the attachPatternMatched event for the info route to the Detail controller. This way, the detail page will also be refreshed when the third column is displayed.

Only if the objectId is valid and object route was matched, we set the layout property for the flexible column layout to *TwoColumnsMidExpanded*.

Open the Detail.view.xml file.

webapp/view/Detail.view.xml

```
<semantic:content>
   <Table
      id="lineItemsList"
      width="auto"
      items="{ToLineItems}"
      mode="SingleSelectMaster"
      updateFinished=".onListUpdateFinished"
      noDataText="{i18n>detailLineItemTableNoDataText}"
      busyIndicatorDelay="{detailView>/lineItemTableDelay}"
      selectionChange="action"
      xmlns:action="http://schemas.sap.com/sapui5/extension/sap.ui.core.
      CustomData/1"
      action:wiring="\{'selectionChange':\{'navigation':\{'routeName':'info'\}\}
      \ } ">
     <headerToolbar>
        <Toolbar>
          <Title
             id="lineItemsTitle"
```

The action method should be called whenever an item of the table is selected. So, we have to activate the selection mode.

Now try out the new view by right-clicking the index.html file and choosing  $Run \rightarrow Run$  as Web Application. This should start our app.

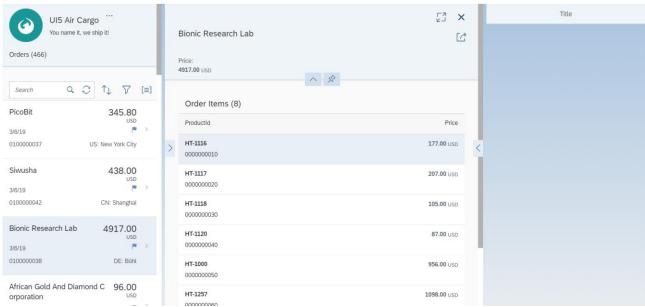
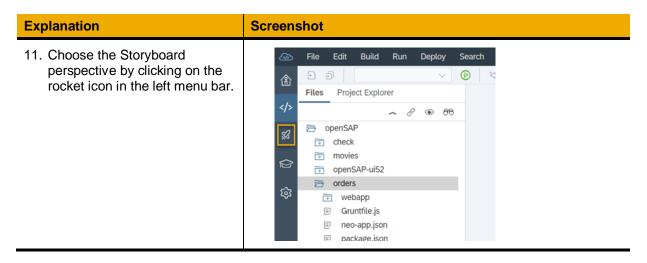
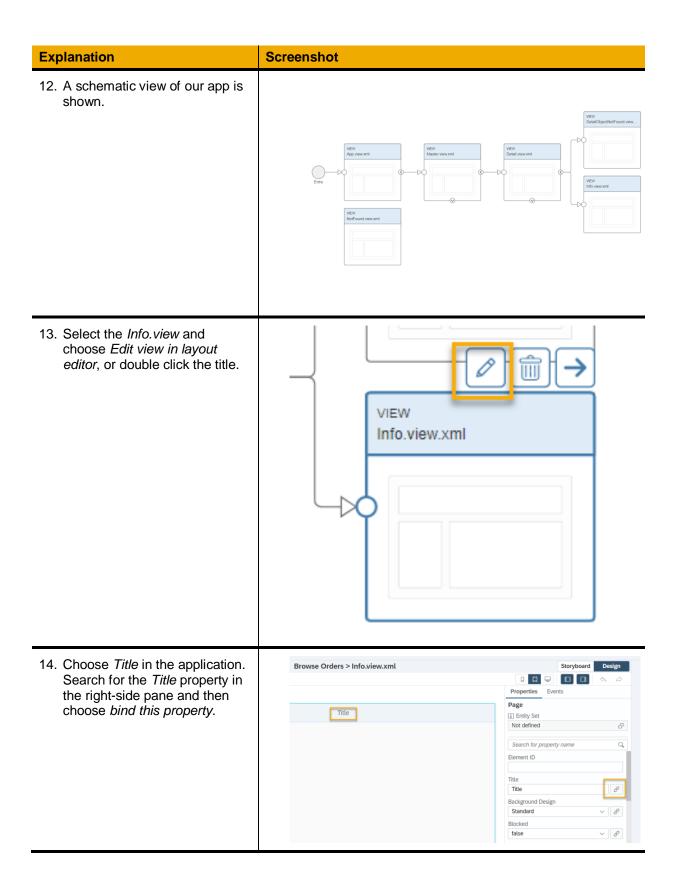


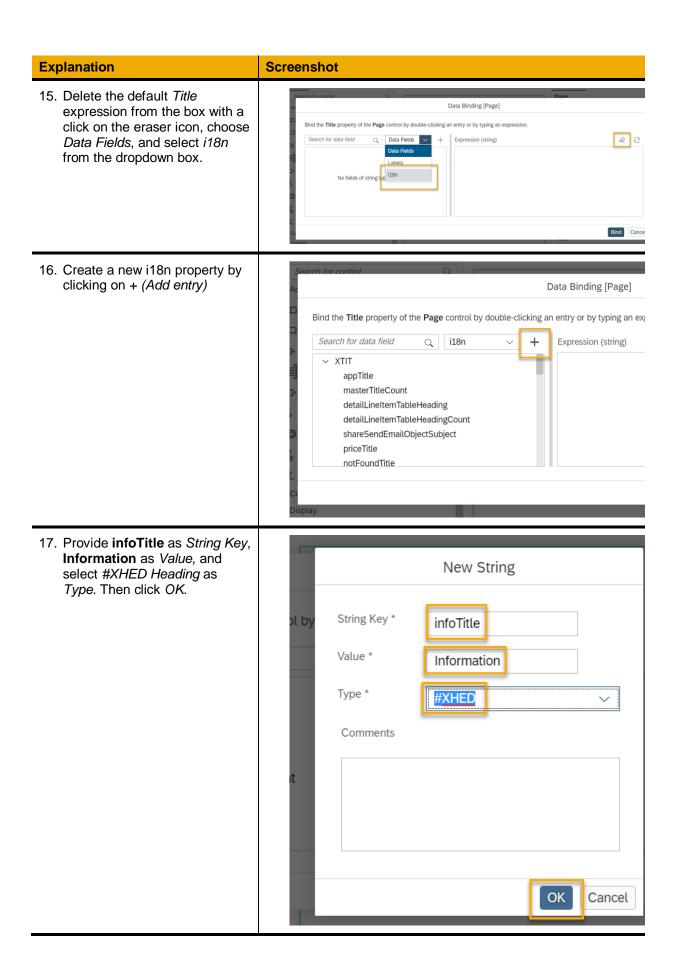
Figure 2 – Our app with 3 columns

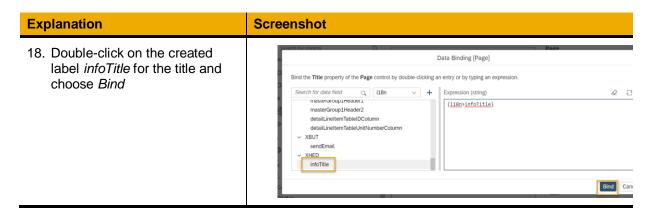
## Edit the Info view in the Layout Editor

We want to add some controls to the new view using the SAP Web IDE Layout Editor

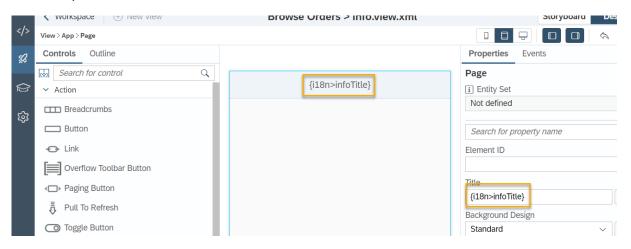






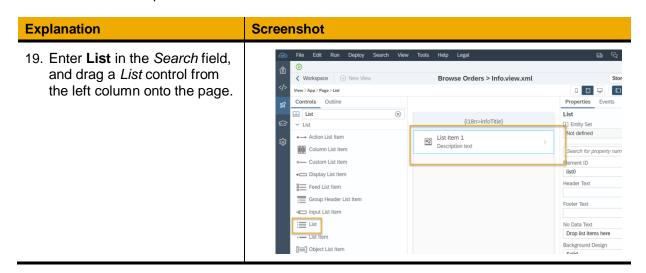


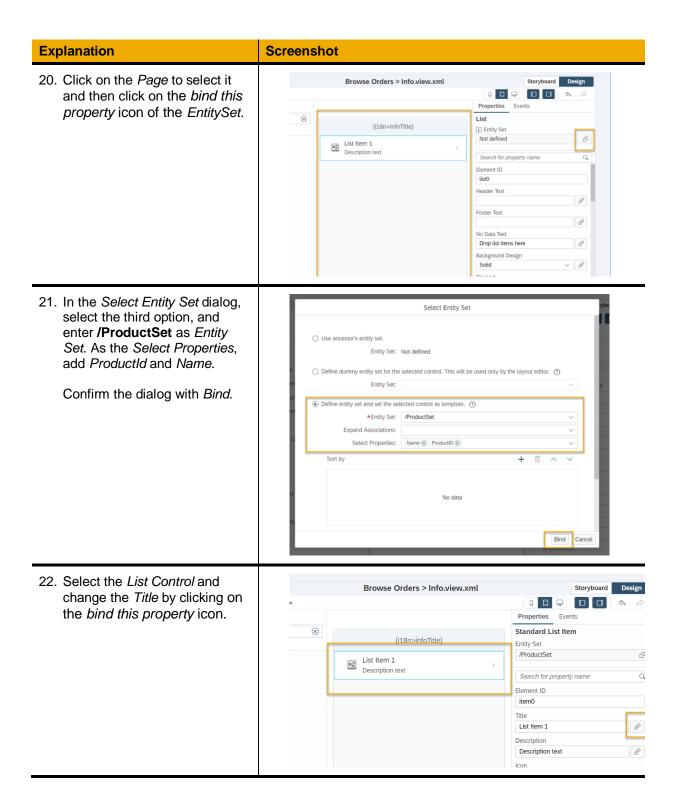
### Our workspace should now look like this:

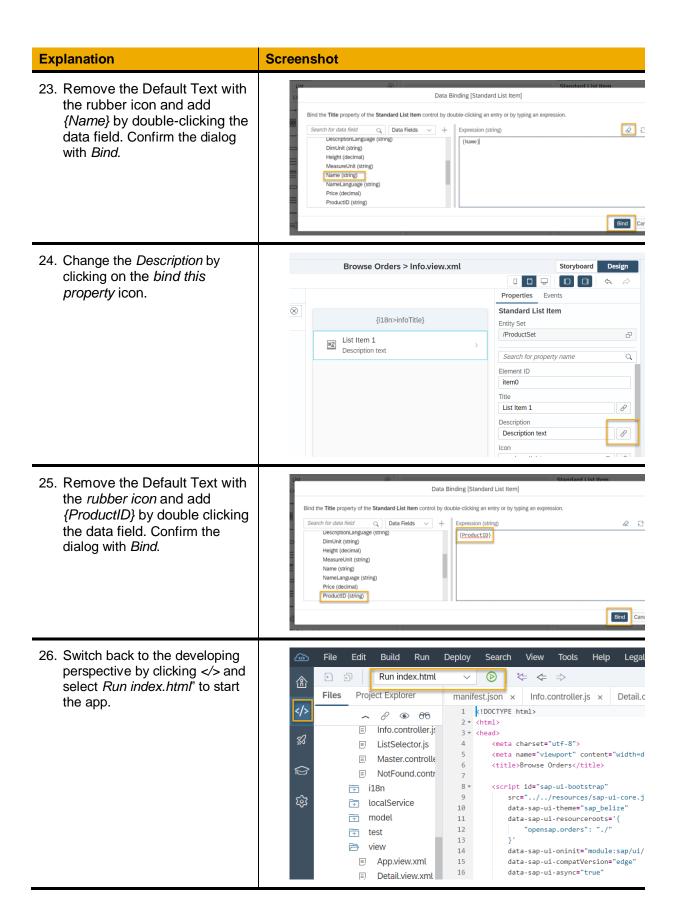


## Add a list to the view using the Layout Editor

We want to add a list of products to the new view.







Our running app now shows a list of products when an item in the first and second columns is selected.s

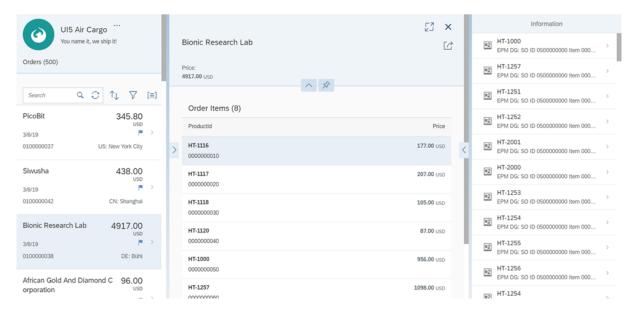


Figure 3 – Our app with a list in the third column

#### **RELATED MATERIAL**

- Demo Kit: Building an App with the Flexible Column Layout and Related Classes
- SAP Fiori Design Guidelines: Flexible Column Layout
- SAP Web IDE Developer Guide: Layout Editor

#### **Coding Samples**

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