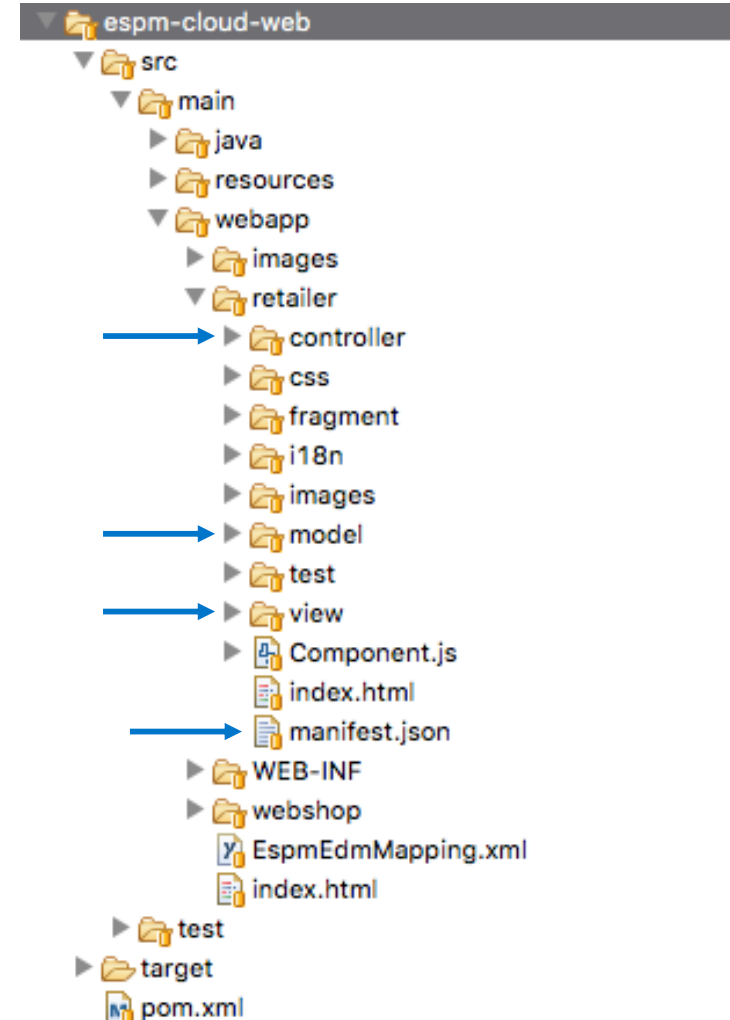
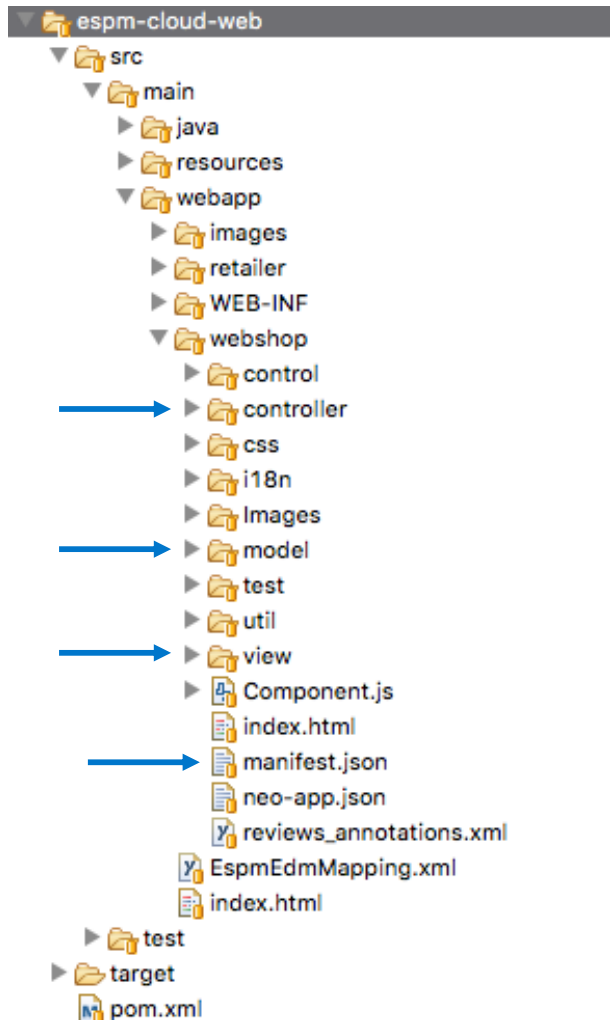


# Week 2 Unit 6: Developing the SAPUI5 Web Application – Practice

# Developing the SAPUI5 Web Application – Practice

## Recap: The SAPUI5 Web application of the ESPM application

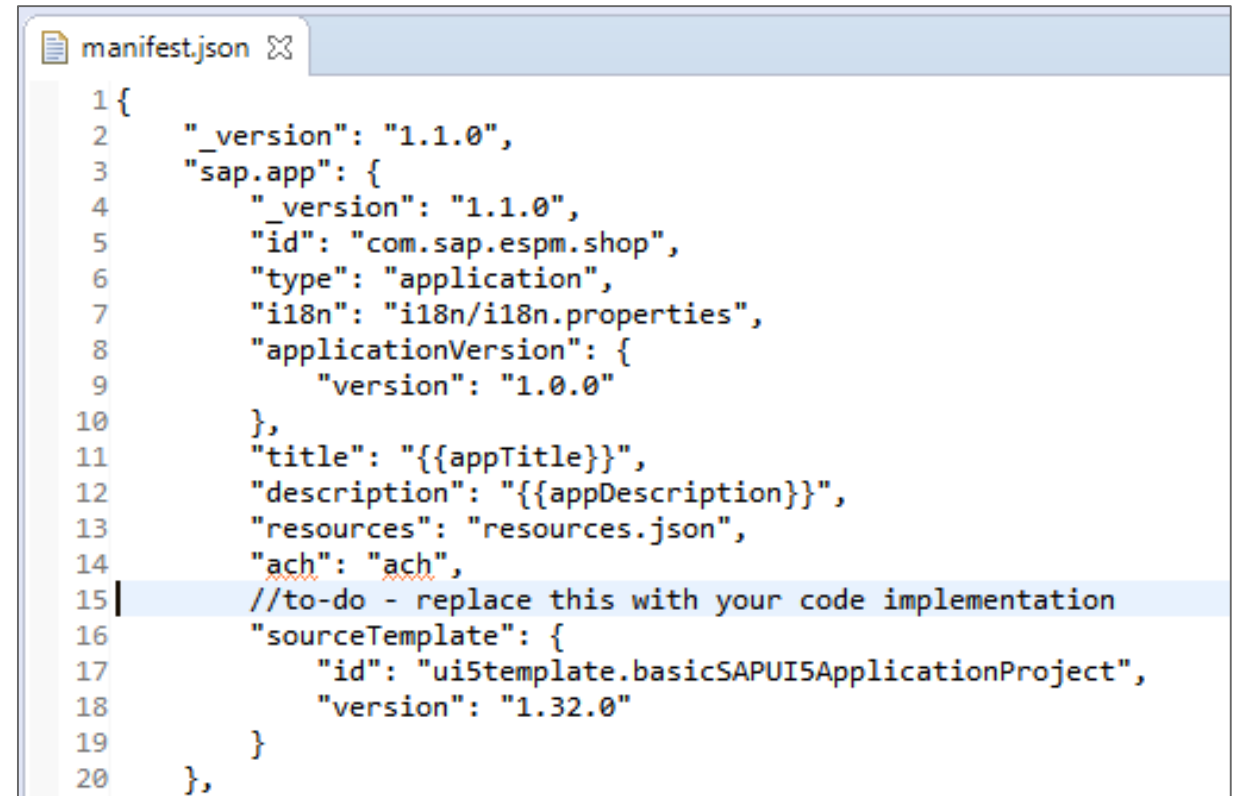


# Developing the SAPUI5 Web Application – Practice

## Hands-on (1)

### Define the Data Source (OData) in manifest.json

- In Eclipse, navigate to the project espm-cloud-web
- Navigate to *src* → *main* → *webapp* → *webshop*
- Open the manifest.json file
- Replace the to-do part as shown in the screenshot with code snippet 1 from the file openSAP\_hcp2\_Week\_2\_Unit\_6\_Exercise
- Save your changes



```
1 {
2   "_version": "1.1.0",
3   "sap.app": {
4     "_version": "1.1.0",
5     "id": "com.sap.espm.shop",
6     "type": "application",
7     "i18n": "i18n/i18n.properties",
8     "applicationVersion": {
9       "version": "1.0.0"
10    },
11    "title": "{{appTitle}}",
12    "description": "{{appDescription}}",
13    "resources": "resources.json",
14    "ach": "ach",
15    //to-do - replace this with your code implementation
16    "sourceTemplate": {
17      "id": "ui5template.basicSAPUI5ApplicationProject",
18      "version": "1.32.0"
19    }
20  },
21 }
```

# Developing the SAPUI5 Web Application – Practice

## Hands-on (2)

### Create the Main Shell for the SAPUI5 App

- In Eclipse, navigate to the project espm-cloud-web
- Navigate to *src* → *main* → *webapp* → *webshop*
- Open the index.html file
- Replace the to-do part as shown in the screenshot with code snippet 2 from the file openSAP\_hcp2\_Week\_2\_Unit\_6\_Exercise
- Save your changes



```
1 <!DOCTYPE HTML>
2 <html>
3
4 <head>
5   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6   <meta charset="UTF-8">
7
8   <title>ESPMWebshop</title>
9
10  <script id="sap-ui-bootstrap"
11        src="https://sapui5.hana.ondemand.com/resources/sap-ui-core.js"
12        data-sap-ui-libs="sap.m"
13        data-sap-ui-theme="sap_bluecrystal"
14        data-sap-ui-compatVersion="edge"
15        data-sap-ui-resourceroots='{ "com.sap.espm.shop": "" }'>
16  </script>
17
18  <link rel="stylesheet" type="text/css" href="css/style.css">
19
20  <script>
21    //to-do - replace this with your code implementation
22  </script>
23 </head>
24
25 <body class="sapUiBody" id="content">
26 </body>
27
28 </html>
```

# Developing the SAPUI5 Web Application – Practice

## Hands-on (3)

### Initialize the Component by Setting the Various Models

- In Eclipse, navigate to the project espm-cloud-web
- Navigate to src → main → webapp → webshop
- Open the Component.js file
- Replace the to-do part as shown in the screenshot with code snippet 3 from the file openSAP\_hcp2\_Week\_2\_Unit\_6\_Exercise
- Save your changes
- Build your application and deploy it
- You should be able to launch the Webshop UI of the app and order a product



```
1 sap.ui.define([
2   "sap/ui/core/UIComponent",
3   "sap/ui/Device",
4   "com/sap/espm/shop/model/models",
5   "sap/m/MessageToast"
6 ], function(UIComponent, Device, models, MessageToast) {
7   "use strict";
8
9   return UIComponent.extend("com.sap.espm.shop.Component", {
10
11     metadata: {
12       manifest: "json"
13     },
14
15     /**
16      * The component is initialized by UI5 automatically during the startup of the app.
17      * @public
18      * @override
19      */
20     init: function() {
21       // call the base component's init function
22       UIComponent.prototype.init.apply(this, arguments);
23
24       //to-do replace this with your code implementation
25
26       //initialize router
27       this.getRouter().initialize();
28     }
29   });
30
31
32 });
```



# Developing the SAPUI5 Web Application – Practice

## What you've learned in this unit

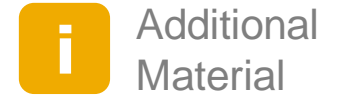
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- Recap: The SAPUI5 Web application of the ESPM application
- How to define data sources in the manifest.json file
- How to create the main shell of the app
- How to initialize the component with various models

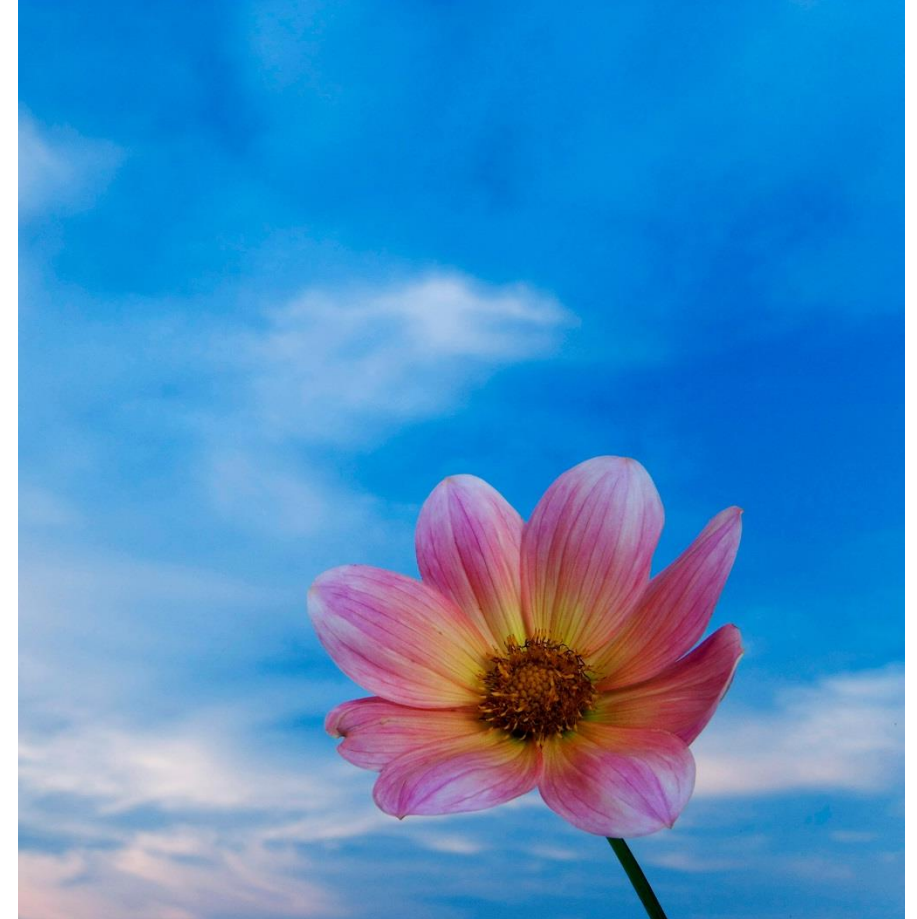


# Developing the SAPUI5 Web Application – Practice

## Further Reading



- SAPUI5 documentation <https://sapui5.hana.ondemand.com/>





# Thank you

Contact information:

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open**SAP**



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