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E-Portfolio
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“Code once.

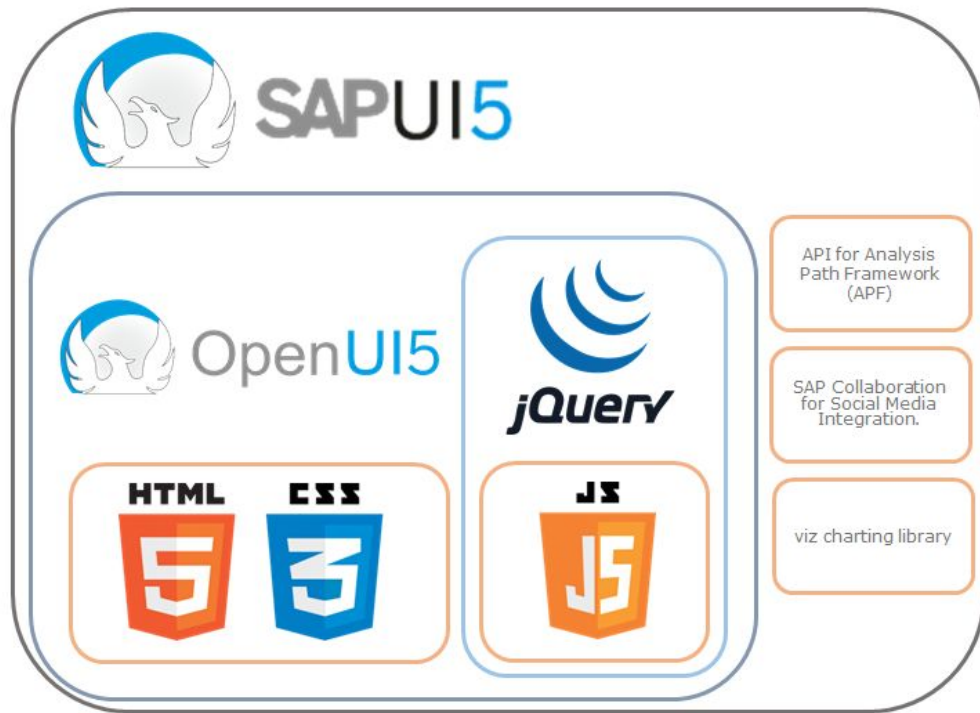
Run on any device.”

Brief History

- SAP started development in 2009 under the codename "Phoenix"
- task: create new UI for SAP
- Free to use since 2013, released under the Apache 2.0 license
- since 2014 they accept contributions via GitHub
- maintained by SAP
- completely free, no paid premium features
- still growing

What's behind OpenUI5?

- JavaScript UI library
- MVC Architecture
- using JQuery as its foundation
- HTML5 rendering library
- CSS3 for the layout



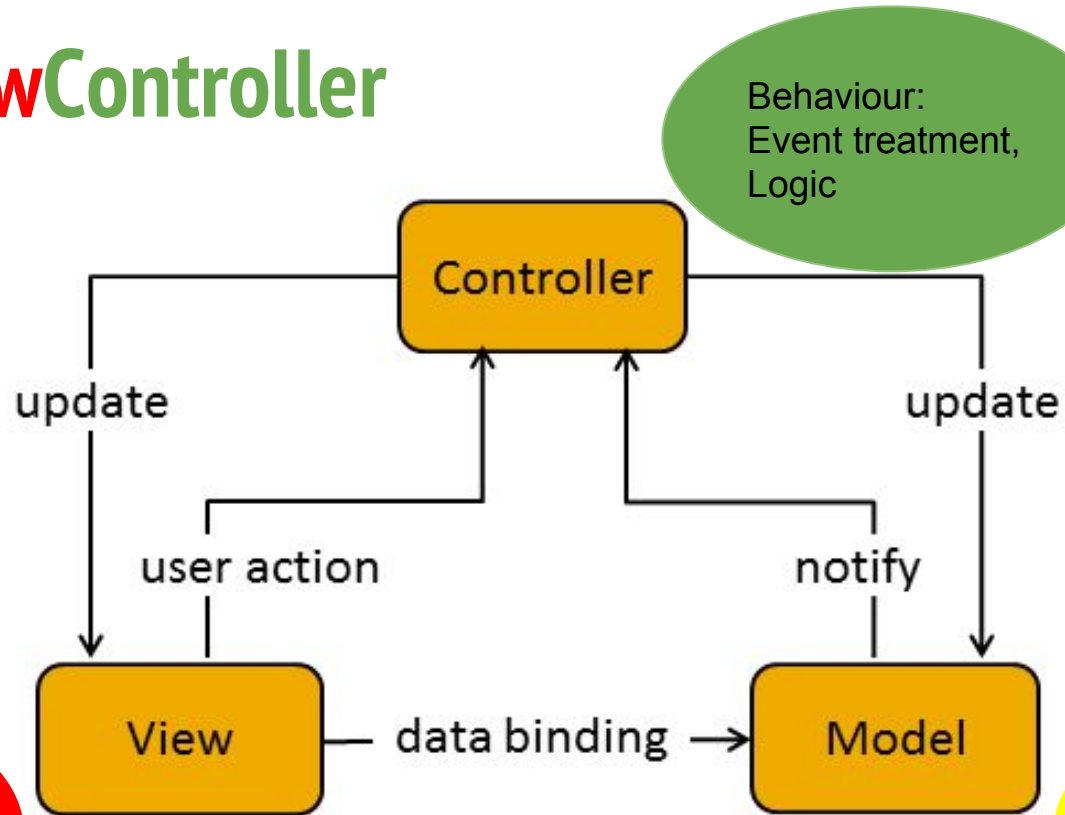
Informations

- including a rich set of [controls](#) - May 2018: 360 UI controls, grouped in cross-device (phones, tablets and desktops)
- supports data binding to different models (JSON, XML and OData)
- different view formats (XML, HTML, JavaScript, JSON)
- automatic chooses the right language from resources (including right-to-left language support)
- uses open sources libraries like
 - LESS
 - CSS processor
 - datajs
 - OData.

Informations

- frequent updates
- responsiveness across browsers and devices
- comes with protection against cross-site scripting and other attacks
- large community
- pretty complex to use in small web applications

ModelViewController



Behaviour:
Event treatment,
Logic

Renderer:
HTML
Structure(CSS)

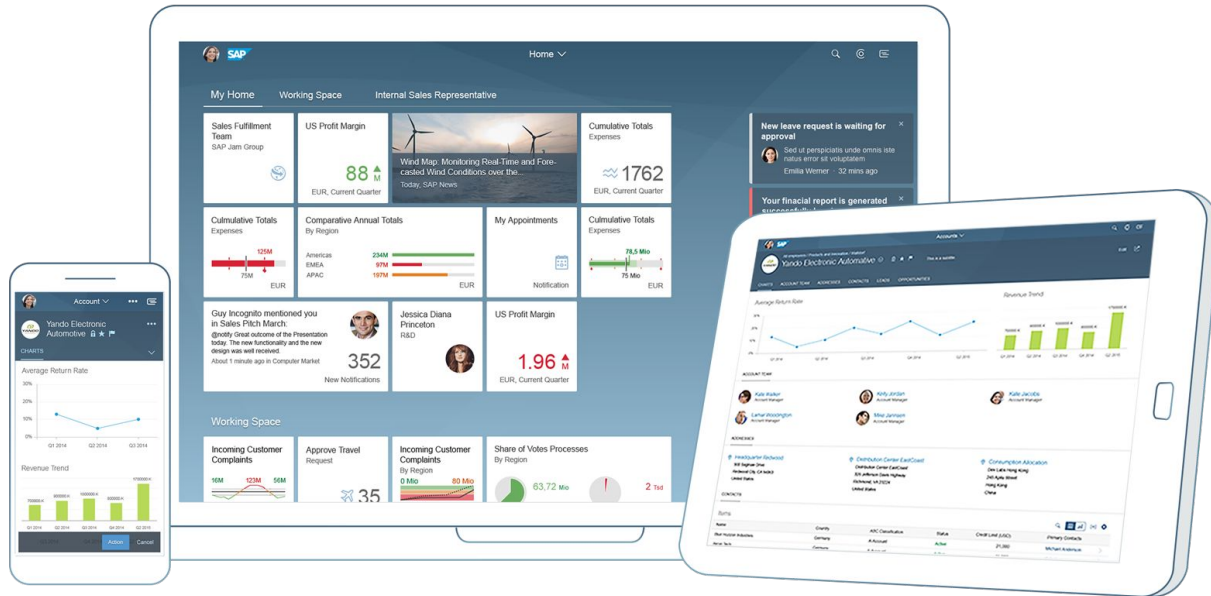
API:
Set/Bind Data

Comparison OpenUI5 and SAPUI5

- both very close related
- like angular.js or backbone.js but from SAP
- main difference is the license
- SAPUI5 is not a separated product, but is integrated in
 - SAP HANA
 - SAP Cloud Platform
 - SAP NetWeaver 7.4 or higher (included in the UI technologies (SAP_UI) component)
 - User interface add-on for SAP NetWeaver for SAP NetWeaver Application Server 7.3x
- most control libraries are the same
 - sap.m, sap.ui.layout, sap.ui.unified, sap.ui.commons, sap.ui.ux3

What is it used for?

- to build enterprise-ready web applications



Companies using OpenUI5/SAPUI5

- Danone
- Adidas
- Nestle
- AOK
- Shell

```
var oModel = new sap.ui.model.json.JSONModel();  
oModel.loadData("sample.json");  
sap.ui.getCore().setModel(oModel);
```

Example

```
sap.ui.localResources("view");  
var app = new sap.m.App({  
    initialPage: "idMain"  
});  
var page = sap.ui.view({  
    id: "idMain",  
    viewName: "view.Main",  
    type: sap.ui.core.mvc.ViewType.XML  
});  
app.addPage(page);  
app.placeAt("content");
```

Hands on

- no need to download something, except the source code
- use your favourite IDE
- just clone the master from <https://github.com/stephan456/OpenUI5.git>
- follow the tutorial

Thank you for your attention