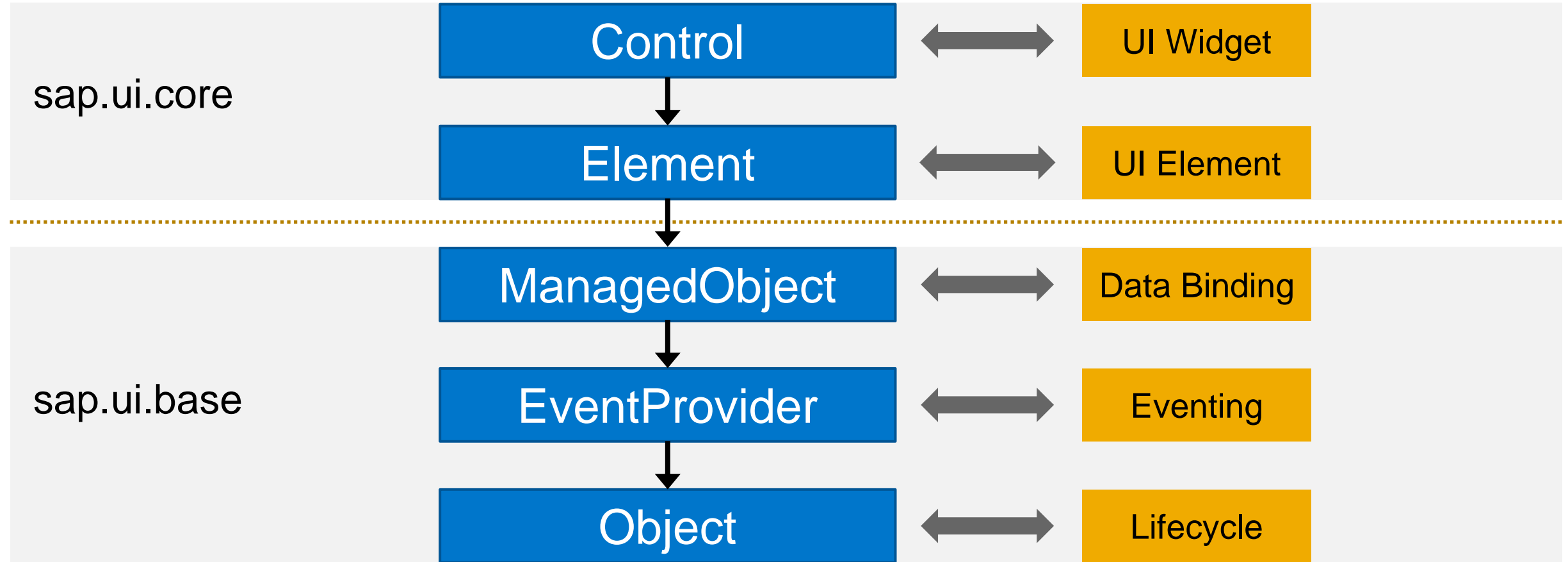


Week 4 Unit 5: **Creating Custom Controls**

Creating Custom Controls

Base classes and inheritance



[Further Reading on Base Classes in SAPUI5](#)

Creating Custom Controls

What are the options?

The `extend()` method is available on all controls and is used to define a new subclass.

Inherited Control

Inherit from any UI5 control class to reuse existing functionality

```
sap.m.Image.extend(sName, oDefinition);
```

Individual Control / Composite Control

Inherit from control the base class for an entirely new control

```
sap.ui.core.Control.extend(sName,  
oDefinition);
```

Warning:

Inheriting from SAPUI5 objects may endanger the updatability of your code. Please refer to the SAPUI5 [Compatibility Rules](#) for more details...

[Developer Guide](#) → [Developing Content](#) → [Developing SAPUI5 Controls](#)

Creating Custom Controls

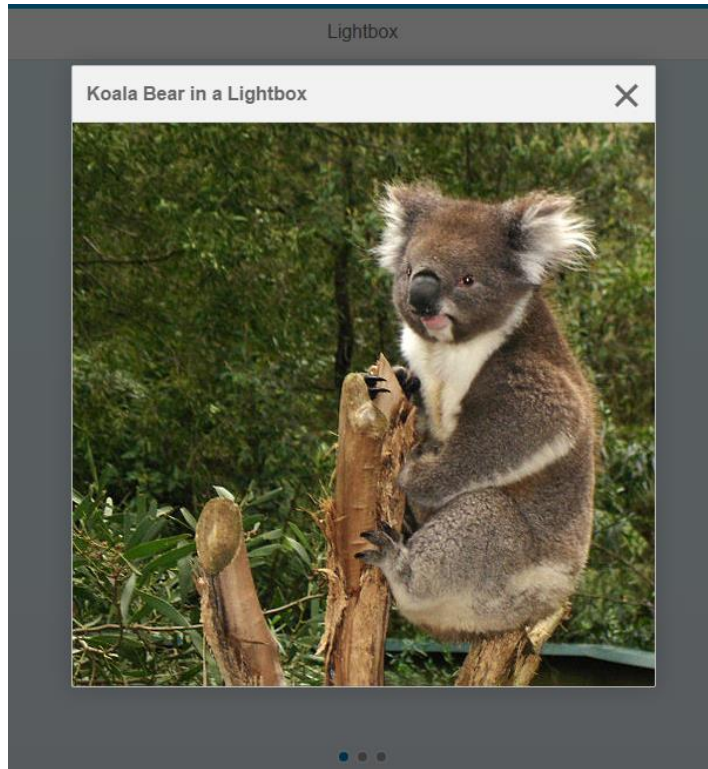
Control backlog



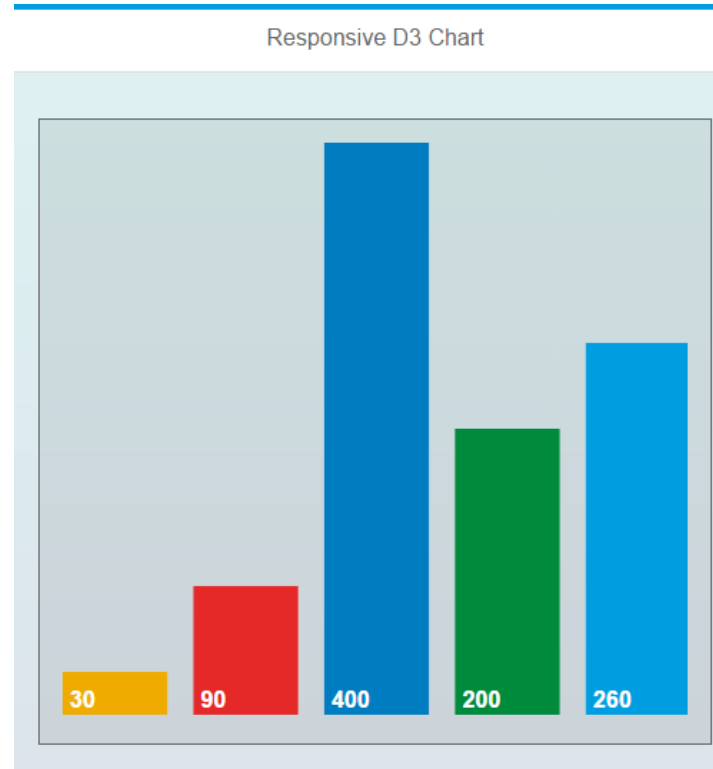
- We want to give our users the possibility to rate a product
- The rating for the product can be submitted by clicking a button
- The new control should throw an event after the user's submission that exposes the current vote value
- The button should only be enabled if the user has changed his vote. Initially, the button should be disabled

Creating Custom Controls

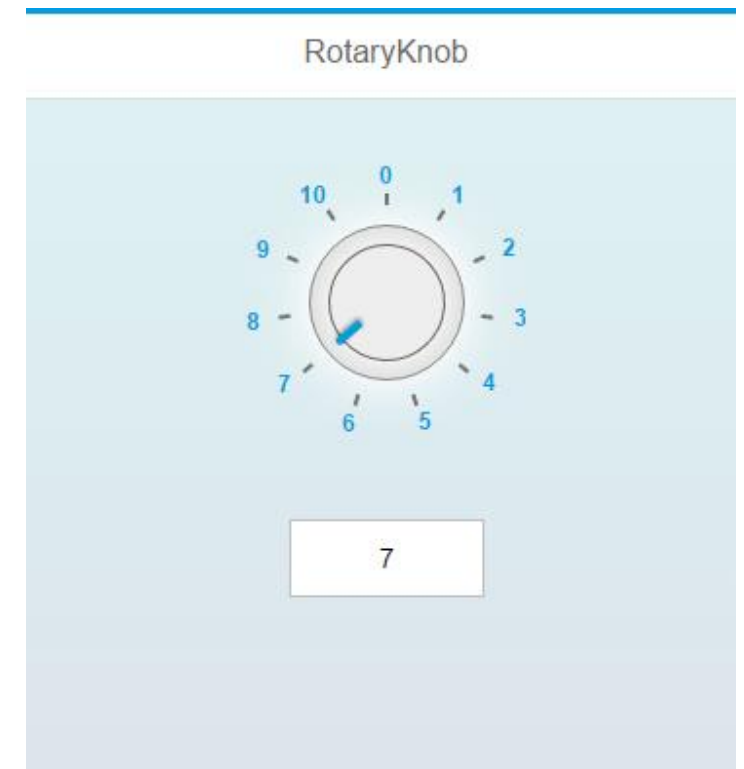
Custom control type examples



Extend Existing Control (Lightbox)



External Library (D3 Chart Control)



Composite Control (Rotary Knob)



Thank you

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