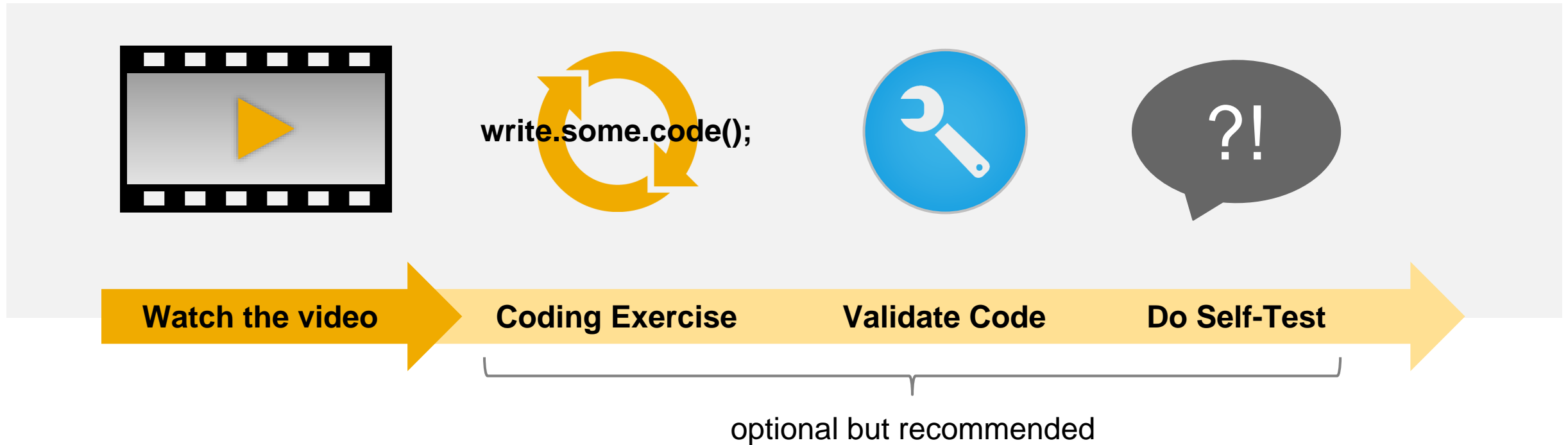


Week 0 Unit 5: A Glance at the Coding Exercises

A Glance at the Coding Exercises

A typical unit this course – Learning by doing



A Glance at the Coding Exercises

How to do a coding exercise

ADD THE FILTERS TO THE CONTROLLER

ManageProducts/webapp/controller/Worklist.controller.js

```
return
BaseController.extend("opensap.manageproducts.controller.Worklist", {
  formatter: formatter,
  mFilters: {
    cheap: [new sap.ui.model.Filter("Price", "LE", 100)],
    moderate: [new sap.ui.model.Filter("Price", "BT", 100, 1000)],
    expensive: [new sap.ui.model.Filter("Price", "GT", 1000)]
  },
  /* ===== */
  /* lifecycle methods */
  /* ===== */
  /**
   * Called when the worklist controller is instantiated.
   * @public
   */
  onInit: function () {
```

We create an object `mFilters` that contains a filter for each tab. We will use the filters for filtering the table. The properties in `mFilters` correlate to the keys of the `iconTabFilter` controls we defined above in the `Worklist.view.xml` file. This way we can easily access a filter for a given tab based on the key of the corresponding tab.

Creating a simple filter requires a binding path as first parameter of the filter constructor (e.g. "Price"), a filter operator (e.g. "GT") as second argument, and a value to compare (e.g. 1000) as the third argument. We create such filters for all three tabs with different filter operators as described in the view part above.

Note:
You may notice that we have different currencies in the product table. If we create a filter solely on the price field then it might not reflect the actual value of the product in a common currency like EUR. However, we want to keep this example free of any currency conversions and therefore live with this side-effect.

Unit Exercise Handout



SAP Web IDE



SAP Web IDE
Testing Tools



Validator Script

A Glance at the Coding Exercises

How to run the validator

Preparation:

Include validator script in index.html and run the app

1 Press the Button or F9



openSAP - Developing with SAPUI5

Getting Started Containers and Layout Data Binding

Products

HT-1000	Notebook Basic 15	956.00
HT-1001	Notebook Basic 17	1249.00
HT-1002	Notebook Basic 18	1570.00
HT-1003	Notebook Basic 19	1650.00
HT-1007	ITelO Vault	299.00
HT-1010	Notebook Professional 15	1999.00
HT-1011	Notebook Professional 15	2299.00
HT-1021	ITelO Vault SAT	459.00
		149.00

2 Select a Unit

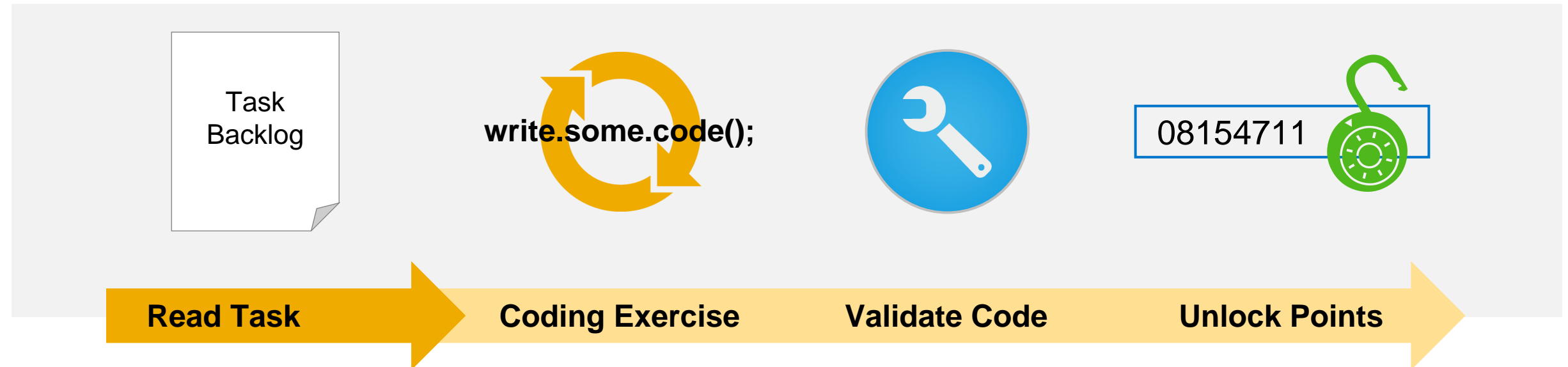
3 Check Results

All good! Week 2 Unit 1 100%

- Go to tab with key 'db': Opened tab ✓
- Find a list inside the tab: Found the list inside the IconTabFilter ✓
- Check that the list is not empty: The list is not empty ✓

A Glance at the Coding Exercises

How to do a bonus exercise





Thank you

Contact information:

open@sap.com

open**SAP**

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.