WEEK 0 UNIT 5 A GLANCE AT THE CODING EXERCISES

Please use these instructions to perform the exercises in the course as shown in the video.

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Preview

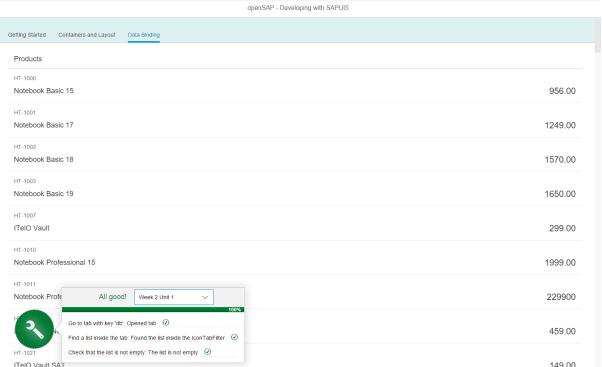


Figure 1 - The code validator running in your app





Using the coding exercise handouts

This section explains how to use the handouts for the coding exercises in this course.

Explanation

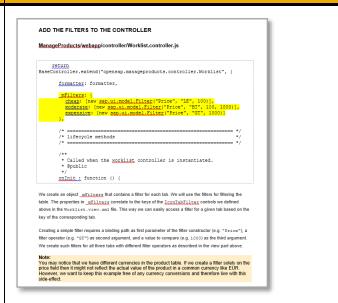
Screenshot

1. Open the exercise document after you have watched the unit video.

Follow the steps described in the document by applying the changes marked in yellow to your app project in SAP Web IDE.

Note: Exercise types

The exercises for a unit can be either configuration steps, code changes, or a mixture of both



- 2. Code changes follow the following pattern:
 - File to be changed
 - Changes marked in yellow
 - Explanation of the changes below

Check the result of your changes frequently by running

Note:

the app.

Make sure that your changed files are saved. Unsaved changes are marked with an asterisk (*) behind the filename.



1 ADD THE VALIDATOR SCRIPT TO YOUR APP PROJECT

This script will check the course exercises and only needs to be set up once for each app project.

webapp/index.html

The validator script for this course is hosted on a public GitHub repository. Just add the script tag after the SAPUI5 boostrap tag. It injects a button that can run tests against your application coding to verify the functionality that you have added.

Note: Validator issues

As the URL and functionality of the validator may change at short notice during the course, be sure to check the forum announcements for additional details. Running the validator is optional, but we recommend you check your exercise coding with it.



2 VALIDATE YOUR EXERCISE CODE

This script will check the exercises starting Week 1 Unit 1 to Week 4 Unit 5 and the bonus exercises. Validating your code is optional but may be helpful to check if your exercise code is correct.

Explanation	Screenshot
After adding the script tag to your "index.html" file, run your app with one of the run configurations.	HT-1011
You should see a blue button with a wrench icon in the lower left area of the screen.	Notebook Professional 17
Note: Validator issues As the URL and functionality of the validator may change at short notice during the course, be sure to check the forum announcements for additional details.	ITe. at Net
Click the "Validate" button or press F9 to open the validator menu.	Notebook Profest Select:
Click the Select menu to open the unit selection.	ITel Net Please select a unit
Note: Cookies The first time you call the validator, or when you clear your browser cookies, the selection is empty. Afterwards, the last executed unit will be saved as a cookie for your convenience.	
Choose the unit that you are currently working on and you want to validate.	Notebook Professional 15 Week 1 Unit 5 Week 1 Unit 6
The tests will automatically start to run and the progress is updated after each test is	HT-1011 Week 2 Unit 1
executed.	Notebook Profest Select: Week 2 Unit 1
Note: Previous tests As you build up your app during the course, you will refactor some parts. Therefore, not all tests from the previous units will run successfully.	ITel Net Please select a unit

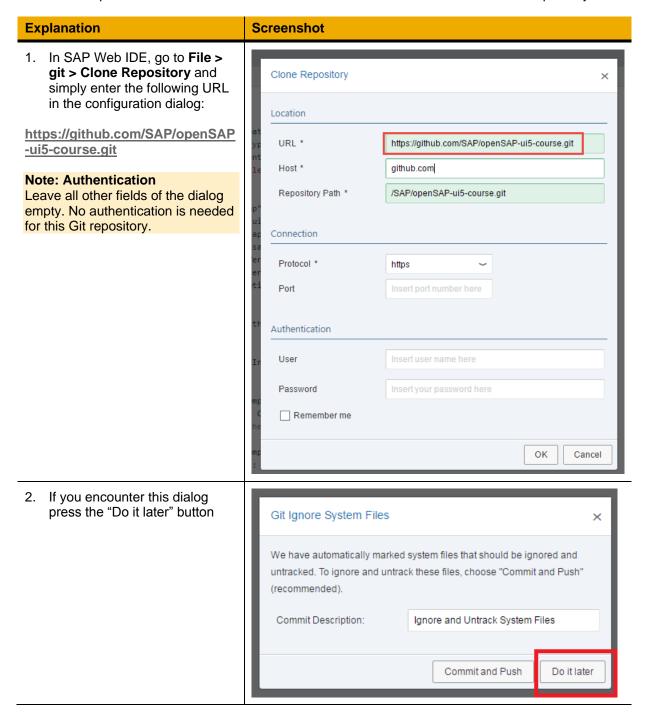


Explanation Screenshot If there is a problem with your exercise coding, you will get an Notebook Profes: Validating... Week 1 Unit 1 error message in the result window of the validator. 7. Check the error message, fix Find a carousel in the app **ITel** let the code that causes the issue, and run the validator again. HI-TUTT Notebook Profess 8. You can trigger another test run Failed! Week 1 Unit 1 by clicking the Validate button again if you think that there was a problem with the test Find a carousel in the app: could not find it execution. ITel **Note: Test logic** The tests will check that certain conditions are fulfilled in your app. They rely on specific controls being used, nesting orders, aggregations being filled, or IDs set to a value that is specified in the exercise documents. You need to stick closely to the solution exercises, otherwise the validation will probably not work. 9. Once all tests have run successfully, the validator will All good! Week 2 Unit 1 HT-1011 display a success message. Noteba Profes: You have successfully validated Go to tab with key 'db': Opened tab your exercises. Find a list inside the tab: Found the list inside the IconTabFilter ITel Check that the list is not empty: The list is not empty UT 1021



3 LOAD AN EXERCISE SOLUTION

This section explains how to load an exercise solution for one of the units from the code repository





Explanation Screenshot The Git project with the solution * opensap_ui51 [master] code and the sample mock w1u1 data is added to your workspace. w1u2 w1u3 w1u4 w1u5 w1u6 w2u1 w2u2 w2u3 4. Copy the contents of one of the w2u1 15 folders (e.g. w2u1 is week 2 unit 1) over to your app project New > to reset your workspace. neo-app.json Import > 🔃 • w2u2 **Note: Copying folders** w2u3 Export Right-click and select "copy" on the solution folder. Then right-click your w2u4 Adapt UI project root folder and select w2u5 "paste". Archive w2u6 For technical reasons, it is not Add Reference to Library w2u7bonus possible to override folders in w3u1 Cut Ctrl+X SAP Web IDE; you have to delete or rename the old contents in the → w3u2 Сору project folder first. 5. We will provide the solutions on a weekly basis. Therefore, you will have to fetch and rebase if on the solution for your unit is not yet in your workspace. To do so, select the folder "opensap ui51" in your workspace and switch to the Git pane on the right side. non", reOptions", ∆ggregation



Explanation Screenshot 6. Click the "Fetch" button, wait for Git the success message. Then click the "Rebase" button to Repository openSAP-ui5-course update your project. master Branch 7. If there are new changes in the Git repository, new files and folders will now be added to your workspace. Pull Fetch Rebase Commit



4 VALIDATE YOUR BONUS EXERCISE

This script will check the bonus exercises that are offered in week 2 and 4 of the course. Validating your code is required to check your exercise code and to score the bonus points.

Screenshot Explanation 1. Run the validator as described Notebook Professional 15 in the previous steps, but this Week 2 Bonus Exercise time select the bonus exercise from the selection menu. HT-1011 Week 2 Unit 1 Notebook Profess Note: Validator issues Select: As the URL and functionality of the validator may change at short notice during the course, be sure to Please select a unit check the forum announcements ITel **let** for additional details. 2. If there is a problem with your Notebook Profes: exercise coding, you will get an Validating... Week 1 Unit 1 error message in the result window of the validator. 100% Find a carousel in the app 3. Check the error message, fix ITelo let the code that causes the issue, and run the validator again. HI-TUTT Notebook Profess **Note: Test logic** Failed! Week 1 Unit 1 The tests will check that certain conditions are fulfilled in your app. They rely on specific controls being Find a carousel in the app: could not find it used, nesting orders, aggregations Tel **Vet** being filled, or IDs set to a value that is specified in the exercise documents. You need to stick closely to the task of the exercise, otherwise the validation will probably not work. 4. Once all tests have run HT-1011 successfully, the validator will All good! Week 2 Bonus Exer... Profes: Noteb display a result code. 100% 5. You have successfully validated your exercises. Find a carousel: Found it! Copy the code into your ITel Your result code is: 1387281626 clipboard!



Explanation		Screenshot
6.	Start the quiz for the bonus exercise. There will only be one question with an input field for your answer.	Bonus Exercise 1 - Map Lo
		Question 1
7.	Paste the code in the corresponding field of the openSAP exercise platform and press submit to score the extra points.	You have successfully validated your exe Please copy the code into your clipboard

Coding Samples

Any software coding or code lines/strings ("Code") provided in this documentation are only examples, and are not intended for use in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules for certain SAP coding. SAP does not warrant the correctness or completeness of the Code provided herein and SAP shall not be liable for errors or damage caused by use of the Code, except where such damage was caused by SAP with intent or through gross negligence.

