

Week 0 Unit 4: Debugging and Troubleshooting

Debugging and Troubleshooting

SAPUI5 support tools

Technical information dialog

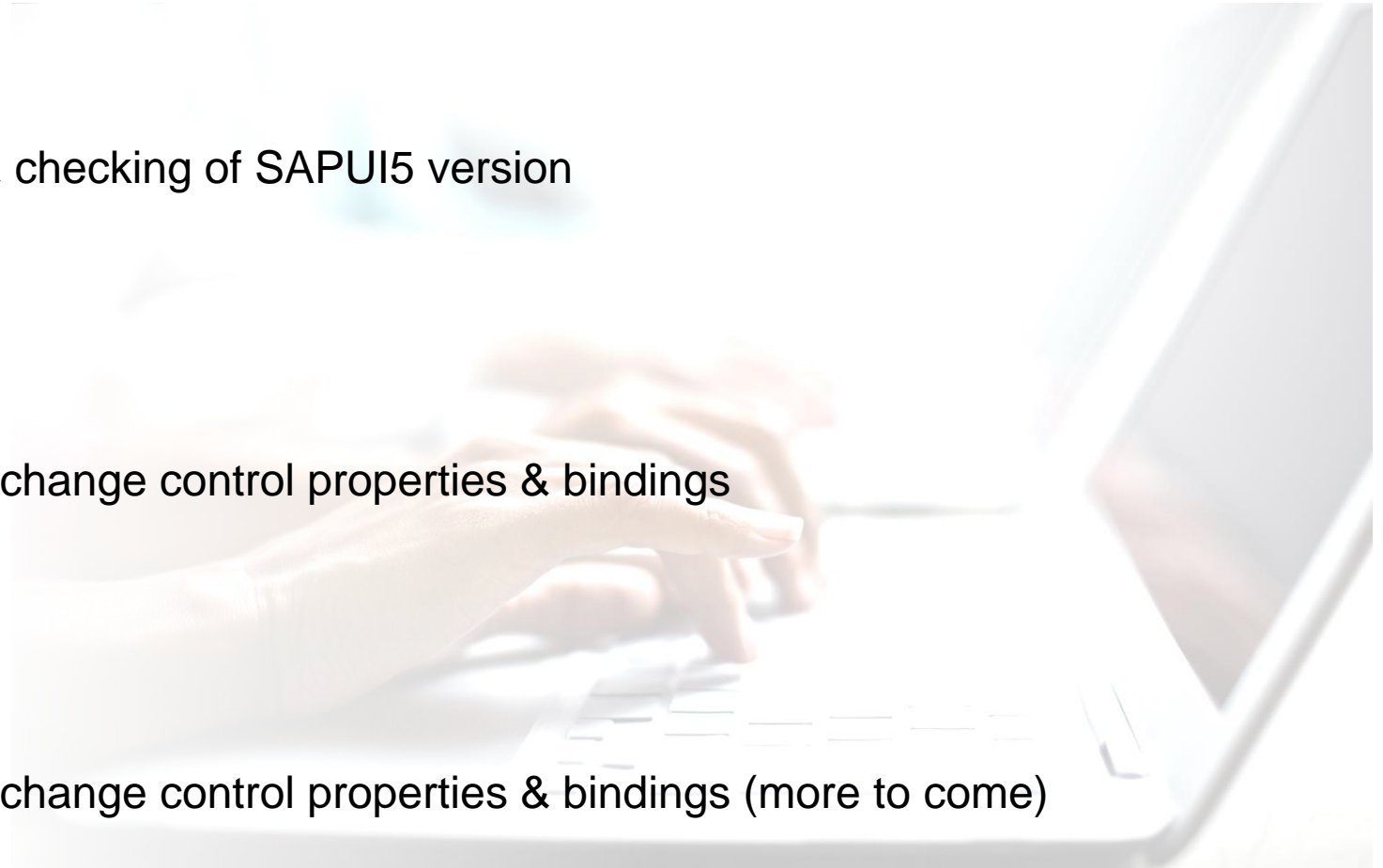
- CTRL + ALT + SHIFT + P
- Main features: enabling of debug sources & checking of SAPUI5 version
- Works on our supported desktop browsers

Diagnostics window

- CTRL + ALT + SHIFT + S
- Main features: SAPUI5 control tree, view & change control properties & bindings
- Works on our supported desktop browsers

UI5 inspector

- Chrome developer tools extension (F12)
- Main features: SAPUI5 control tree, view & change control properties & bindings (more to come)
- Works only with Google Chrome



Debugging and Troubleshooting

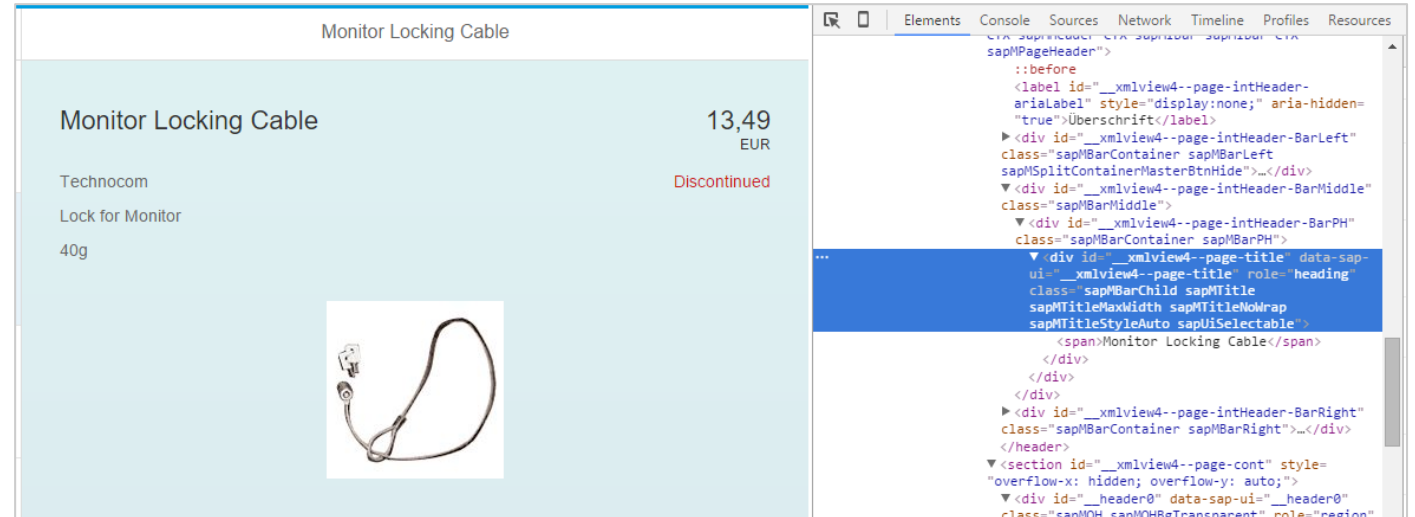
Useful SAPUI5 methods for debugging

Retrieving a control in the console

- **yourControl** = `sap.ui.getCore().byId("yourID")` ;
- **yourControl** = `$($0).control(0)` ;
(if the respective DOM element is selected in the Elements tab)

Getting information about a control

- **yourControl.getMetadata()** → useful to check for the class details
- **yourControl.getParent()** → returns the parent control in the control tree
- **yourControl.** → shows you all available methods in the console



Debugging and Troubleshooting

Tips & tricks

General

- Use Google Chrome if possible for debugging
- Check the console log for errors (press F12 key in Chrome)
- Set breakpoints and step through your code to understand where something is going wrong

SAPUI5

- If your control is not visible, check in the DOM inspector if your respective HTML exists
- Use debug sources for easier debugging
- Check if your respective file is loaded or if there is a 404 (Not Found) error on the Network tab
- Check if your respective file contains the changes you made on the Sources tab
- Have a look at the [Troubleshooting section](#) in the Demo Kit



Thank you

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