Starting with Lesson 3 MD18

Assignment

In this lesson, you will extend the Web service of lesson 2. It will read data from an XML file, implement a search mechanism, get some additional information from an external Web service, and manipulate data.

The development process will be iterated through two times. In the first iteration, you will use the file system adapter to read product data from the XML file, a filtering mechanism will be implemented, and you will learn how to work with **arrays**. In the second iteration, you will use the SOAP adapter to call a SOAP operation. The exchange rate conversion example will be reused, and you will learn how to work with further E2E Action Language operations, actions with special behavior, and iterations.

The example will be ready to be compiled and deployed after each iteration of the development process. At that points, you will be able to test the Web service with the E2E Interactive Debugger and see first results.

Reusing the Lesson 2 Model

Open the E2E Builder project **Education**, and open the UML® model file **lesson2** if it has not been opened directly. Save the file as **lesson3**.

Select the diagram tab **Product Query Overview** to display the use case diagram in the diagram pane. Then, right-click the tab and select **Close All Tabs But Current**. This will close all open diagrams except the use case diagram **Product Query Overview**.

Needed Files

The lesson 3 service will read data from an XML file and call an external web service. The XML file **catalog.xml** and the **WSDL of the ExchangeRateProvider web service** are provided with the E2E examples, or can be downloaded from this page by clicking on the links.

Make sure, that you can locate the file **catalog.xml** on your system. Keep the file path in mind, where you actually installed/downloaded the file to, as you will need it in the UML model when defining the file backend in the component diagram.

Extending the Web Service