

# Extending the Web Service Lesson 3 MD18

In lesson 2, the example of lesson 1 was extended. In lesson 3, you will reuse and extend the example of lesson 2 again. The Web service will be capable of searching products in a file.

In lesson 1 and 2, the development process was discussed. Below, you find the components and steps of a logical design process:



1. **Use cases** (Describe roles and their activities.)
2. **Classes** (Define static data structures.)
3. **Web service interface** (Define the port type for modeling the interface with its operations.)
4. **Activities** (Implement choreography, system behavior, backend adapters.)
5. **Sequences** (Describe system behavior.)
6. **Components** (Define the system components.)
7. **Compilation** (Compile the UML model with the E2E Model Compiler.)
8. **Testing** (Debug and test the compiled service with the E2E Interactive Debugger and the E2E Analyzer.)
9. **Deployment** of E2E xUML services to an E2E Bridge

You will also follow these design steps during lesson 3. This time, as it is an iterative process, you will go through this development process more than once.



First Iteration