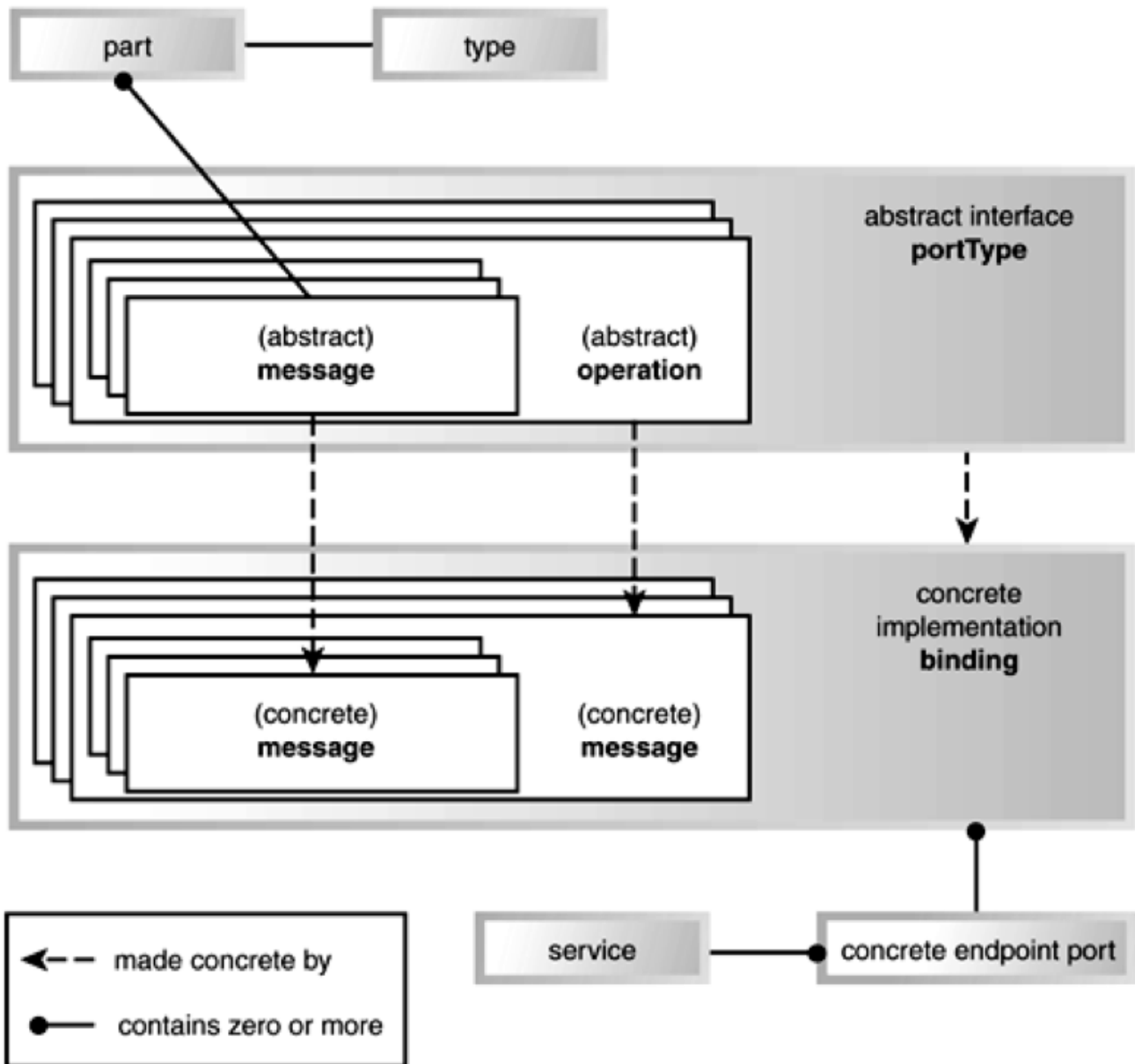


# Tutorial 7

1. What is WSDL?
2. Which elements in WSDL correspond to ABC?
3. What is created first, WSDL or a service?



Source: *Building Web Services with Java™: Making Sense of XML, SOAP, WSDL, and UDDI*

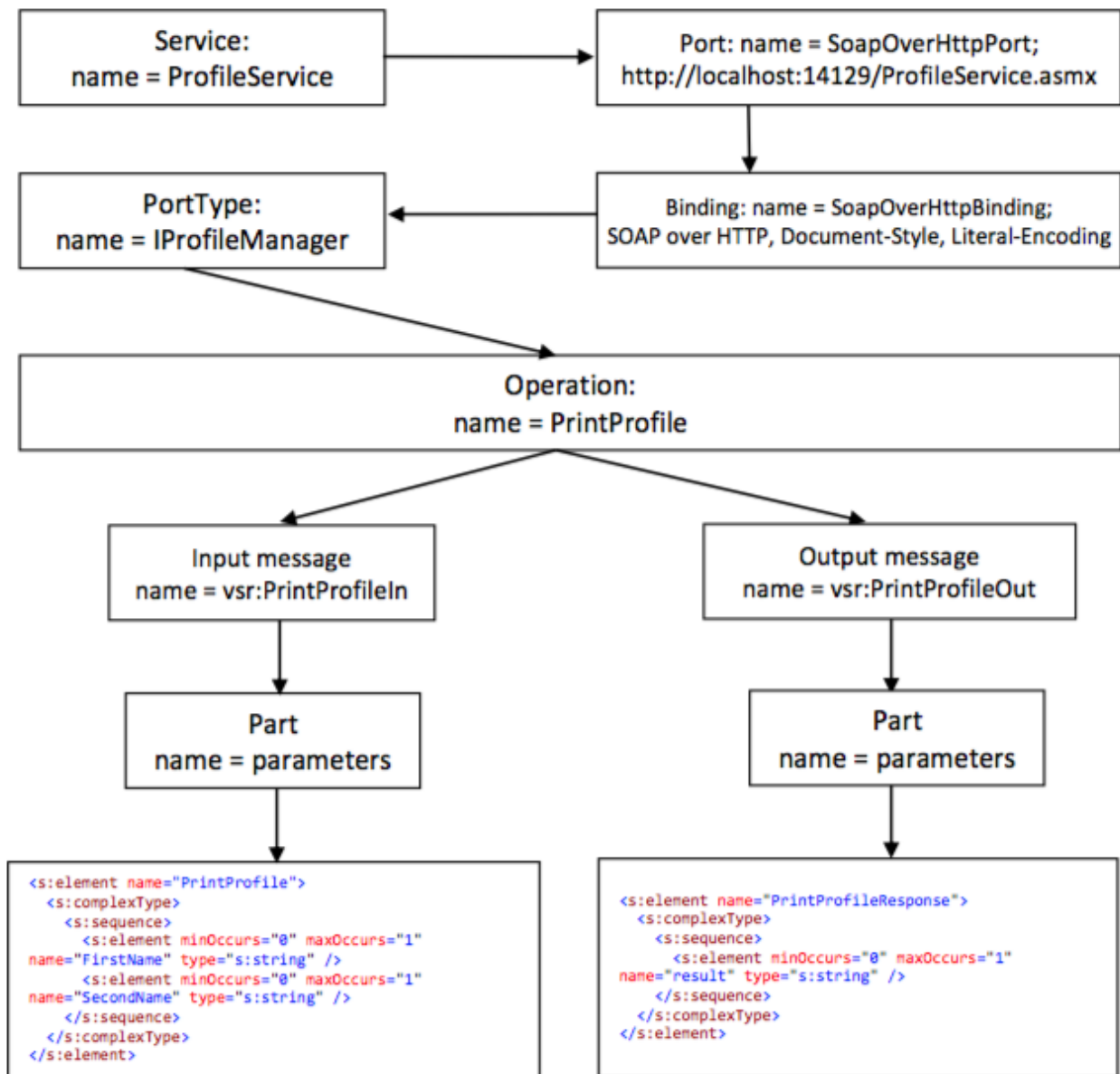
## Task 1

In the project below (this project requires Visual Studio) you will find a template for a simple Web service and a template for its WSDL1.1 description (*ProfileService.wsdl*).

1. Based on the given diagram complete the WSDL description
2. Based on the WSDL description, generate a service stub class for (for more details see PDF

below)

3. Complete the implementation of the PrintProfile operation by returning a concatenation of its parameters





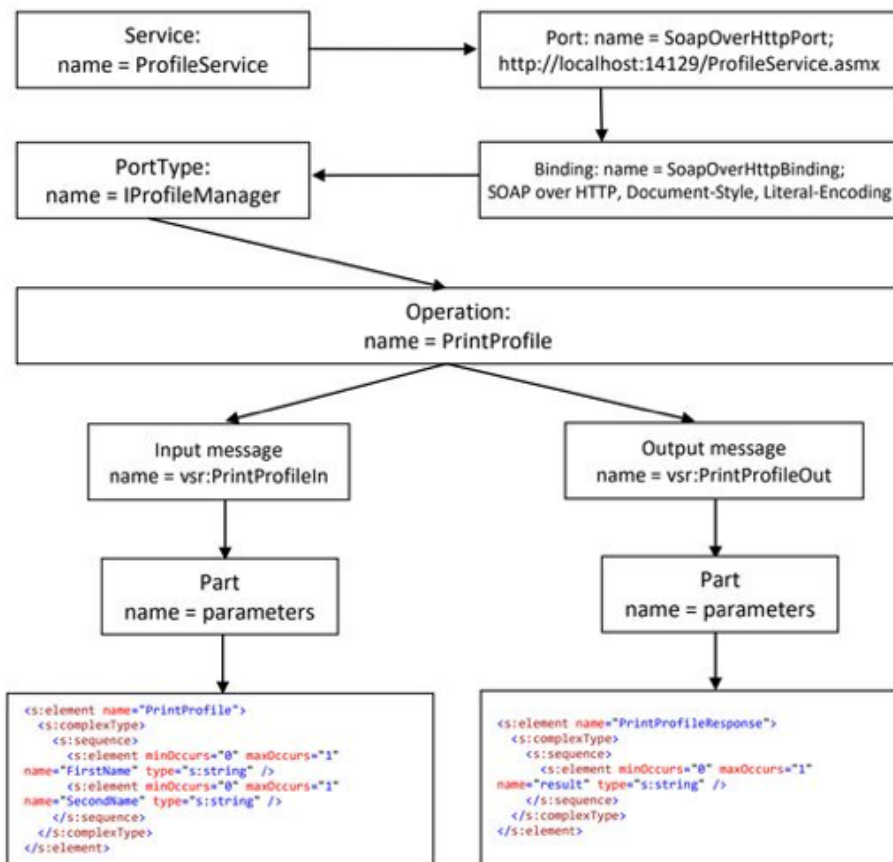
# SSE | Tutorial 7

Note: This tutorial requires tools that are not yet available for .NET Core, i.e., the tutorial does only work on Windows.

## Exercise 1

In the project *ProfileService\_uncompleted.zip* you will find a template for a simple Web service and a template for its WSDL1.1 description (*ProfileService.wsdl*).

1. Based on the following diagram complete the WSDL description:



2. Based on the WSDL description above, generate a **service stub** class:
  - a. Go to Start → All Programs → Microsoft Visual Studio → Microsoft Visual Studio Tools → Developer Command Prompt
  - b. `cd PATH_TO_YOUR_PROJECT`



tutorial7.pdf

Shared on Dropbox



**Tutorial7-Task1-Template.zip**

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**Tutorial7-Task1-Solution.zip**

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## Assignment 1

In the given solution below (again Visual Studio only) create a subproject, which should be a simple Web service for sorting an array of integers (input: `int[]`, output: `int[]`)

Implement the service client in the subproject `SortServiceClient`, which should invoke the service above. Use an automatically generate proxy class. For more details see PDF from Task 1.



**Tutorial7-Task2-Template.zip**

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**Tutorial7-Task2-Solution.zip**

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