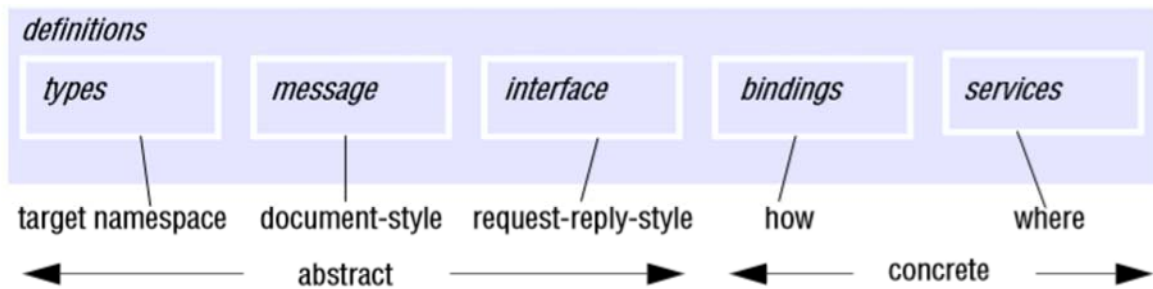


5 Specifications of Web Services

Saturday, January 12, 2019 2:04 PM

- Service description = basis of an agreement between client and server
 - Used to generate client stubs and implement the correct behavior automatically
- WSDL: WS Description Lang [[example](#)]
- Separates elements into:

The main elements in a WSDL description



- Definitions: root element; defines name of web service, declares the namespaces used
- Types: data types used in the message in the form of xml schemas
 - o What are variables? Int, string, float etc. What are they named?
- Message: messages exchanged between the client and service, with argument mappings
- Interface: a collection of operations belonging to the web service (also called portType), with input/output message formats assigned to them

Name	Messages sent by		Delivery	Fault message
	Client	Server		
In-Out	<i>Request</i>	<i>Reply</i>		May replace <i>Reply</i>
In-Only	<i>Request</i>			No fault message
Robust In-Only	<i>Request</i>		Guaranteed	May be sent
Out-In	<i>Reply</i>	<i>Request</i>		May replace <i>Reply</i>
Out-Only		<i>Request</i>		No fault message
Robust Out-Only		<i>Request</i>	Guaranteed	May send fault

- Binding: which message formats and form of external data representations are to be used
 - o SOAP, CORBA or MIME
- Services: on what URL will the service be available