TD 2

Web Service Concat

What Done

Implemented Web Service

```
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OPEN EDITORS
          WSConcat.java Tuto2\WSConcatService\si
         WSConcatImpl.java Tuto2\WSConcatServic...
DASA
                                                                                                        <groupId>org.jvnet.jax-ws-commons
                                                                                                         <version>2.3

<artifactId>jaxws-maven-plugin</artifactId>

■ Java
                                                                                                                      <goal>wsgen</goal>
                                                                                                                   <configuration>
  <configuration>
   <sei>net.tuto2.ws.service.concat.WSConcatImpl</sei>
  <genWsdl>true</genWsdl>

■ concat

MSConcat.java

                        WSConcatImpl.java
       ▶ webapp
                                                                               PROBLEMS 117 OUTPUT DEBUG CONSOLE TERMINAL
                                                                                                                                                                                                                                                                                                              ▼ + Ⅲ 前 ^ ×
                                                                               Jun 30, 2019 3:08:39 PM com.sun.xul.ws.transport.http.servlet.WSServletContextListener contextInitialized
INFO: MSSERVLET12: JAX-MS context listener initializing
Jun 30, 2019 3:08:39 PM com.sun.xul.ws.transport.http.servlet.WSServletContextListener contextInitialized
INFO: MSSERVLET12: JAX-MS context listener initializing
[INFO] Started o.e.j.m.p. JettyWebAppContextEle54cb33(JNSConcatService,file:/C:/Users/Admin/Desktop/Code/DASA/Tuto2/MSConcatService/src/main/webapp/
[AMAILABE,Ff18:/C:/Users/Admin/Desktop/Code/DASA/Tuto2/MSConcatService/src/main/webapp/}
[INFO] Started ServerConnector@402fcf14(HTTP/1.1){0.0.0.0:08000}
[INFO] Started Jetty Server
```

Generated WSDL files

```
WSConcat.wsdl - DASA - Visual Studio Code
                                                                                                                                                                                                            ♦ ឯ ⊞ ።
OPEN EDITORS
                                                  Tuto2 ▶ WSConcatService ▶ target ▶ generated-sources ▶ wsdl ▶ 🔊 WSConcat.wsdl
                                                          MyConcatAgent.wsdl Tuto2\WSConc... M
                                                            <types/>
<message name="concat">
  <part name="str1" type="xsd:string"/>
  <part name="str2" type="xsd:string"/>
⊿ DASA
         <message name="concatResponse">
    cypart name="return" type="xsd:string"/>

■ concat

             WSConcat.class
                                                              WSConcatimpl.class

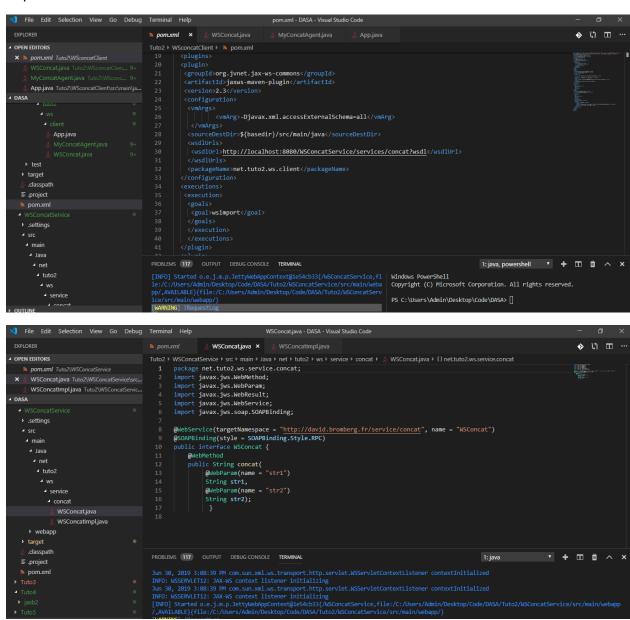
■ generated-sources

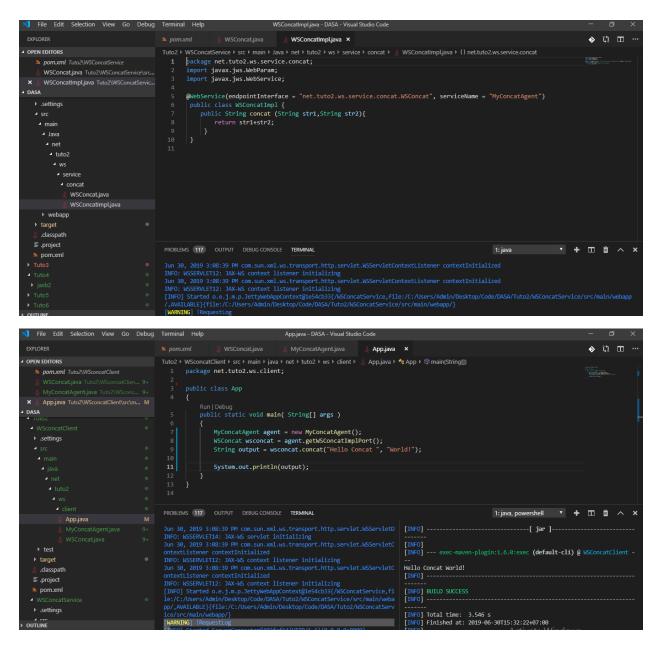
■ WSConcat_schema1.xsd

■ WSConcat.wsdl

     ▶ wsgen
                                                  PROBLEMS 117 OUTPUT DEBUG CONSOLE TERMINAL
                                                                                                                                                                         1: java, powershell • + 🖽 🛍 ∧ 🗙
                                                  Jun 38, 2019 3:88:39 PM com.sun.xml.ws.transport.http.servlet.NSServletC ontextListener contextInitialized INFO: NSSERVLET12: JAX-NS context listener initializing [INFO] Started o.e.j.m.p.JettykebAppContextfilesAcb33{MsConcatService,fi le:/c:/Users/Admin/Desktop/Code/DASA/Tuto2/MSConcatService/src/main/webapp/pp/,PAVALIABE1{file:/c:/Users/Admin/Desktop/Code/DASA/Tuto2/MSConcatService/src/main/webapp/} [INFO] Total time: 3
     .classpath
   nom.xml
```

Implemented Client:





What Working

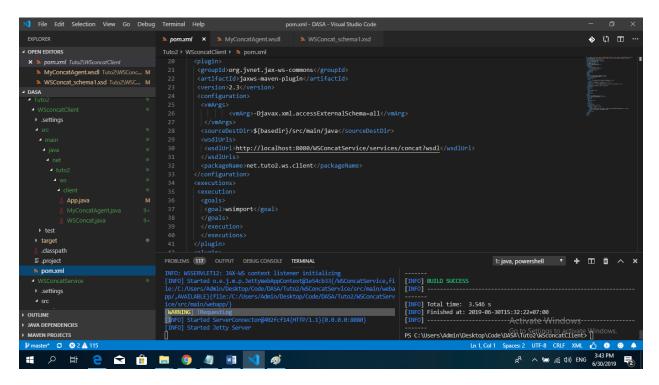
The above steps are working.

Received Output: Hello Concat World! Via run: mvn exec:exec of Client.

What Not Working

In Client, Plugin jaxws-maven-plugin was not working as in the Tutorial.

Took a lot of time to debug.



How it works

From Server side, it generated wsdl files and run the service.

From Client side, it read the wsdl via service and generated Classes.

The App can use the generated classes as local class and the framework will do the sending and getting the message from remoted functions which is on the server.