

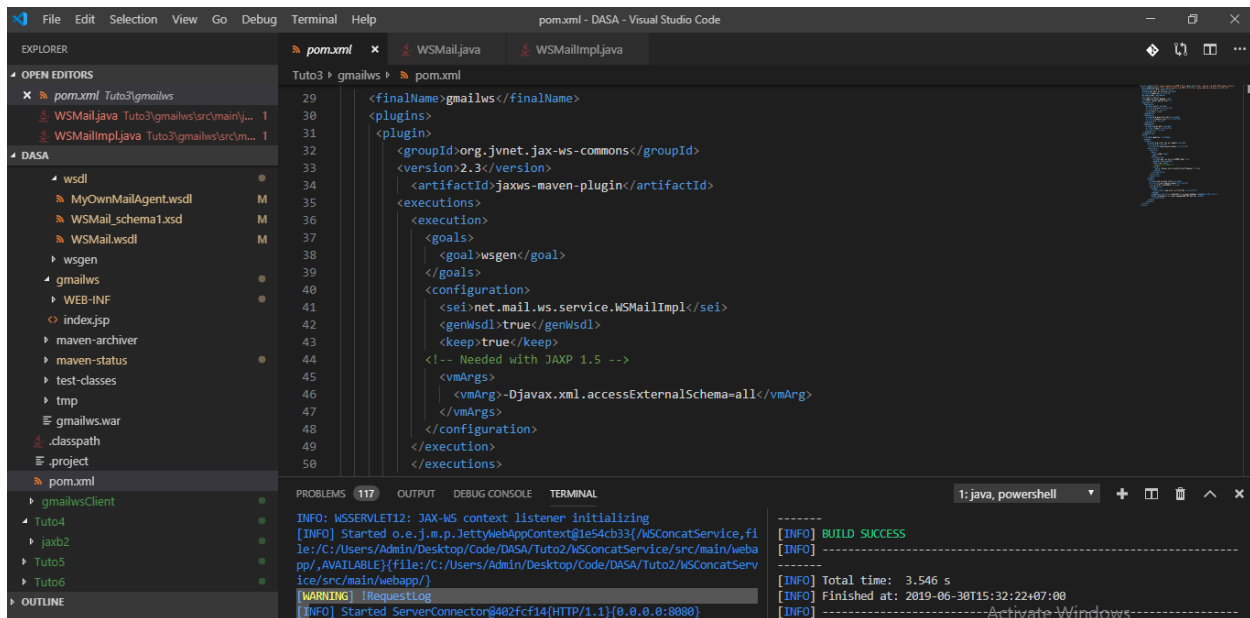
TD 3

Web Service Gmail

What Done

Similarily as TD2,

Implemented Service -> WSDL -> Implemented Client -> Generated Classes -> Use classes

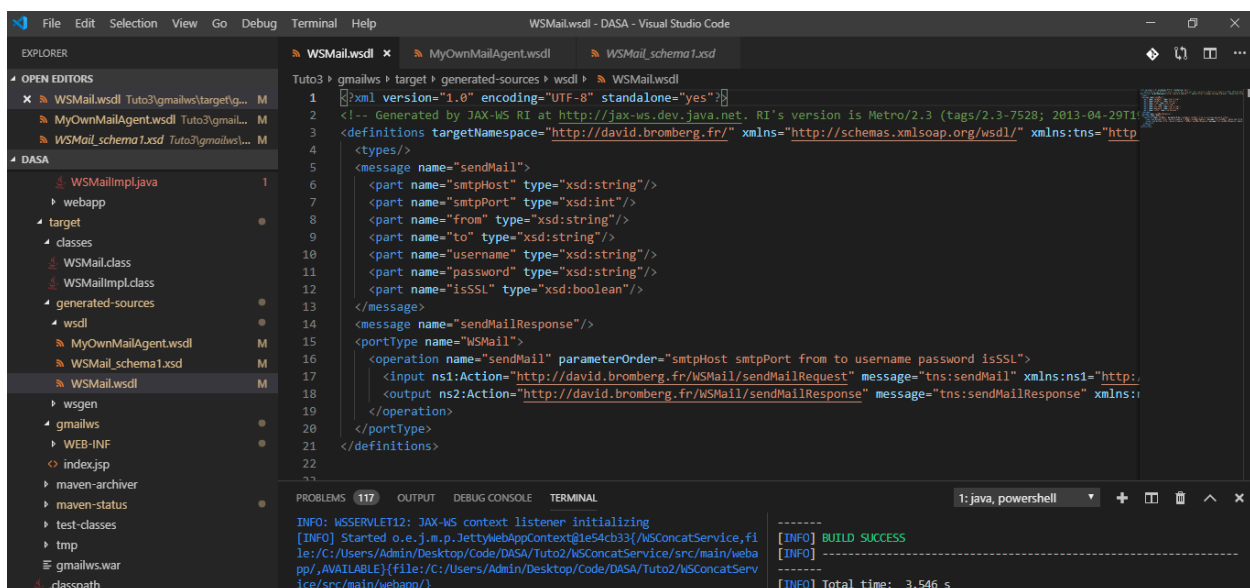


The screenshot shows the Visual Studio Code interface with the `pom.xml` file open. The file contains the following XML content:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- Generated by JAX-WS RI at http://jax-ws.dev.java.net. RI's version is Metro/2.3 (tags/2.3-7528; 2013-04-29T14:40:29Z) -->
<definitions targetNamespace="http://david.bromberg.fr/" xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:tns="http://david.bromberg.fr/">
  <types/>
  <message name="sendMail">
    <part name="smtpHost" type="xsd:string"/>
    <part name="smtpPort" type="xsd:int"/>
    <part name="from" type="xsd:string"/>
    <part name="to" type="xsd:string"/>
    <part name="username" type="xsd:string"/>
    <part name="password" type="xsd:string"/>
    <part name="isSSL" type="xsd:boolean"/>
  </message>
  <message name="sendMailResponse"/>
  <portType name="WSMail">
    <operation name="sendMail" parameterOrder="smtpHost smtpPort from to username password isSSL">
      <input ns1:Action="http://david.bromberg.fr/WSMail/sendMailRequest" message="tns:sendMail" xmlns:ns1="http://david.bromberg.fr/">
      <output ns2:Action="http://david.bromberg.fr/WSMail/sendMailResponse" message="tns:sendMailResponse" xmlns:ns2="http://david.bromberg.fr/">
    </operation>
  </portType>
</definitions>
```

The terminal output shows the following information:

```
INFO: WSSERVLET12: JAX-WS context listener initializing
[INFO] Started o.e.j.m.p.JettyWebAppContext@1e54cb33(/WSConcatService,fi
le:/C:/Users/Admin/Desktop/Code/DASA/Tuto2/WSConcatService/src/main/webap
pp/,AVAILABLE){file:/C:/Users/Admin/Desktop/Code/DASA/Tuto2/WSConcatServ
ice/src/main/webapp/}
[WARNING] !RequestLog
[INFO] Started ServerConnector@402fcf14(HTTP/1.1){0.0.0.0:8888}
```

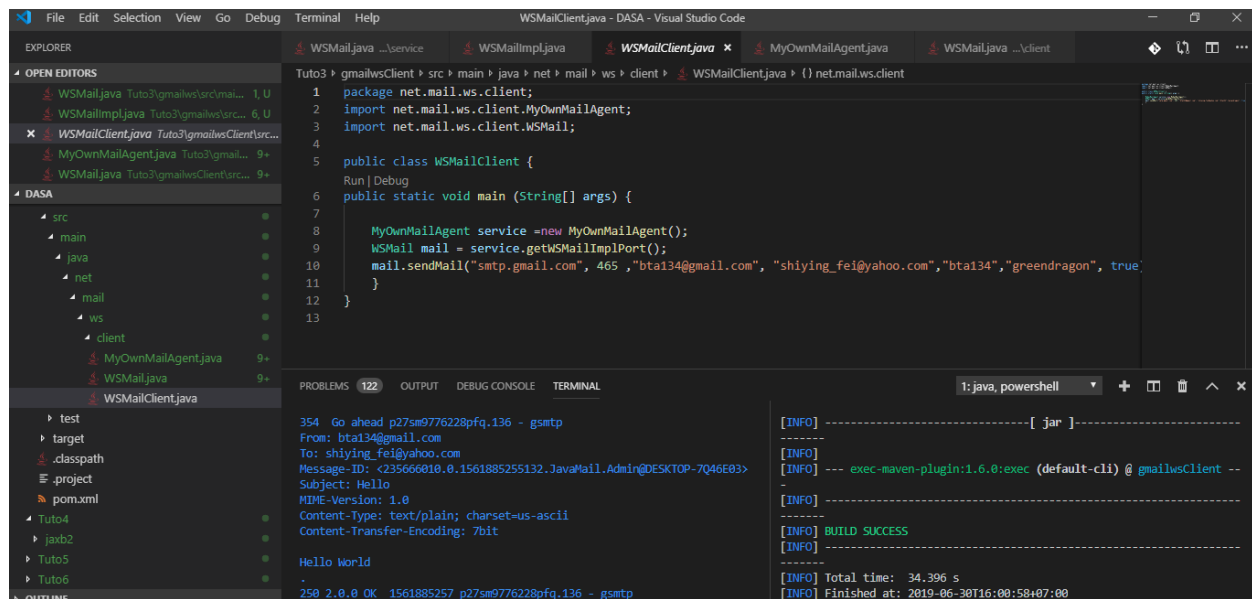


The screenshot shows the Visual Studio Code interface with the `WSMail.wsdl` file open. The file contains the following XML content:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- Generated by JAX-WS RI at http://jax-ws.dev.java.net. RI's version is Metro/2.3 (tags/2.3-7528; 2013-04-29T14:40:29Z) -->
<definitions targetNamespace="http://david.bromberg.fr/" xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:tns="http://david.bromberg.fr/">
  <types/>
  <message name="sendMail">
    <part name="smtpHost" type="xsd:string"/>
    <part name="smtpPort" type="xsd:int"/>
    <part name="from" type="xsd:string"/>
    <part name="to" type="xsd:string"/>
    <part name="username" type="xsd:string"/>
    <part name="password" type="xsd:string"/>
    <part name="isSSL" type="xsd:boolean"/>
  </message>
  <message name="sendMailResponse"/>
  <portType name="WSMail">
    <operation name="sendMail" parameterOrder="smtpHost smtpPort from to username password isSSL">
      <input ns1:Action="http://david.bromberg.fr/WSMail/sendMailRequest" message="tns:sendMail" xmlns:ns1="http://david.bromberg.fr/">
      <output ns2:Action="http://david.bromberg.fr/WSMail/sendMailResponse" message="tns:sendMailResponse" xmlns:ns2="http://david.bromberg.fr/">
    </operation>
  </portType>
</definitions>
```

The terminal output shows the following information:

```
INFO: WSSERVLET12: JAX-WS context listener initializing
[INFO] Started o.e.j.m.p.JettyWebAppContext@1e54cb33(/WSConcatService,fi
le:/C:/Users/Admin/Desktop/Code/DASA/Tuto2/WSConcatService/src/main/webap
pp/,AVAILABLE){file:/C:/Users/Admin/Desktop/Code/DASA/Tuto2/WSConcatServ
ice/src/main/webapp/}
[INFO] Total time: 3.546 s
```



What Working

The above steps are working.

Received an email.

What Not Working

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 WSMailClient can use the generated classes as local class to send a message (call function) to the server, the server will send the email.