

```
<exames>
  <exame data="12-01-2014" uc="ID">
    <aluno num="a111">
      <nome>Joana Feliz</nome>
      <nota status="aprovado">19</nota>
    </aluno>
    <aluno num="a222">
      <nome>Alice Sousa</nome>
      <nota status="reprovado">7</nota>
    </aluno>
    <aluno num="a333">
      <nome>Carlos Mota</nome>
      <nota status="aprovado">11</nota>
    </aluno>
  </exame>
  <exame data="17-03-2014" uc="CR">
    <aluno num="a111">
      <nome>Joana Feliz</nome>
      <nota status="aprovado">10</nota>
    </aluno>
    <aluno num="a333">
      <nome>Carlos Mota</nome>
      <nota status="aprovado">16</nota>
    </aluno>
    <aluno num="a444">
      <nome>Susana Mota</nome>
      <nota status="reprovado">7</nota>
    </aluno>
    <aluno num="a555">
      <nome>Rui Lopes</nome>
      <nota status="aprovado">12</nota>
    </aluno>
  </exame>
  <mobilidade>
    <erasmus num="e1" pais="ES">
      <nome>Pablo Cortéz</nome>
      <classificacao>16</classificacao>
    </erasmus>
    <erasmus num="e2" pais="FR">
      <nome>Amelie Saint Paul</nome>
      <classificacao>10</classificacao>
    </erasmus>
    <erasmus num="e3" pais="ES">
      <nome>Diego Lopez</nome>
      <classificacao>8</classificacao>
    </erasmus>
    <erasmus num="e4" pais="ES">
      <nome>Juan Santos</nome>
      <classificacao>12</classificacao>
    </erasmus>
  </mobilidade>
</exames>
```

Ficheiro exame2.xml

```
<listagem>
  <aluno cod="a111" ano="2">
    <propina status="paga" ano="2013">300</propina>
    <propina status="paga" ano="2014">400</propina>
    <propina status="pendente" ano="2015">500</propina>
    <propina status="pendente" ano="2016">700</propina>
  </aluno>
  <aluno cod="a222" ano="1">
    <propina status="paga" ano="2010">200</propina>
    <propina status="paga" ano="2011">200</propina>
    <propina status="paga" ano="2012">300</propina>
    <propina status="pendente" ano="2013">300</propina>
    <propina status="pendente" ano="2014">400</propina>
  </aluno>
  <aluno cod="a333" ano="2">
    <propina status="paga" ano="2013">300</propina>
    <propina status="paga" ano="2014">400</propina>
    <propina status="paga" ano="2015">500</propina>
    <propina status="paga" ano="2016">700</propina>
  </aluno>
  <aluno cod="a444" ano="3">
    <propina status="paga" ano="2013">300</propina>
    <propina status="paga" ano="2014">400</propina>
    <propina status="pendente" ano="2015">500</propina>
    <propina status="pendente" ano="2016">700</propina>
  </aluno>
  <aluno cod="a555" ano="2">
    <propina status="paga" ano="2013">300</propina>
    <propina status="paga" ano="2014">400</propina>
    <propina status="paga" ano="2015">500</propina>
    <propina status="paga" ano="2016">700</propina>
  </aluno>
  <aluno cod="a666" ano="1">
    <propina status="paga" ano="2015">500</propina>
    <propina status="paga" ano="2016">700</propina>
  </aluno>
</listagem>
```

```
<?xml version="1.0" encoding="utf-8" ?>
<definitions ...>
  <types>
    <xsd:schema>
      <xsd:element name="produto">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="idProduto" type="xsd:ID"/>
            <xsd:element name="nomeProduto" type="xsd:string" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:complexType name="prodInfoType">
        <xsd:sequence>
          <xsd:element name="referenciaLoja" type="xsd:string" />
          <xsd:element name="quantEncomendada" type="xsd:int" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:schema>
  </types>
  <message name="Mgs1Request">
    <part name="info1" element="produto" />
    <part name="prodInfo" type="prodInfoType"/>
  </message>
  <message name="Mgs1Response">
    <part name="existeStock" type="xsd:boolean"/>
  </message>
  <message name="Mgs2Request">
    <part name="info1" element="produto" />
  </message>
  <message name="Mgs2Response">
    <part name="preço" type="xsd:float"/>
  </message>
  <portType RESPOSTA_1>
    <operation name="pedeInfos">
      <input message="Mgs1Request" />
      <output message="Mgs1Response" />
    </operation>
    <operation name="checkPreco">
      <input message="Mgs2Request" />
      <output message="Mgs2Response" />
    </operation>
  </portType>
  <binding RESPOSTA_2 type="PortNameWS">
    <soap:binding style="document" transport="../soap/http"/>
    <operation name="pedeInfos">
      <soap:operation soapAction="http://isec.pt/ws/tarefa1" />
      <input><soap:body use="encoded"/></input>
      <output><soap:body use="literal"/></output>
    </operation>
    <operation name="checkPreco">
      <soap:operation soapAction="http://isec.pt/ws/tarefa2" />
      <input><soap:body use="literal"/></input>
      <output><soap:body use="encoded"/></output>
    </operation>
  </binding>
  <service name="WSService1">
    <port name="myPortEx" binding="BindNameWS">
      <address location="http://isec.pt/ws/exameWS1.exe/" />
    </port>
  </service>
</definitions>
```