1. Homework3 Zhou, Tiancong
2. XML in courier font, indented
3. XSD in courier font, indented
4. Screen shot showing the result of validation
5. Links to your XML, DTD and XSD that is available on a public server.

**Part. B**

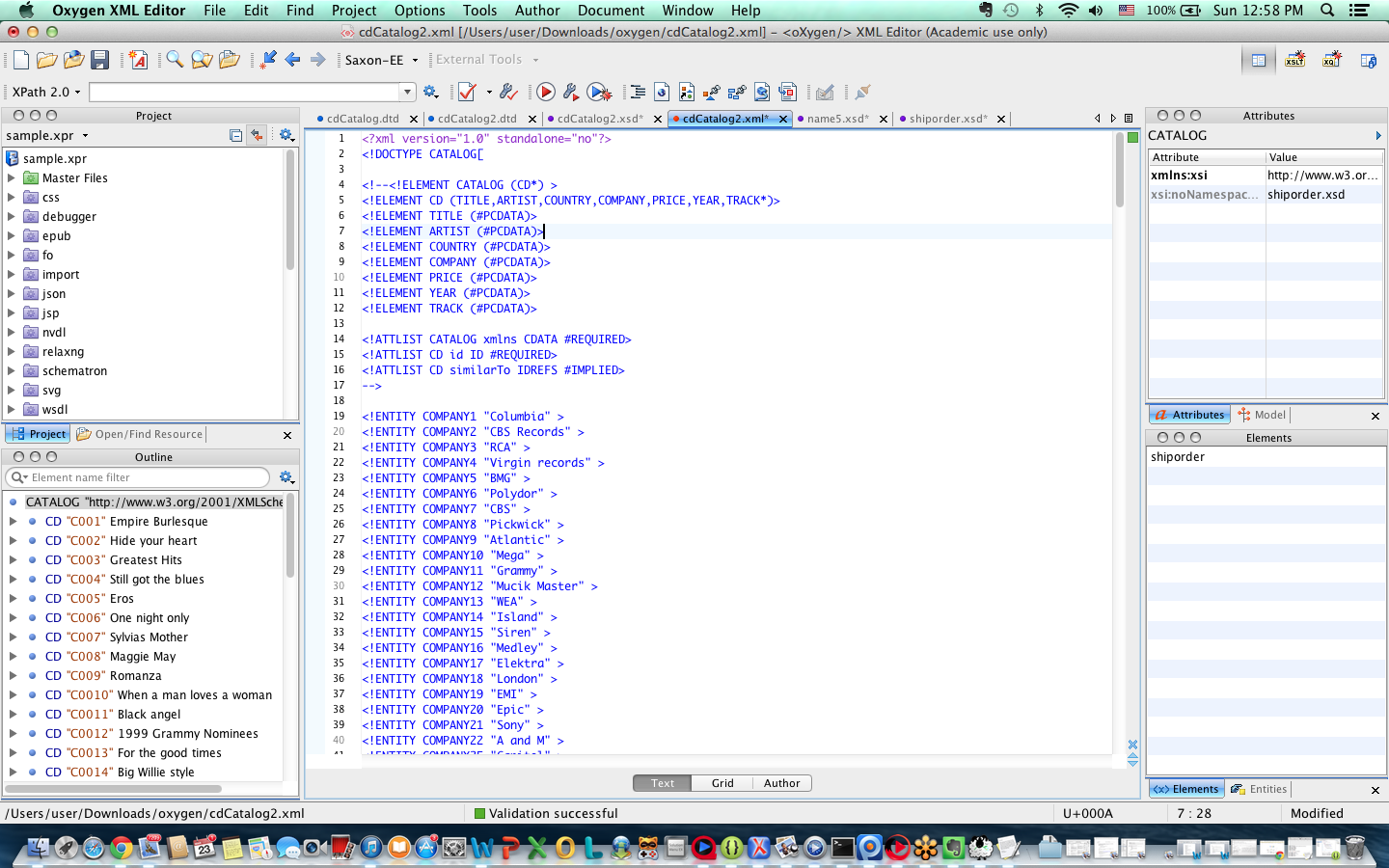
<?xml version="1.0" standalone="no"?>  
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<!--<!ELEMENT CATALOG (CD\*) >  
<!ELEMENT CD (TITLE,ARTIST,COUNTRY,COMPANY,PRICE,YEAR,TRACK\*)>  
<!ELEMENT TITLE (#PCDATA)>  
<!ELEMENT ARTIST (#PCDATA)>  
<!ELEMENT COUNTRY (#PCDATA)>  
<!ELEMENT COMPANY (#PCDATA)>  
<!ELEMENT PRICE (#PCDATA)>  
<!ELEMENT YEAR (#PCDATA)>  
<!ELEMENT TRACK (#PCDATA)>  
  
<!ATTLIST CATALOG xmlns CDATA #REQUIRED>  
<!ATTLIST CD id ID #REQUIRED>  
<!ATTLIST CD similarTo IDREFS #IMPLIED>  
-->  
  
<!ENTITY COMPANY1 "Columbia" >  
<!ENTITY COMPANY2 "CBS Records" >  
<!ENTITY COMPANY3 "RCA" >  
<!ENTITY COMPANY4 "Virgin records" >  
<!ENTITY COMPANY5 "BMG" >  
<!ENTITY COMPANY6 "Polydor" >  
<!ENTITY COMPANY7 "CBS" >  
<!ENTITY COMPANY8 "Pickwick" >  
<!ENTITY COMPANY9 "Atlantic" >  
<!ENTITY COMPANY10 "Mega" >  
<!ENTITY COMPANY11 "Grammy" >  
<!ENTITY COMPANY12 "Mucik Master" >  
<!ENTITY COMPANY13 "WEA" >  
<!ENTITY COMPANY14 "Island" >  
<!ENTITY COMPANY15 "Siren" >  
<!ENTITY COMPANY16 "Medley" >  
<!ENTITY COMPANY17 "Elektra" >  
<!ENTITY COMPANY18 "London" >  
<!ENTITY COMPANY19 "EMI" >  
<!ENTITY COMPANY20 "Epic" >  
<!ENTITY COMPANY21 "Sony" >  
<!ENTITY COMPANY22 "A and M" >  
<!ENTITY COMPANY25 "Capitol" >  
<!ENTITY COMPANY24 "DECCA" >  
]>  
<CATALOG xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:noNamespaceSchemaLocation="shiporder.xsd">  
  
 <CD id="C001">  
 <TITLE>Empire Burlesque</TITLE>  
 <ARTIST>Bob Dylan</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY1;</COMPANY>  
 <PRICE>10.90</PRICE>  
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 </CD>  
 <CD id="C002">  
 <TITLE>Hide your heart</TITLE>  
 <ARTIST>Bonnie Tyler</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY2;</COMPANY>  
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 <CD id="C003">  
 <TITLE>Greatest Hits</TITLE>  
 <ARTIST>Dolly Parton</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY3;</COMPANY>  
 <PRICE>9.90</PRICE>  
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 <TITLE>Still got the blues</TITLE>  
 <ARTIST>Gary Moore</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY4;</COMPANY>  
 <PRICE>10.20</PRICE>  
 <YEAR>1990</YEAR>  
 </CD>  
 <CD id="C005">  
 <TITLE>Eros</TITLE>  
 <ARTIST>Eros Ramazzotti</ARTIST>  
 <COUNTRY>EU</COUNTRY>  
 <COMPANY>&COMPANY5;</COMPANY>  
 <PRICE>9.90</PRICE>  
 <YEAR>1997</YEAR>  
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 <CD id="C006">  
 <TITLE>One night only</TITLE>  
 <ARTIST>Bee Gees</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY6;</COMPANY>  
 <PRICE>10.90</PRICE>  
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 <ARTIST>Dr.Hook</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY7;</COMPANY>  
 <PRICE>8.10</PRICE>  
 <YEAR>1973</YEAR>  
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 <TITLE>Maggie May</TITLE>  
 <ARTIST>Rod Stewart</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY8;</COMPANY>  
 <PRICE>8.50</PRICE>  
 <YEAR>1990</YEAR>  
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 <CD id="C009">  
 <TITLE>Romanza</TITLE>  
 <ARTIST>Andrea Bocelli</ARTIST>  
 <COUNTRY>EU</COUNTRY>  
 <COMPANY>&COMPANY6;</COMPANY>  
 <PRICE>10.80</PRICE>  
 <YEAR>1996</YEAR>  
 </CD>  
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 <TITLE>When a man loves a woman</TITLE>  
 <ARTIST>Percy Sledge</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY9;</COMPANY>  
 <PRICE>8.70</PRICE>  
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 </CD>  
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 <ARTIST>Savage Rose</ARTIST>  
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 <ARTIST>Kenny Rogers</ARTIST>  
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 <CD id="C0014">  
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 <ARTIST>Will Smith</ARTIST>  
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 <COMPANY>&COMPANY1;</COMPANY>  
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 <ARTIST>Van Morrison</ARTIST>  
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 <PRICE>8.20</PRICE>  
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 <ARTIST>Jorn Hoel</ARTIST>  
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 <COMPANY>&COMPANY13;</COMPANY>  
 <PRICE>7.90</PRICE>  
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 <ARTIST>Cat Stevens</ARTIST>  
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 <ARTIST>T'Pau</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY15;</COMPANY>  
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 <ARTIST>Tina Turner</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>&COMPANY25;</COMPANY>  
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 <TITLE>Midt om natten</TITLE>  
 <ARTIST>Kim Larsen</ARTIST>  
 <COUNTRY>EU</COUNTRY>  
 <COMPANY>&COMPANY16;</COMPANY>  
 <PRICE>7.80</PRICE>  
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 </CD>  
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 <ARTIST>Otis Redding</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY9;</COMPANY>  
 <PRICE>7.90</PRICE>  
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 <COMPANY>&COMPANY18;</COMPANY>  
 <PRICE>7.80</PRICE>  
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 <ARTIST>Joe Cocker</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY19;</COMPANY>  
 <PRICE>8.20</PRICE>  
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 </CD>  
 <CD id="C0027">  
 <TITLE>Doo - Wops &amp; Hooligans</TITLE>  
 <ARTIST>Bruno Mars</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY20;</COMPANY>  
 <PRICE>9.90</PRICE>  
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 </CD>  
 <CD id="C0028">  
 <TITLE>We Sing, We Dance, We Steal Things </TITLE>  
 <ARTIST>Jason Mraz</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
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 <PRICE>8.90</PRICE>  
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 <ARTIST>Sara Bareilles</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY20;</COMPANY>  
 <PRICE>7.90</PRICE>  
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 <ARTIST>Katy Perry</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY25;</COMPANY>  
 <PRICE>13.90</PRICE>  
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 <TRACK>Last Friday Night</TRACK>  
 <TRACK>California Gurls</TRACK>  
 <TRACK>Firework </TRACK>  
 <TRACK>Peacock</TRACK>  
 <TRACK>Circle The Drain</TRACK>  
 <TRACK>The One That Got Away</TRACK>  
 <TRACK>E.T.</TRACK>  
 <TRACK>Who Am I Living For?</TRACK>  
 <TRACK>Pearl</TRACK>  
 <TRACK>Hummingbird Heartbeat</TRACK>  
 <TRACK>Not Like The Movies </TRACK>  
  
 </CD>  
 <CD id="C0031">  
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 <COMPANY>&COMPANY21;</COMPANY>  
 <PRICE>6.90</PRICE>  
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 <TRACK>I Don't Trust Myself (With Loving You) </TRACK>  
 <TRACK>Belief </TRACK>  
 <TRACK>Gravity</TRACK>  
 <TRACK>The Heart of Life</TRACK>  
 <TRACK>Vultures</TRACK>  
 <TRACK>Stop This Train</TRACK>  
 <TRACK>Slow Dancing In a Burning Room</TRACK>  
 <TRACK>Bold As Love</TRACK>  
 <TRACK>Dreaming With a Broken Heart</TRACK>  
 <TRACK>In Repair</TRACK>  
 <TRACK>I'm Gonna Find Another You</TRACK>  
 <TRACK>Say</TRACK>  
   
 </CD>  
</CATALOG>

**Part. C**

XSD in courier font, indented

<?xml version="1.0" encoding="UTF-8"?>  
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 elementFormDefault="qualified"  
 version="1.0" >  
<!-- definition of simple elements -->   
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 <xs:element name="ARTIST" type="xs:string"/>  
 <xs:element name="COUNTRY">  
 <xs:simpleType>  
 <xs:restriction base="xs:string">  
 <xs:enumeration value="USA"/>  
 <xs:enumeration value="UK"/>  
 <xs:enumeration value="EU"/>  
 <xs:enumeration value="Norway"/>  
 </xs:restriction>   
 </xs:simpleType>  
 </xs:element>   
 <xs:element name="COMPANY" type="xs:string"/>   
 <xs:element name="PRICE">   
 <xs:simpleType>  
 <xs:restriction base="xs:decimal">  
 <xs:minInclusive value="0.00"/>  
 <xs:fractionDigits value="2"/>   
 <xs:maxInclusive value="99.99"/>   
 </xs:restriction>   
 </xs:simpleType>   
 </xs:element>  
 <xs:element name="YEAR">  
 <xs:simpleType>  
 <xs:restriction base="xs:integer">  
 <xs:minInclusive value="1000"/>   
 <xs:maxInclusive value="9999"/>   
 </xs:restriction>   
 </xs:simpleType>   
 </xs:element>  
 <xs:element name="TRACK" type="xs:string" />  
   
<!-- definition of attributes -->   
 <xs:attribute name="id" type="xs:ID"/>  
 <xs:attribute name="similarTo" type="xs:IDREFS"/>  
<!-- definition of complex elements -->   
<xs:element name="CATALOG">  
 <xs:complexType>  
 <xs:sequence>   
 <xs:element name="CD" minOccurs="0" maxOccurs="unbounded">   
 <xs:complexType>  
   
 <xs:sequence>  
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 <xs:element ref="ARTIST"/>   
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</xs:element>  
  
  
</xs:schema>

**Part. D**

****

**Part. E**

Links to your XML, DTD and XSD that is available on a public server.

**XML:** <http://lyle.smu.edu/~tiancongz/cdCatalog2.xml>

**DTD:** <http://lyle.smu.edu/~tiancongz/cdCatalog2.dtd>

**XSD:** <http://lyle.smu.edu/~tiancongz/cdCatalog2.xsd>