

- HW5 Zhou, Tiancong

- your XML

```
<?xml version="1.0" standalone="no"?>
<!DOCTYPE CATALOG[

<!--<!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>
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<!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" >
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<!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" >
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  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>
    <YEAR>1985</YEAR>
  </CD>

  <CD id="C002">
    <TITLE>Hide your heart</TITLE>

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<ARTIST>Bonnie Tyler</ARTIST>
<COUNTRY>UK</COUNTRY>
<COMPANY>&COMPANY2;</COMPANY>
<PRICE>9.90</PRICE>
<YEAR>1988</YEAR>
</CD>
<CD id="C003">
  <TITLE>Greatest Hits</TITLE>
  <ARTIST>Dolly Parton</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>&COMPANY3;</COMPANY>
  <PRICE>9.90</PRICE>
  <YEAR>1982</YEAR>
</CD>
<CD id="C004">
  <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>
</CD>
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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>
  <YEAR>1998</YEAR>
</CD>
<CD id="C007">
  <TITLE>Sylvias Mother</TITLE>
  <ARTIST>Dr.Hook</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY7;</COMPANY>
  <PRICE>8.10</PRICE>
  <YEAR>1973</YEAR>
</CD>
<CD id="C008">
  <TITLE>Maggie May</TITLE>
  <ARTIST>Rod Stewart</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY8;</COMPANY>
  <PRICE>8.50</PRICE>
  <YEAR>1990</YEAR>
</CD>
<CD id="C009">
  <TITLE>Romanza</TITLE>
  <ARTIST>Andrea Bocelli</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>&COMPANY6;</COMPANY>
  <PRICE>10.80</PRICE>
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<YEAR>1996</YEAR>
</CD>
<CD id="C0010"
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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>
  <YEAR>1987</YEAR>
</CD>
<CD id="C0011"
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  <TITLE>Black angel</TITLE>
  <ARTIST>Savage Rose</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>&COMPANY10;</COMPANY>
  <PRICE>10.90</PRICE>
  <YEAR>1995</YEAR>
</CD>
<CD id="C0012"
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  <TITLE>1999 Grammy Nominees</TITLE>
  <ARTIST>Many</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>&COMPANY11;</COMPANY>
  <PRICE>10.20</PRICE>
  <YEAR>1999</YEAR>
</CD>
<CD id="C0013">
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<TITLE>For the good times</TITLE>
<ARTIST>Kenny Rogers</ARTIST>
<COUNTRY>UK</COUNTRY>
<COMPANY>&COMPANY12;</COMPANY>
<PRICE>8.70</PRICE>
<YEAR>1995</YEAR>
</CD>
<CD id="C0014">
  <TITLE>Big Willie style</TITLE>
  <ARTIST>Will Smith</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>&COMPANY1;</COMPANY>
  <PRICE>9.90</PRICE>
  <YEAR>1997</YEAR>
</CD>
<CD id="C0015">
  <TITLE>Tupelo Honey</TITLE>
  <ARTIST>Van Morrison</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY6;</COMPANY>
  <PRICE>8.20</PRICE>
  <YEAR>1971</YEAR>
</CD>
<CD id="C0016">
  <TITLE>Soulsville</TITLE>
  <ARTIST>Jorn Hoel</ARTIST>
  <COUNTRY>Norway</COUNTRY>
  <COMPANY>&COMPANY13;</COMPANY>
  <PRICE>7.90</PRICE>
  <YEAR>1996</YEAR>
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</CD>
<CD id="C0017">
  <TITLE>The very best of</TITLE>
  <ARTIST>Cat Stevens</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY14;</COMPANY>
  <PRICE>8.90</PRICE>
  <YEAR>1990</YEAR>
</CD>
<CD id="C0018">
  <TITLE>Stop</TITLE>
  <ARTIST>Sam Brown</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY22;</COMPANY>
  <PRICE>8.90</PRICE>
  <YEAR>1988</YEAR>
</CD>
<CD id="C0019">
  <TITLE>Bridge of Spies</TITLE>
  <ARTIST>T'Pau</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY15;</COMPANY>
  <PRICE>7.90</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD id="C0020">
  <TITLE>Private Dancer</TITLE>
  <ARTIST>Tina Turner</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY25;</COMPANY>
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<PRICE>8.90</PRICE>
<YEAR>1983</YEAR>
</CD>
<CD id="C0021">
  <TITLE>Midt om natten</TITLE>
  <ARTIST>Kim Larsen</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>&COMPANY16;</COMPANY>
  <PRICE>7.80</PRICE>
  <YEAR>1983</YEAR>
</CD>
<CD id="C0022"
  similarTo="C0010 C0011 C0012 C0023">
  <TITLE>Pavarotti Gala Concert</TITLE>
  <ARTIST>Luciano Pavarotti</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY24;</COMPANY>
  <PRICE>9.90</PRICE>
  <YEAR>1991</YEAR>
</CD>
<CD id="C0023"
  similarTo="C0010 C0011 C0012 C0022">
  <TITLE>The dock of the bay</TITLE>
  <ARTIST>Otis Redding</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>&COMPANY9;</COMPANY>
  <PRICE>7.90</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD id="C0024">
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<TITLE>Picture book</TITLE>
<ARTIST>Simply Red</ARTIST>
<COUNTRY>EU</COUNTRY>
<COMPANY>&COMPANY17;</COMPANY>
<PRICE>7.20</PRICE>
<YEAR>1985</YEAR>
</CD>
<CD id="C0025">
  <TITLE>Red</TITLE>
  <ARTIST>The Communards</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>&COMPANY18;</COMPANY>
  <PRICE>7.80</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD id="C0026">
  <TITLE>Unchain my heart</TITLE>
  <ARTIST>Joe Cocker</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>&COMPANY19;</COMPANY>
  <PRICE>8.20</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD id="C0027">
  <TITLE>Doo - Wops & Hooligans</TITLE>
  <ARTIST>Bruno Mars</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>&COMPANY20;</COMPANY>
  <PRICE>9.90</PRICE>
  <YEAR>2010</YEAR>
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</CD>

<CD id="C0028">

<TITLE>We Sing, We Dance, We Steal Things </TITLE>

<ARTIST>Jason Mraz</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>&COMPANY9;</COMPANY>

<PRICE>8.90</PRICE>

<YEAR>2008</YEAR>

</CD>

<CD id="C0029">

<TITLE>Little Voice</TITLE>

<ARTIST>Sara Bareilles</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>&COMPANY20;</COMPANY>

<PRICE>7.90</PRICE>

<YEAR>2007</YEAR>

</CD>

<CD id="C0030">

<TITLE>Teenage Dream</TITLE>

<ARTIST>Katy Perry</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>&COMPANY25;</COMPANY>

<PRICE>13.90</PRICE>

<YEAR>2012</YEAR>

<TRACK>Teenage Dream</TRACK>

<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">

<TITLE>Continuum</TITLE>

<ARTIST>John Mayer</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>&COMPANY21;</COMPANY>

<PRICE>6.90</PRICE>

<YEAR>2008</YEAR>

<TRACK> Waiting On the World To Change </TRACK>

<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>

- your XSLT

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<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
      <body>
        <p>Catalog</p>
        <xsl:for-each select="CATALOG/CD">

          CD: <xsl:value-of select="TITLE" /> &#032; BY
&#032; <xsl:value-of select="ARTIST" /> &#xA0;
<xsl:value-of select="YEAR" />
          <br>    </br>
        </xsl:for-each>

      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
```

- screenshot of output in Browser

