Homework7 Zhou, Tiancong

1. XML :

Link: <http://lyle.smu.edu/~tiancongz/cdCatalog4.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>  
-->  
  
<!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>  
 <YEAR>1985</YEAR>  
 </CD>  
 <CD id="C002">  
 <TITLE>Hide your heart</TITLE>  
 <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>  
 <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>  
 <YEAR>1996</YEAR>  
 </CD>  
 <CD id="C0010"  
 similarTo="C0011 C0012 C0022 C0023">  
 <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"  
 similarTo="C0010 C0012 C0022 C0023">  
 <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"  
 similarTo="C0010 C0011 C0022 C0023">  
 <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">  
 <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>  
 </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>  
 <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">  
 <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">  
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 <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 &amp; Hooligans</TITLE>  
 <ARTIST>Bruno Mars</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>&COMPANY20;</COMPANY>  
 <PRICE>9.90</PRICE>  
 <YEAR>2010</YEAR>  
 </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>

1. PHP1

Link : <http://lyle.smu.edu/~tiancongz/hw7f.php>

<?php

$xml=new DOMDocument;

$xml->load('cdCatalog4.xml');

$xsl=new DOMDocument;

$xsl->load('tovoice.xsl');

$proc = new XSLTProcessor;

$proc->importStyleSheet($xsl);

echo $proc->transformToXML($xml);

?>

1. PHP2

Link: <http://lyle.smu.edu/~tiancongz/hw7.php>

<vxml version="2.0" xmlns="http://www.w3.org/2001/vxml">

<form>

<block>

<prompt>

<?php ini\_set('display\_errors',true);

#create a simplexml XML object from local file

$xml=simplexml\_load\_file("cdCatalog4.xml");

#create a variable to get the parameter in the url

$cata=$\_GET["CATAGORY"];

#get the directory of what needs to be displayed

$cds= $xml->xpath("//CATALOG/CD[CATAGORY='$cata']");

#print each item.

echo"The type is $cata ";

foreach ($cds as $cd){

echo "CD NAME IS {$cd->TITLE} :";

echo "and ARTIST IS {$cd->ARTIST} :";

echo "and PRICE IS {$cd->PRICE} DOLLARS:";

}

?>

</prompt></block></form></vxml>

1. XSLT

Link: <http://lyle.smu.edu/~tiancongz/tovoice.xsl>

<?xml version="1.0" encoding="UTF-8"?>  
  
<xsl:stylesheet  
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">  
 <xsl:output method="xml"  
   
 doctype-system="http://www.w3.org/TR/voicexml20/vxml.dtd"/>  
 <xsl:variable name="newline">  
 <xsl:text>  
 </xsl:text>  
   
 </xsl:variable>  
 <!-- match against the root and go -->  
 <xsl:template match="/">  
 <vxml version="2.0"  
 xmlns="http://www.w3.org/2001/vxml"  
   
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <form>  
 <block>  
 Welcome to the class, C S E,  
   
 <xsl:value-of select="/class/@id"/>.  
 <goto next="#mainmenu"/>  
 </block>  
 </form>  
 <menu id="mainmenu" dtmf="true">  
 <prompt>  
 <enumerate>  
 If you like  
 <value expr="\_prompt"/>, press <value expr="\_dtmf"/>  
 <break strength="medium"/>  
 </enumerate>  
 </prompt>  
 <xsl:for-each select="/CATALOG/CD[CATAGORY='POP']">  
 <xsl:if test="CATAGORY='POP'">  
 <xsl:if test="position()=1">   
 <xsl:value-of select="$newline"/>  
 <xsl:element name="choice">  
 <xsl:attribute name="next">http://lyle.smu.edu/~tiancongz/hw7.php?CATAGORY=POP  
   
 </xsl:attribute>  
 <xsl:value-of select="CATAGORY"/>  
 </xsl:element>  
 </xsl:if>  
 </xsl:if>  
 </xsl:for-each>  
   
 <xsl:for-each select="/CATALOG/CD[CATAGORY='ROCK']">  
 <xsl:if test="CATAGORY='ROCK'">  
 <xsl:if test="position()=1">  
 <xsl:value-of select="$newline"/>  
 <xsl:element name="choice">  
 <xsl:attribute name="next">http://lyle.smu.edu/~tiancongz/hw7.php?CATAGORY=ROCK  
   
 </xsl:attribute>  
 <xsl:value-of select="CATAGORY"/>  
 </xsl:element>  
 </xsl:if>  
 </xsl:if>  
 </xsl:for-each>   
   
 <xsl:for-each select="/CATALOG/CD[CATAGORY='JAZZ']">  
 <xsl:if test="CATAGORY='JAZZ'">  
 <xsl:if test="position()=1">  
 <xsl:value-of select="$newline"/>  
 <xsl:element name="choice">  
 <xsl:attribute name="next">http://lyle.smu.edu/~tiancongz/hw7.php?CATAGORY=JAZZ  
   
 </xsl:attribute>  
 <xsl:value-of select="CATAGORY"/>  
 </xsl:element>  
 </xsl:if>  
 </xsl:if>  
 </xsl:for-each>  
   
 <xsl:for-each select="/CATALOG/CD[CATAGORY='VOCAL']">  
 <xsl:if test="CATAGORY='VOCAL'">  
 <xsl:if test="position()=1">  
 <xsl:value-of select="$newline"/>  
 <xsl:element name="choice">  
 <xsl:attribute name="next">http://lyle.smu.edu/~tiancongz/hw7.php?CATAGORY=VOCAL  
   
 </xsl:attribute>   
 <xsl:value-of select="CATAGORY"/>  
 </xsl:element>  
 </xsl:if>  
 </xsl:if>  
 </xsl:for-each>  
 </menu>  
 </vxml>  
 </xsl:template>  
</xsl:stylesheet>

1. PHONE NUMBER’

4154294588