Lab 04
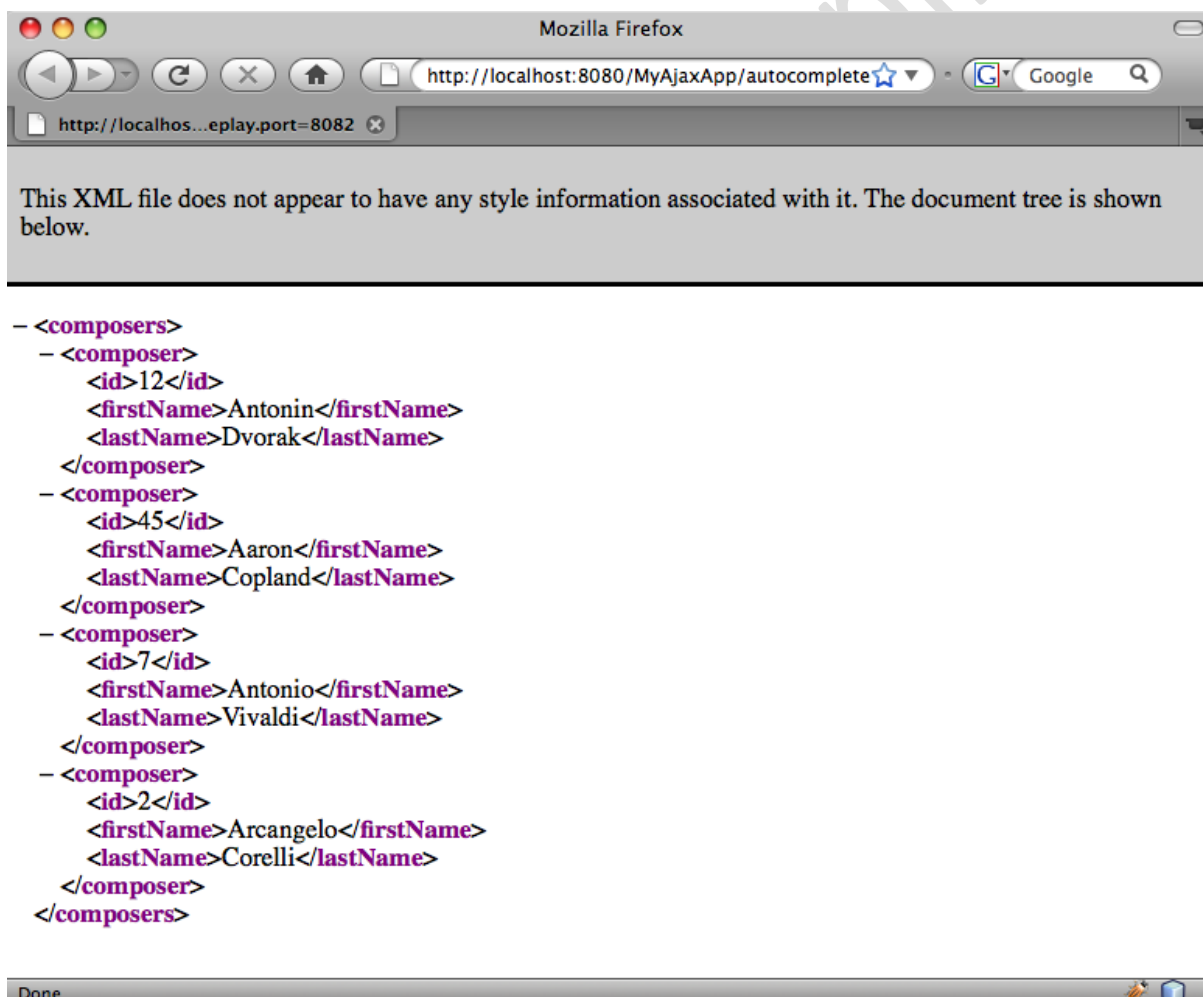
Stylesheets

Phần I - Thực hiện trong 120 phút

1.1 *Mục tiêu*

- ✓ Các thuộc tính CSS được sử dụng để định dạng hiển thị.
- ✓ Sử dụng file style sheets để định dạng dữ liệu hiển thị.
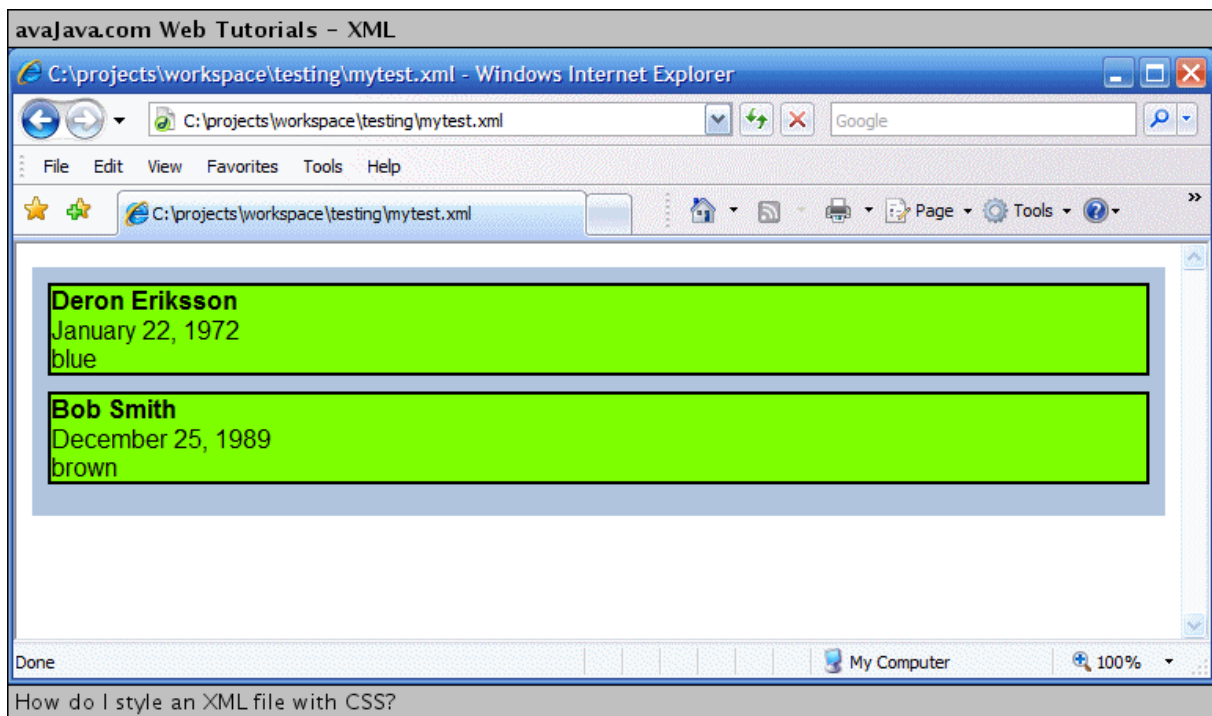
1.2 *Thực hiện*

Ôn tập kiến thức

Tài liệu XML được hiển thị như nào?

Hiển thị dữ liệu theo cách như trên không mang tính trực quan khi cần mô tả dữ liệu một cách rõ ràng, dễ hiểu như bố cục thành bảng, đánh dấu đậm, nhạt hoặc tô màu những số liệu quan trọng..v.v…

Trong khi tài liệu CSS được sử dụng để định dạng cách mà dữ liệu được hiển thị và XML đóng vai trò mô tả dữ liệu thì việc kết hợp CSS và XML sẽ giải quyết được vấn đề trên.

Minh họa dữ liệu XML được trình bày nhờ CSS

Để hiển thị nội dung XML bằng CSS: viết riêng biệt file xml và css rồi từ file xml gọi tới css theo cú pháp sau:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="cd_catalog.css"?>
<CATALOG>
  <CD>
```
link file *.css

Bài thực hành 1: tạo file xml mô tả dữ liệu các cuốn sách trong thư viện gồm:

- Title
- Price

Mô tả khoảng 3 **book** đặt trong **library**. Định dạng hiển thị dữ liệu bằng CSS như hình sau:

Lập trình Java 105460
PHP Toàn tập 3268
Begining Android 6996

Bước 1: tạo file xml.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
   Create by Minh Vũ FC 6.2016
-->
<library>
   <book>
      <title>Lập trình Java</title>
      <price>105460</price>
   </book>
   <book id="head">
      <title>PHP Toàn tập</title>
      <price>3268</price>
   </book>
   <book>
      <title>Begining Android</title>
      <price>6996</price>
   </book>
</library>
```

Bước 2: tạo file css.

```css
/*
   Created on : Jun 22, 2016, 10:34:27 AM
   Author     : minhvt
*/
book{
   display: block;
   border: 1px solid red;
   background-color: yellow;
}
title{
   color: blue;
}
author{
   text-indent: 10px;
   text-transform: uppercase;
}
```

Bước 3: gọi file css trong xml.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
```

```
  Create by Minh Vũ FC 6.2016
-->
<?xml-stylesheet type="text/css" href="book.css"?>
<library>
  <book>
…….
```

Bài thực hành 2: tạo file xml danh mục đĩa CD mô tả các dữ liệu như sau:

- Title
- Artist
- Country
- Company
- Price
- Year

Mô tả khoảng 5 đĩa **CD** đặt trong **Catalog**. Định dạng hiển thị dữ liệu bằng CSS như hình sau:

Bước 1: tạo file xml.

```
<?xml version="1.0" encoding="UTF-8"?>
<CATALOG>
  <CD>
    <TITLE>Empire Burlesque</TITLE>
    <ARTIST>Bob Dylan</ARTIST>
    <COUNTRY>USA</COUNTRY>
```

```xml
      <COMPANY>Columbia</COMPANY>
      <PRICE>10.90</PRICE>
      <YEAR>1985</YEAR>
   </CD>
   <CD>
      <TITLE>Hide your heart</TITLE>
      <ARTIST>Bonnie Tyler</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>CBS Records</COMPANY>
      <PRICE>9.90</PRICE>
      <YEAR>1988</YEAR>
   </CD>
   <CD>
      <TITLE>Greatest Hits</TITLE>
      <ARTIST>Dolly Parton</ARTIST>
      <COUNTRY>USA</COUNTRY>
      <COMPANY>RCA</COMPANY>
      <PRICE>9.90</PRICE>
      <YEAR>1982</YEAR>
   </CD>
   <CD>
      <TITLE>Still got the blues</TITLE>
      <ARTIST>Gary Moore</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>Virgin records</COMPANY>
      <PRICE>10.20</PRICE>
      <YEAR>1990</YEAR>
   </CD>
   <CD>
      <TITLE>Eros</TITLE>
      <ARTIST>Eros Ramazzotti</ARTIST>
      <COUNTRY>EU</COUNTRY>
      <COMPANY>BMG</COMPANY>
      <PRICE>9.90</PRICE>
      <YEAR>1997</YEAR>
   </CD>
   <CD>
      <TITLE>One night only</TITLE>
      <ARTIST>Bee Gees</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>Polydor</COMPANY>
      <PRICE>10.90</PRICE>
      <YEAR>1998</YEAR>
```

```xml
    </CD>
    <CD>
       <TITLE>Sylvias Mother</TITLE>
       <ARTIST>Dr.Hook</ARTIST>
       <COUNTRY>UK</COUNTRY>
       <COMPANY>CBS</COMPANY>
       <PRICE>8.10</PRICE>
       <YEAR>1973</YEAR>
    </CD>
    <CD>
       <TITLE>Maggie May</TITLE>
       <ARTIST>Rod Stewart</ARTIST>
       <COUNTRY>UK</COUNTRY>
       <COMPANY>Pickwick</COMPANY>
       <PRICE>8.50</PRICE>
       <YEAR>1990</YEAR>
    </CD>
    <CD>
       <TITLE>Romanza</TITLE>
       <ARTIST>Andrea Bocelli</ARTIST>
       <COUNTRY>EU</COUNTRY>
       <COMPANY>Polydor</COMPANY>
       <PRICE>10.80</PRICE>
       <YEAR>1996</YEAR>
    </CD>
    <CD>
       <TITLE>When a man loves a woman</TITLE>
       <ARTIST>Percy Sledge</ARTIST>
       <COUNTRY>USA</COUNTRY>
       <COMPANY>Atlantic</COMPANY>
       <PRICE>8.70</PRICE>
       <YEAR>1987</YEAR>
    </CD>
    <CD>
       <TITLE>Black angel</TITLE>
       <ARTIST>Savage Rose</ARTIST>
       <COUNTRY>EU</COUNTRY>
       <COMPANY>Mega</COMPANY>
       <PRICE>10.90</PRICE>
       <YEAR>1995</YEAR>
    </CD>
    <CD>
       <TITLE>1999 Grammy Nominees</TITLE>
       <ARTIST>Many</ARTIST>
```

```
      <COUNTRY>USA</COUNTRY>
      <COMPANY>Grammy</COMPANY>
      <PRICE>10.20</PRICE>
      <YEAR>1999</YEAR>
   </CD>
   <CD>
      <TITLE>For the good times</TITLE>
      <ARTIST>Kenny Rogers</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>Mucik Master</COMPANY>
      <PRICE>8.70</PRICE>
      <YEAR>1995</YEAR>
   </CD>
   <CD>
      <TITLE>Big Willie style</TITLE>
      <ARTIST>Will Smith</ARTIST>
      <COUNTRY>USA</COUNTRY>
      <COMPANY>Columbia</COMPANY>
      <PRICE>9.90</PRICE>
      <YEAR>1997</YEAR>
   </CD>
   <CD>
      <TITLE>Tupelo Honey</TITLE>
      <ARTIST>Van Morrison</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>Polydor</COMPANY>
      <PRICE>8.20</PRICE>
      <YEAR>1971</YEAR>
   </CD>
   <CD>
      <TITLE>Soulsville</TITLE>
      <ARTIST>Jorn Hoel</ARTIST>
      <COUNTRY>Norway</COUNTRY>
      <COMPANY>WEA</COMPANY>
      <PRICE>7.90</PRICE>
      <YEAR>1996</YEAR>
   </CD>
   <CD>
      <TITLE>The very best of</TITLE>
      <ARTIST>Cat Stevens</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>Island</COMPANY>
      <PRICE>8.90</PRICE>
```

```xml
    <YEAR>1990</YEAR>
  </CD>
  <CD>
    <TITLE>Stop</TITLE>
    <ARTIST>Sam Brown</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>A and M</COMPANY>
    <PRICE>8.90</PRICE>
    <YEAR>1988</YEAR>
  </CD>
  <CD>
    <TITLE>Bridge of Spies</TITLE>
    <ARTIST>T'Pau</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>Siren</COMPANY>
    <PRICE>7.90</PRICE>
    <YEAR>1987</YEAR>
  </CD>
  <CD>
    <TITLE>Private Dancer</TITLE>
    <ARTIST>Tina Turner</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>Capitol</COMPANY>
    <PRICE>8.90</PRICE>
    <YEAR>1983</YEAR>
  </CD>
  <CD>
    <TITLE>Midt om natten</TITLE>
    <ARTIST>Kim Larsen</ARTIST>
    <COUNTRY>EU</COUNTRY>
    <COMPANY>Medley</COMPANY>
    <PRICE>7.80</PRICE>
    <YEAR>1983</YEAR>
  </CD>
  <CD>
    <TITLE>Pavarotti Gala Concert</TITLE>
    <ARTIST>Luciano Pavarotti</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>DECCA</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1991</YEAR>
  </CD>
  <CD>
    <TITLE>The dock of the bay</TITLE>
```

```xml
      <ARTIST>Otis Redding</ARTIST>
      <COUNTRY>USA</COUNTRY>
      <COMPANY>Atlantic</COMPANY>
      <PRICE>7.90</PRICE>
      <YEAR>1987</YEAR>
   </CD>
   <CD>
      <TITLE>Picture book</TITLE>
      <ARTIST>Simply Red</ARTIST>
      <COUNTRY>EU</COUNTRY>
      <COMPANY>Elektra</COMPANY>
      <PRICE>7.20</PRICE>
      <YEAR>1985</YEAR>
   </CD>
   <CD>
      <TITLE>Red</TITLE>
      <ARTIST>The Communards</ARTIST>
      <COUNTRY>UK</COUNTRY>
      <COMPANY>London</COMPANY>
      <PRICE>7.80</PRICE>
      <YEAR>1987</YEAR>
   </CD>
   <CD>
      <TITLE>Unchain my heart</TITLE>
      <ARTIST>Joe Cocker</ARTIST>
      <COUNTRY>USA</COUNTRY>
      <COMPANY>EMI</COMPANY>
      <PRICE>8.20</PRICE>
      <YEAR>1987</YEAR>
   </CD>
</CATALOG>
```

Bước 2: tạo file css.

```css
/*
   Created on : Jul 25, 2016, 12:57:28 AM
   Author     : minhvt
*/
CATALOG {
   background-color: #ffffff;
   width: 100%;
}
CD {
```
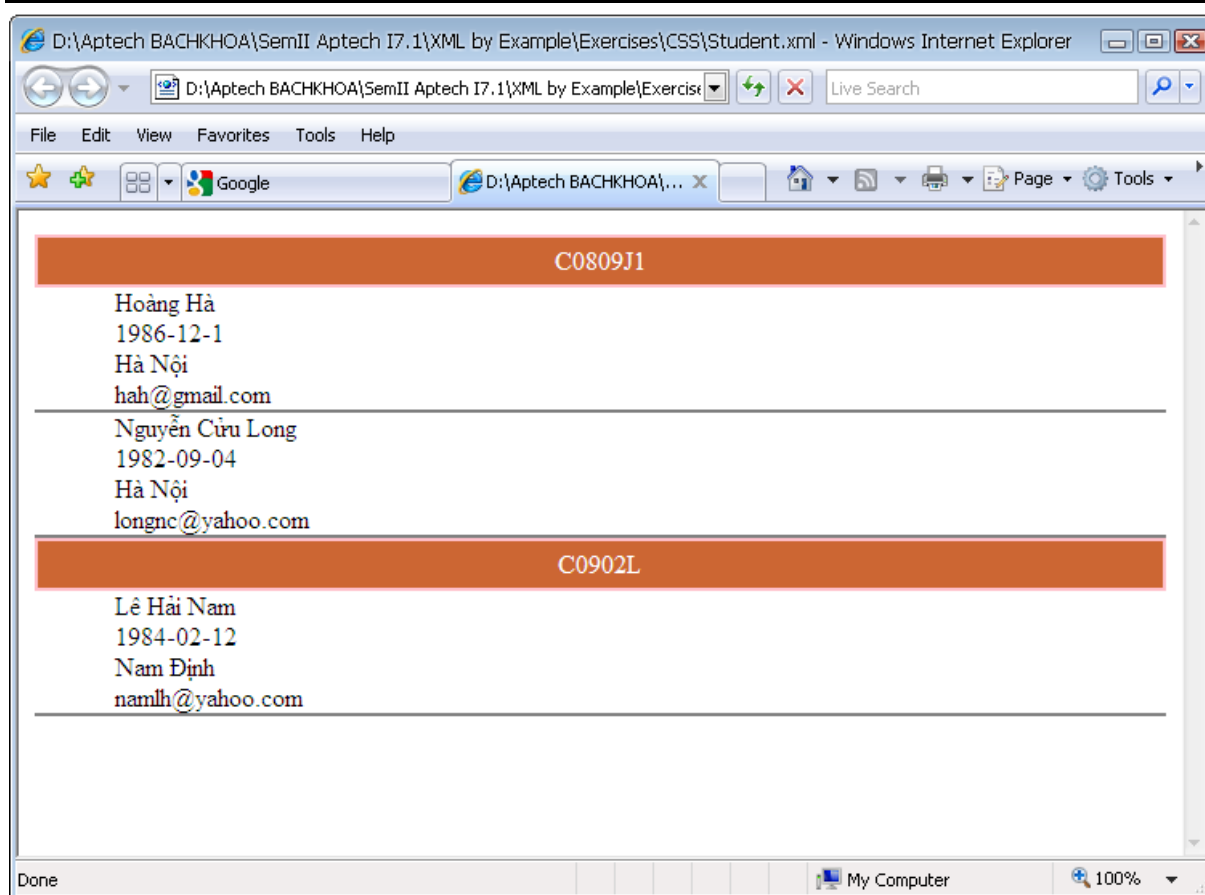
```
    display: block;
    margin-bottom: 30pt;
    margin-left: 0;
}
TITLE {
    display: block;
    color: #ff0000;
    font-size: 20pt;
}
ARTIST {
    display: block;
    color: #0000ff;
    font-size: 20pt;
}
COUNTRY, PRICE, YEAR, COMPANY {
    display: block;
    color: #000000;
    margin-left: 20pt;
}
```

Bước 3: gọi file css trong xml.

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="CatalogCD.css"?>
<CATALOG>
    <CD>
............
```

Bài thực hành 3: tạo file xml mô tả dữ liệu sinh viên Bách Khoa Aptech có sử dụng CSS để định dạng kiểu hiển thị như hình sau:

Bước 1: tạo file xml.

```xml
<?xml version="1.0" encoding="utf-8"?>
<Classes>
  <Class>
    <Name>C0810G</Name>
    <Student>
      <FullName>Hoàng Hà</FullName>
      <BirthDay>1986-12-1</BirthDay>
      <Address>Hà Nội</Address>
      <Email>hah@gmail.com</Email>
    </Student>
    <Student>
      <FullName>Nguyễn Cửu Long</FullName>
      <BirthDay>1982-09-04</BirthDay>
      <Address>Hà Nội</Address>
      <Email>longnc@yahoo.com</Email>
    </Student>
  </Class>
  <Class>
    <Name>C0902L</Name>
```

```xml
    <Student>
      <FullName>Lê Hải Nam</FullName>
      <BirthDay>1984-02-12</BirthDay>
      <Address>Nam Định</Address>
      <Email>namlh@yahoo.com</Email>
    </Student>
  </Class>
</Classes>
```

Bước 2: tạo file css.

```css
/*
   Created on : Jul 25, 2016, 1:11:15 AM
   Author     : minhvt
*/
Name{
    display: block;
    border-bottom: solid 2px pink;
    border-top: solid 2px pink;
    border-left: solid 2px pink;
    border-right: solid 2px pink;
    color: white;
    background: #cc6633;
    text-align:center;
    padding-bottom:5px;
    padding-top:5px;
}

FullName,BirthDay,Address,Email{
    display:block;
    text-indent:50px;
}

Email{
    border-bottom: solid 2px gray;
}
```

Bước 3: gọi file css trong xml.

```xml
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type="text/css" href="student.css"?>
<Classes>
  <Class>
    <Name>C0810G</Name>
```

....

Bài thực hành 4: tạo file xml mô tả các dữ liệu thông tin 4 kỳ học ở Aptech như hình sau:

Bước 1: tạo file xml.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<School abc="adsfds">
  <Name>BachKhoa-Aptech Computer Educatino</Name>
  <Address>250 - Hoàng Quốc Việt - Hà Nội</Address>
  <Sem>
    <NameSem>Semesters 1</NameSem>
    <Student>
      <NameStudent>A</NameStudent>
      <Subject>
        <NameSubject>HDJ</NameSubject>
        <Mark>15</Mark>
      </Subject>
      <Subject>
        <NameSubject>CF</NameSubject>
        <Mark>23</Mark>
      </Subject>
    </Student>
    <NameSem>Semesters 2</NameSem>
    <Student>
      <NameStudent>A</NameStudent>
      <Subject>
        <NameSubject>HDJ</NameSubject>
        <Mark>15</Mark>
      </Subject>
      <Subject>
```

```
            <NameSubject>CF</NameSubject>
            <Mark>23</Mark>
         </Subject>
      </Student>
   </Sem>
</School>
```
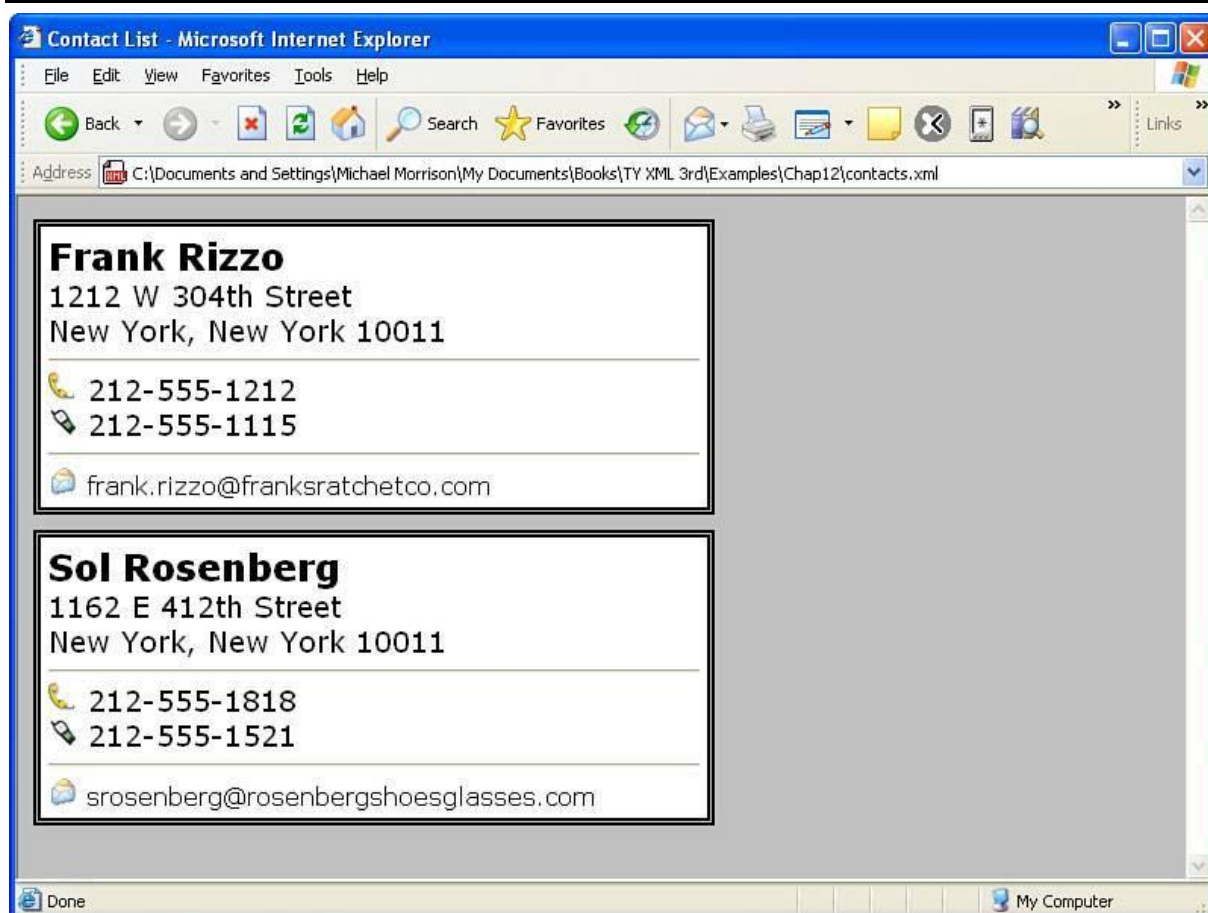
Bước 2: tạo file css.

```css
/*
   Created on : Jul 25, 2016, 1:15:31 AM
   Author     : minhvt
*/
Name,NameSem,Address{
   display:block; background-color:Black;color:White
}
NameStudent{
   display:block; background-color:Gray;color:White
}
Subject{
   display:block
}
NameSubject,Mark{
   margin-left:200
}
```

Bước 3: gọi file css trong xml.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="aptech.css" type="text/css"?>
<School abc="adsfds">
   <Name>BachKhoa-Aptech Computer Educatino</Name>
   <Address>250 - Hoàng Quốc Việt - Hà Nội</Address>
   <Sem>
..........
```
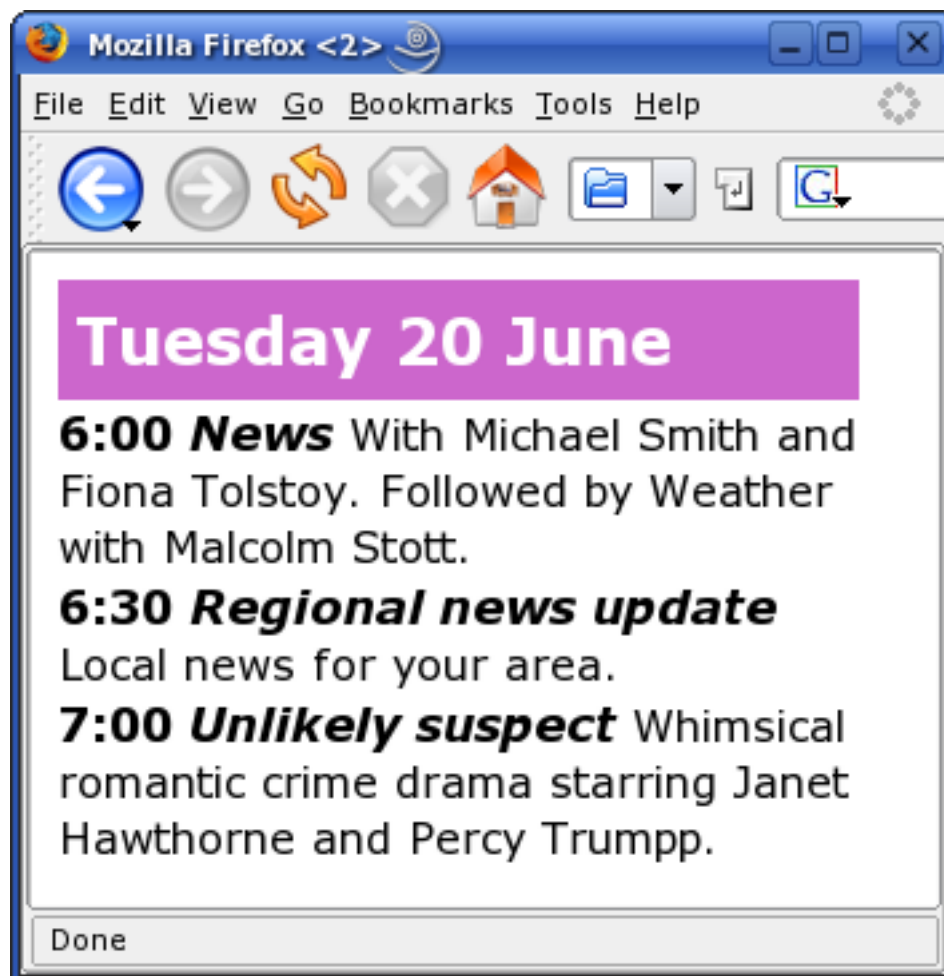
Phần II - Bài tập tự làm

Bài 1:

Bài 2:

QIP-3

UNIT-I

Lecture Number	Topic Description
Lecture-1	Introduction to HTML, HTML Basic Tags
Lecture-2	HTML Images, Links, Style
Lecture-3	HTML Tables, HTML Lists
Lecture-4	HTML Frames, HTML Forms
Lecture-5	HTML Forms
Lecture-6	CSS
Lecture-7	XML, XML Documents
Lecture-8	DTD
Lecture-9	XML Schema
Lecture-10	XML Parsers

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Bài 3:

Bài 4:

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Improving an XML feed display through CSS and XSLT

XML feeds, though useful, are boring to look at. It's possible though to make them easier on the eye, and in this article we'll look at two ways of doing that. First, we'll use simple CSS properties to format each XML node, and then we'll use a little more complex but much more powerful XSL transformation.

Sun, 06 Mar 2005 00:00:00 MST
http://www.xefteri.com/articles/show.cfm?id=24

Identity fields in Oracle and SQL Server

While it may be relatively easy to create an incrementing and unique identifier inside a table in SQL Server, things get tricky with Oracle. In this article, we'll see the differences between the two databases and offer a way of solving the problem.

Mon, 17 Mar 2003 00:00:00 MST
http://www.xefteri.com/articles/show.cfm?id=23

Exporting Word files to HTML

In this article we will first discuss the case for and against using Word as your HTML editor. Then we will see how to properly save a Word file to smaller, more compact HTML files. Third and last, we will see how to do this through code, and possibly create a batch process for converting numerous Word files to HTML at once.

Wed, 05 Mar 2003 00:00:00 MST
http://www.xefteri.com/articles/show.cfm?id=22