Web Engineering Class Activity Group Exercise – 2

XML-DTD

Gr-1

Develop an XML file based on the following DTD for Computer Parts comprising of a Motherboard, Video Card, Sound Card and a Monitor.

```
<!ELEMENT PARTS (TITLE?, PART*)>
<!ELEMENT TITLE (#PCDATA)>
<!ELEMENT PART (ITEM, MANUFACTURER, MODEL, COST)+>
<!ATTLIST PART
    type (computer|auto|airplane) #IMPLIED>
<!ELEMENT ITEM (#PCDATA)>
<!ELEMENT MANUFACTURER (#PCDATA)>
<!ELEMENT MODEL (#PCDATA)>
<!ELEMENT COST (#PCDATA)>
```

Solution

```
<?xml version="1.0"?>
<!DOCTYPE PARTS SYSTEM "parts.dtd">
<?xml-stylesheet type="text/css" href="xmlpartsstyle.css"?>
   <TITLE>Computer Parts</TITLE>
   <PART>
      <ITEM>Motherboard</ITEM>
      <MANUFACTURER>ASUS</MANUFACTURER>
      <MODEL>P3B-F</MODEL>
      <COST> 123.00</COST>
   </PART>
   <PART>
      <ITEM>Video Card</ITEM>
      <MANUFACTURER>ATI
      <MODEL>All-in-Wonder Pro</MODEL>
      <COST> 160.00</COST>
   </PART>
   <PART>
      <ITEM>Sound Card</ITEM>
      <MANUFACTURER>Creative Labs/MANUFACTURER>
      <MODEL>Sound Blaster Live</MODEL>
      <COST> 80.00</COST>
   </PART>
   <PART>
      <ITEM□ inch Monitor</ITEM>
      <MANUFACTURER>LG Electronics/MANUFACTURER>
      <MODEL> 995E</MODEL>
      <COST> 290.00</COST>
   </PART>
</PARTS>
```

XML-DTD Gr -2

Develop an XML file based on the following DTD for one recipe with atleast 4 steps of preparation.

```
<?xml version="1.0" encoding="UTF-8"?>
<collection>
  <description>
     Some recipes used for the XML tutorial.
  </description>
  <recipe>
    <title>Beef Parmesan with Garlic Angel Hair Pasta</title>
    <ingredient name="beef cube steak" amount="1.5" unit="pound"/>
    <preparation>
       <step>
       Preheat oven to 350 degrees F (175 degrees C).
       </step>
       <step>
       This is step 2.
       </step>
       <step>
       This is step 3.
       </step>
       <step>
       This is step 4.
       </step>
    </preparation>
</recipe>
</collection>
```