

**Informatics Institute of Technology
Department of Computing**

Module: 4MMCS0010C – Web Design and Development

Degree Program - BEngSE

Tutorial Group - Group B

Module Leader: Ms. Aloka Fernando

Tutorial 06 – XML & DTD

Date of submission : 10/03/2018

Student ID : 2017116

UOW Number : w1673669

First Name : Vikum

Surname : Kottalbadde

1) Q1

- XML

```
<recipe>
<name>Oyster Soup</name>
<author>Jamie Oliver</author>
<ingredients>
<list>
<item ingredient="optional">1 stalk of celery</item>
<item>1 onion</item>
<item>2 tablespoons of butter</item>
<item>2 cups of oysters and their liquor</item>
<item>2 cups of milk</item>
</list>
</ingredients>
<process>
<p>Begin by sauteing the celery and onions in butter until
soft.
Add oysters, oyster liquor, and cream. Heat until the oysters
float.
Serve in warm bowls.
</p>
<p><i>Yummy!</i></p>
</process>
</recipe>
```

2) Q 2

- DTD + XML

```
<?xml version = "1.0" ?>
<?xml-stylesheet type="text/css" href="my-style.css"?>
<!DOCTYPE menu [
<!ELEMENT menu (heading, section+) >
<!ELEMENT heading (address, title)>
<!ELEMENT section (subtitle,option*)>
<!ELEMENT option (item, price)>
<!ELEMENT address (#PCDATA)>
<!ELEMENT title (#PCDATA)>
<!ELEMENT subtitle (#PCDATA)>
<!ELEMENT item (#PCDATA)>
<!ELEMENT price (#PCDATA)>
]>
<menu>
    <heading>
        <address>New York – Harrow – Paris</address>
        <title>The Bar Cafe Menu</title>
    </heading>
    <section>
        <subtitle>Salads </subtitle>
        <option><item>Chicken salad </item><price>3.50</price></option>
        <option><item>Cheese salad </item><price>2.50</price></option>
        <option><item>Tuna salad </item><price>2.00</price></option>
    </section>
```

```
<section>
  <subtitle>Pasta</subtitle>
  <option><item>Vegetable pasta </item><price>2.50</price></option>
  <option><item>Spaghetti Bolognese </item><price>3.00</price></option>
</section>
</menu>
```

- CSS

```
menu{background-color: black; border: 3px solid green; padding: 10px;
      color: white; display: grid; width: 250px; margin: auto; margin-top: 150px; font-size: 20px;}
heading{text-align: center; }
address{margin-bottom:5px; color: #ef4545;}
title {color:#68dde8; }
section {background-color: #514341; padding: 5px; display: grid; margin-top:20px;}
subtitle {border-width: 2px; border-radius: 20px; text-decoration: underline; text-decoration-
          color:#e868ca; color: yellow; margin-bottom: 10px; border-bottom:3px;}
item{float: left;}
price{float: right;}
```

Screenshot

