



**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**

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Student ID : 2017116

UOW Number : w1673669

First Name : Vikum

Surname : Kottalbadde

1. **Q 1**

<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>

* **XML**

**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**

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