

XML , XSLT AND XQUERY

AIM:

To explore xml,xslt and xquery to design web pages and also retrieve essential data from the pages.

STEPS:

- Create a simple XML file with tags and values
- Create a XSLT file that gets the data from the XML file.
- Link the XML file with the XSLT file <?xml-stylesheet> tag.
- Run the XML file using a browser that can support XML transformation.

TOOLS USED: Oxygen XML Editor, Firefox Browser

1. Create a Christmas party menu card and reservation form as shown below using XSLT.

CODE: (XML)

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="test.xsl"?>
<event>
  <title>CHRISTMAS PARTY MENU</title>
  <courses>
    <course>
      <name>3 courses 25$ per person</name>
    </course>
    <course>
      <name>2 courses 22$ per person</name>
    </course>
  </courses>
  <special>
    <name>Thai Style Prawn Cocktail</name>
    <line>Little gem,mint,lemon grass and corriander
leaf,Sriracha mayo</line>
  </special>
  <special>
    <name>Vine Tomato and Roast Red Pepper Soup</name>
    <line>Rustic bread,parmesan crisp</line>
  </special>
  <special>
    <name>Confit Duck Rilletties</name>
    <line>toast, spiced orange</line>
  </special>
  <special>
    <name>Caesar Salad Croquettes</name>
```

```

                <line>chicken croquetties, romaine lettuce, parmesan,
caesar dressing</line>
            </special>
            <special>
                <name>Tofu Nori Rolls</name>
                <line>Quinoa, avocado, pickled ginger, soy and wasabi
dip</line>
            </special>
            <special>
                <name>Traditional Christmas Dinner</name>
                <line>Roast turkey,pigs in blankets,stuffing, roast root
vegetables, roast potatoes, vegetarian gravy, craberry jelly</line>
            </special>
            <special>
                <name>Vegetarian Christmas Dinner (V)</name>
                <line>Red lentil loaf, stuffing, roast root vegetables,
steamed vegetables, roast potatoes, gravy , cranberry jelly</line>
            </special>
            <special>
                <name>Slow Cooked Ox Cheeks and Creamed Potatoes</name>
                <line>Sautled wild mushrooms, silverskin onions, pancetta,
red wine sauce</line>
            </special>
            <special>
                <name>Seafood Singapore Laksa</name>
                <line>Seabass, mussels, tiger prawns in spicy coconut broth
with noodles beansprouts, sambal and crispy onions</line>
            </special>
            <special>
                <name>Vegan Massaman Curry (Vg,Gf)</name>
                <line>Tofu, sweet potato, pineapple, shallots, Massaman
sauce, toasted</line>
            </special>
        </event>

```

CODE: (XSLT)

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    exclude-result-prefixes="xs"
    version="2.0">
    <xsl:template match="/">
        <html>
            <head>
                <style>
                    div
                    {
                        margin: auto;
                        width: 50%;
                    }
                    .idl
                    {

```

```

padding:30px;
}
.id2
{
border-style:solid
}
body {
background-image:
url('C:\\Users\\Yogha\\Downloads\\christmas.jpg');
background-repeat: no-repeat;
background-size: 100% 100%;
}
</style>
</head>
<body>
<div>
<h1>
<xsl:value-of
select="form/title"></xsl:value-of>
</h1>
<div style="border-
style:solid;padding-top: 50px;
padding-right: 30px;
padding-bottom: 50px;
padding-left: 80px;">
<xsl:for-each
select="form/for/t1">
<xsl:value-of
<input type="text"/>
<br>
<br></br>
</xsl:for-each>
<xsl:for-each
select="form/for/t2">
<xsl:value-of
select="name"/>
<input
type="checkbox"/>
<br>
<br></br>
</xsl:for-each>
</div>
<br>
<br>
<br></br>
<div style="border-
style:solid;padding-top: 50px;
padding-right: 30px;
padding-bottom: 50px;
padding-left: 80px;">
<xsl:for-each
select="form/for1/t1">

```

```

select="name"/>
type="checkbox"/>
<xsl:value-of
<input
<br>
<br></br>
</br>
</xsl:for-each>
</div>
</div>
</body>
</html>
</xsl:template>
</xsl:stylesheet>

```

OUTPUT:



CHRISTMAS PARTY BOOKING FORM

NAME:

EMAIL:

CONTACT TEL:

DATE OF PARTY:

TIME:

NUMBER OF GUESTS:

DEPOSIT PAID (\$\$ per person):

2 COURSES ☐

3 COURSES ☐

RESULT : Thus XML, XSLT was used to create web pages.