Assignment No 3

TITLE : XML and CSS

PROBLEM STATEMENT

Write a program to design book catalog by using XML and CSS to display tile, author, price and year of the book.

OUTCOMES

Students will be able to,

1. Design static webpage using XML.

2. Apply CSS to XML pages.

SOFTWARE & HARDWARE REQUIREMENTS

Software: Notepad, Any Browser

THEORY-CONCEPT

XML stands for Extensible Markup Language. It is nothing but the text-based markup language which is derived from Standard Generalized Markup Language(SGML).

XML tags identify the data and are used to store and organize the data, rather than specifying how to display it like HTML tags, which are used to display the data. XML is not going to replace HTML in the near future, but it introduces new possibilities by adopting many successful features of HTML.

There are three important characteristics of XML that make it useful in a variety of systems and

solutions –

• XML is extensible − XML allows you to create your own self-descriptive tags, or language, that suits your application.

• XML carries the data, does not present it − XML allows you to store the data irrespective of how it will be presented.

XML is a public standard − XML was developed by an organization called the World Wide

Web Consortium (W3C) and is available as an open standard.

TECHNOLOGY/TOOL

The XML document have an XML declaration, but it is optional, and it is written as−

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

Where version is nothing but the version of an XML document and UTF specifies the character- encoding used in the document.

Each XML-element needs to be closed either with start or with end elements as shown below −

<element>………</element> An XML document can have only one root element.

<root>

<x>...</x>

<y>...</y>

</root>

XML Attributes:

Using a name/value pair, an attribute specifies a single property for an element. An XML- element can have one or more attributes. For example −

<a href = "http://www.google.com/">XMLTutorial</a>

Here href is the attribute name and http://www.google.com/ is attribute value.

DESIGN/EXECUTION STEPS

Following steps are used to Create and Execute web applications,

1. Write the XML code in notepad and save with .xml extension.

2. Write the CSS code in notepad and save with .css extension.

3. Import CSS file in XML page.

4. Open XML page in the browser.

**TEST CASES**

Manual testing is used to check whether CSS gets applied or not.

**CONCLUSION/ANALYSIS**

Hence, we have designed static web pages using XML and CSS