## XML:-

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

## <data>

## <User>

## <name>Foram</name>

## <book1>EME</book1>

## <book2>SE</book2>

## <book3>CG</book3>

## <book4>HTML</book4>

## <totbk>4</totbk>

## </User>

## <User>

## <name>bansi</name>

## <book1>eem</book1>

## <book2>DS</book2>

## <book3>CN</book3>

## <book4>WT</book4>

## <totbk>4</totbk>

## </User>

## <User>

## <name>Aarushi</name>

## <book1>WT</book1>

## <book2>DS</book2>

## <book3>CN</book3>

## <book4>OOP</book4>

## <book5>CG</book5>

## <totbk>5</totbk>

## </User>

## </data>

## Schema:-

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"

targetNamespace="http://www.domain.com"

xmlns:"http://www.domain.com" elementFormDefault="qualified">

<xs:element name="login">

<xs:complexType>

<xs:sequence>

<xs:element name="Username" type="xs:integer"/>

<xs:element name="password" type="xs:string"/>

<xs:element name="submit"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="e-library">

<xs:complexType>

<xs:sequence>

<xs:element name="category">

<xs:complexType>

<xs:element name="Book">

<xs:complexType>

<xs:sequence>

<xs:element name="ISBN no">

<xs:simpleType>

<xs:restriction base="xs:integer">

<xs:pattern value="([0-9]{5,10})">

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="books id">

<xs:simpleType>

<xs:restriction base="xs:integer">

<xs:pattern value="([0-9]{3,5)">

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="books name">

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:pattern value="([0-9]{2,25})">

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="books eddition">

<xs:simpleType>

<xs:restriction base="xs:integer">

<xs:pattern value="([0-9]{0,2})">

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="authour name">

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:pattern value="([0-9]{3,15})">

</xs:restriction>

</xs:simpleType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:complexType>

</xs:element>

<xs:element name="Downlode">

<xs:complexType>

<xs:element name="category">

<xs:simpleType>

<xs:sequence>

<xs:element name="gtuug" />

<xs:element name="gtupg" />

<xs:element name="muug" />

<xs:element name="mupg" />

</xs:sequence>

</xs:simpleType>

</xs:element>

<xs:element name="D\_book">

<xs:complexType>

<xs:sequence>

<xs:element name="D\_bookid" type="valuelist">

<xs:simpleType name="valuelist">

<xs:list itemType="xs:integer"/>

</xs:simpleType>

</xs:element>

<xs:element name="D\_bookname" type="xs:string"/>

<xs:simpleType name="valuelist" >

<xs:list itemType="xs:string"/>

</xs:simpleType>

</xs:element>

<xs:element name="bookinfotable" />

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

## XSTL :-

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

## <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

## <xsl:template match="/">

## <html>

## <body>

## <h2>Book</h2>

## <table border="1">

## <tr bgcolor="#9acd32">

## <th style="text-align:left">User Name</th>

## <th style="text-align:left">Book 1</th>

## <th style="text-align:left">Book 2</th>

## <th style="text-align:left">Book 3</th>

## <th style="text-align:left">Book 4</th>

## <th style="text-align:left">Book 5</th>

## <th style="text-align:left">Total Book</th>

## </tr>

## <xsl:for-each select="data/User">

## <tr>

## <td><xsl:value-of select="name"/></td>

## <td><xsl:value-of select="book1"/></td>

## <td><xsl:value-of select="book2"/></td>

## <td><xsl:value-of select="book3"/></td>

## <td><xsl:value-of select="book4"/></td>

## <td><xsl:value-of select="book5"/></td>

## <td><xsl:value-of select="totbk"/></td>

## </tr>

## </xsl:for-each>

## </table>

## </body>

## </html>

## </xsl:template>

## </xsl:stylesheet>

## Book

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Name** | **Book 1** | **Book 2** | **Book 3** | **Book 4** | **Book 5** | **Total Book** |
| Foram | EME | SE | CG | HTML |  | 4 |
| bansi | eem | DS | CN | WT |  | 4 |
| Aarushi | WT | DS | CN | OOP | CG | 5 |