

Title: XML and Related Technologies

Student Name: Talent Nyota

Course Code: INFT 3101

Institution Name: Durham College

Date: 26/09/2024

Logo:

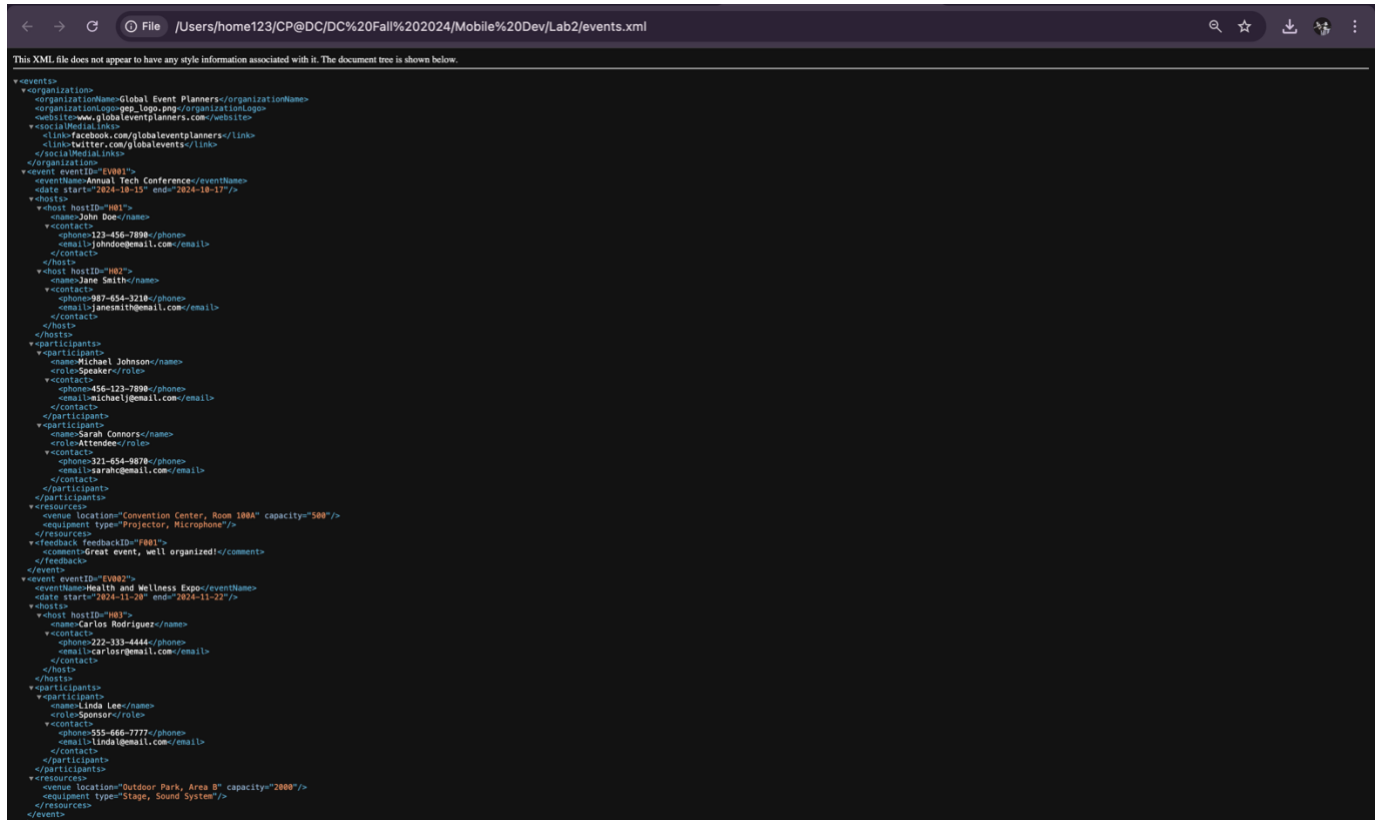
Table of Contents

Screenshots of your XML file as rendered in the browser – *page: 3*

DTD code and XML validation output – *page: 4-5*

REFERENCES - *page: 6.*

Screenshots of XML file as rendered in chrome browser



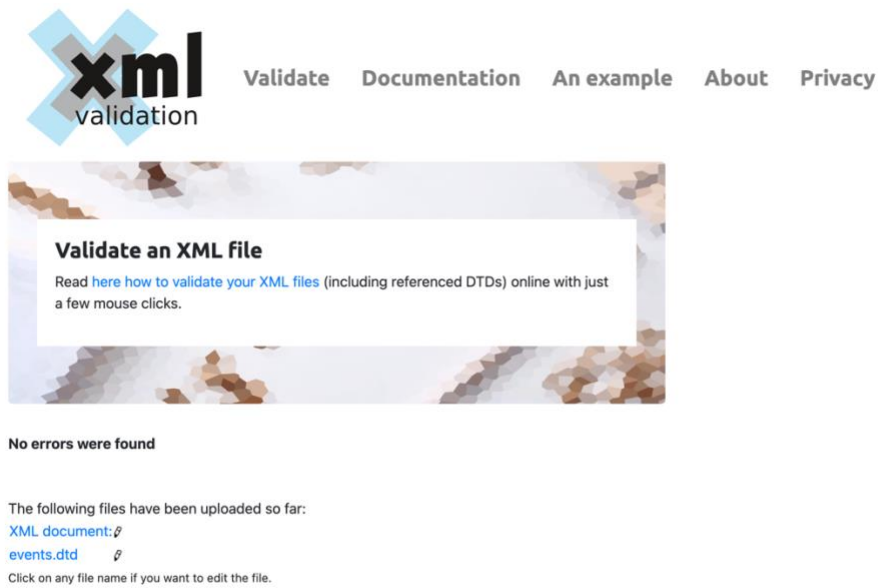
DTD code

```

1  <!ELEMENT events (organization, event+)>
2  <!ELEMENT organization (organizationName, organizationLogo, website?, socialMediaLinks)>
3  <!ELEMENT organizationName (#PCDATA)>
4  <!ELEMENT organizationLogo (#PCDATA)>
5  <!ELEMENT website (#PCDATA)>
6  <!ELEMENT socialMediaLinks (link*)>
7  <!ELEMENT link (#PCDATA)>
8
9  <!ELEMENT event (eventName, date, hosts, participants, resources, feedback?)>
10 <!ATTLIST event eventID ID #REQUIRED>
11 <!ELEMENT eventName (#PCDATA)>
12 <!ELEMENT date EMPTY>
13 <!ATTLIST date start CDATA #REQUIRED>
14 <!ATTLIST date end CDATA #REQUIRED>
15
16 <!ELEMENT hosts (host+)>
17 <!ELEMENT host (name, contact)>
18 <!ATTLIST host hostID ID #REQUIRED>
19 <!ELEMENT name (#PCDATA)>
20
21 <!ELEMENT contact (phone, email)> <!-- Declared once here -->
22 <!ELEMENT phone (#PCDATA)>
23 <!ELEMENT email (#PCDATA)>
24
25 <!ELEMENT participants (participant+)>
26 <!ELEMENT participant (name, role, contact)> <!-- Reusing contact here -->
27 <!ELEMENT role (#PCDATA)>
28
29 <!ELEMENT resources (venue, equipment)>
30 <!ELEMENT venue EMPTY>
31 <!ATTLIST venue location CDATA #REQUIRED>
32 <!ATTLIST venue capacity CDATA #REQUIRED>
33 <!ELEMENT equipment EMPTY>
34 <!ATTLIST equipment type CDATA #REQUIRED>
35
36 <!ELEMENT feedback (comment)>
37 <!ATTLIST feedback feedbackID ID #REQUIRED>
38 <!ELEMENT comment (#PCDATA)>
39

```

XML validation output



The image shows the XML validation website interface. At the top, there is a logo with a large 'x' and the text 'xml validation'. To the right of the logo are navigation links: 'Validate', 'Documentation', 'An example', 'About', and 'Privacy'. Below the navigation links is a banner with a background image of a landscape. The banner contains the text 'Validate an XML file' and a paragraph: 'Read [here how to validate your XML files](#) (including referenced DTDs) online with just a few mouse clicks.' Below the banner, the text 'No errors were found' is displayed. Further down, the text 'The following files have been uploaded so far:' is shown, followed by a list of files: 'XML document: ⌵' and 'events.dtd ⌵'. At the bottom, there is a small text: 'Click on any file name if you want to edit the file.'

xml validation

[Validate](#) [Documentation](#) [An example](#) [About](#) [Privacy](#)

Validate an XML file

Read [here how to validate your XML files](#) (including referenced DTDs) online with just a few mouse clicks.

No errors were found

The following files have been uploaded so far:

[XML document](#): ⌵

[events.dtd](#) ⌵

Click on any file name if you want to edit the file.

References

1. **World Wide Web Consortium (W3C)**. (n.d.). *XML*. Retrieved September 26, 2024, from <https://www.w3.org/XML/>
2. **Johnson, J.** (n.d.). *XML Tools for Visual Studio Code*. Visual Studio Marketplace. Retrieved September 26, 2024, from <https://marketplace.visualstudio.com/items?itemName=DotJoshJohnson.xml>
3. **W3Schools**. (n.d.). *XML Tutorial*. Retrieved September 26, 2024, from <https://www.w3schools.com/xml/>
4. **FreeFormatter**. (n.d.). *XML Validator*. Retrieved September 26, 2024, from <https://www.freeformatter.com/xml-validator-dtd.html>
5. **Homebrew**. (n.d.). *The Missing Package Manager for macOS (or Linux)*. Retrieved September 26, 2024, from <https://brew.sh/>