Title: XML and Related Technologies

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Course Code: INFT 3101

Institution Name: Durham College

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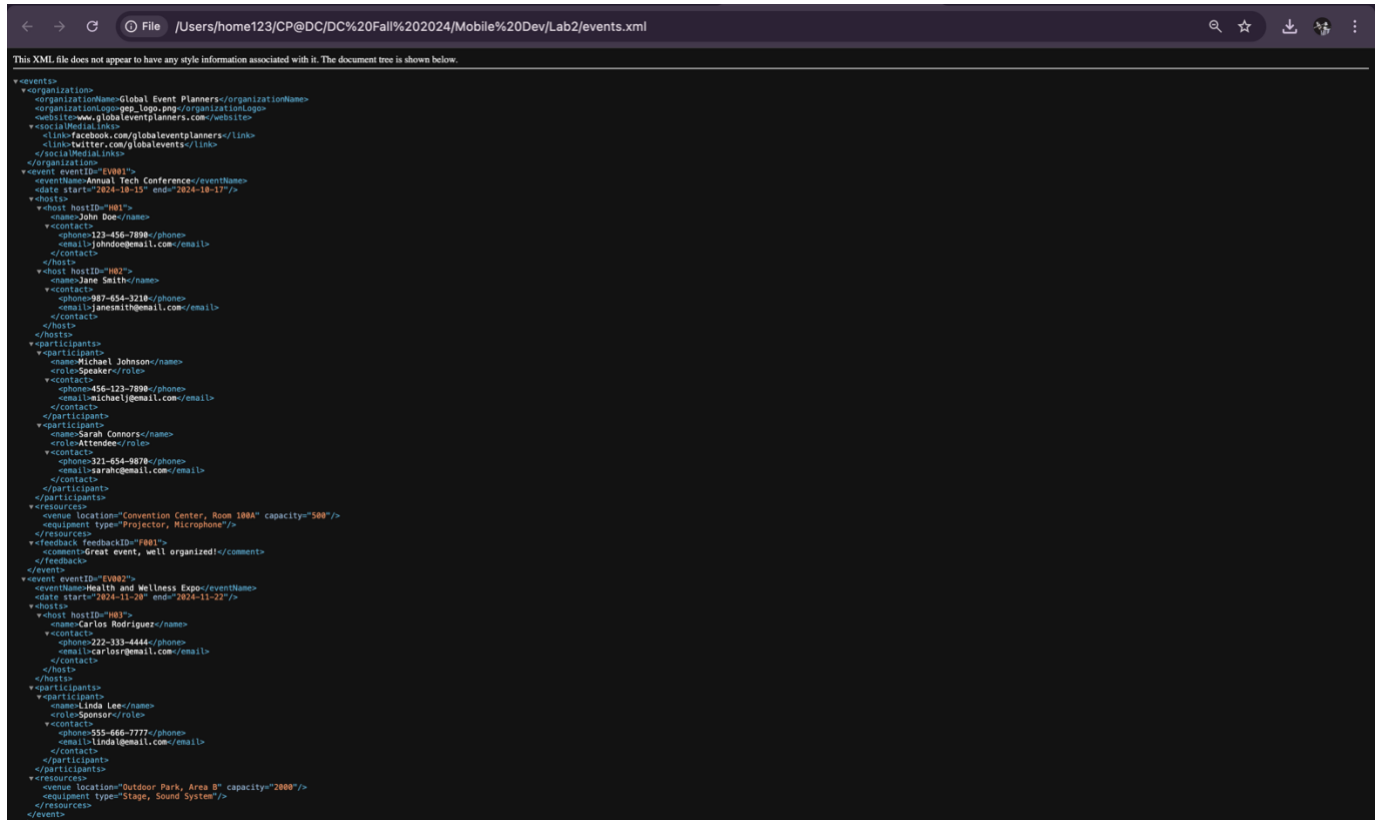
Logo:

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Screenshots of XML file as rendered in chrome browser

DTD code

```
events.dtd > ...
 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
```
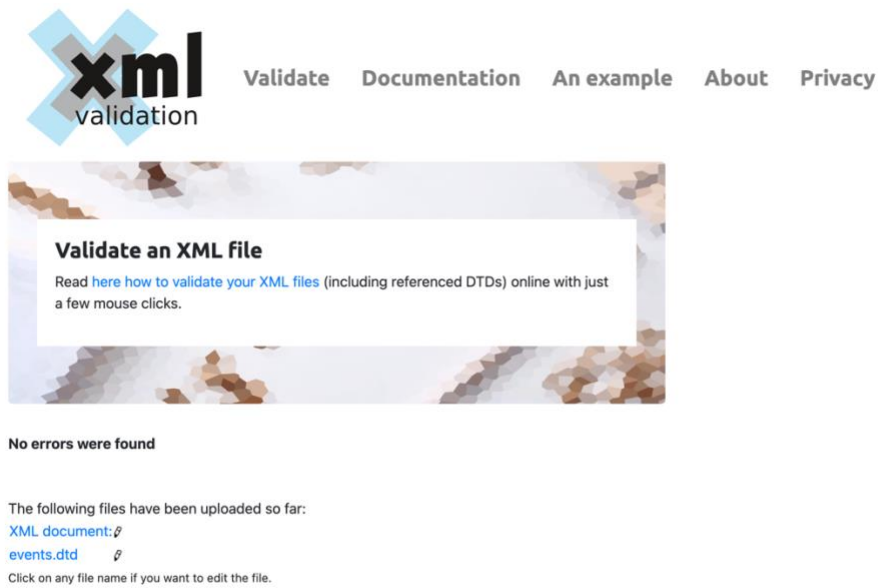
XML validation output

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/