XML/XSL VALIDATION
WEB STACK DEVELOPMENT

In the validation process, the XML product data is converted from the e-commerce catalog into a user friendly HTML format while adhering to a predefined XSD (XML Schema Definition).

The XML data is transformed using XSLT to improve the presentation of the XML data in a structured HTML structure. The transformation process includes defining templates that correspond to specific XML nodes. The XML data is extracted and included in the HTML structure using the XML value-of function.

Before the transformation, the XSD data is validated to ensure compliance with specified rules. The XSD schema specifies the structure and limits for product elements such as numerical price values.

The validation errors are captured to identify and potentially correct the non-conformity of the data. This case study demonstrates proficiency in XML-as-a-Service (XSLT) and schema creation. It demonstrates manipulation of data, ensuring accuracy, and providing improved data visualization on the website.

Here 5 files are being used

ecommerce.xml - which defines the xml form data that we want to convert into a HTML

ecommerce.xsl - the extensible stylesheet which defines the style of how the xml data is to be structured

ecommerce.xsd - the schema file to which the xml corresponds to with appropriate tags

ecommerce.py - python script to read both xml as well as the xsl file and create a HTML file and create a validation logic to compare the created html and the existing xml schema

ecommerceparse.html - the Dynamic html content that is created using the python script

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