

TEST RESULTS

2.1 Verification/Validation

XML Verification : TryIt

Description:

Web operation “verification” takes the URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file as inputs and validates the XML file against the corresponding XMLS (XSD) file.

URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file.

Output: A string that returns “No Error” or an error message showing the available information at the error point.

Input XmlURL:
Input XsdURL:

No Error: The XML file validation has been completed successfully.

No Errors, valid XML file

XML Verification : TryIt

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URL: <http://localhost:49403/Service1.svc>

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Output: A string that returns “No Error” or an error message showing the available information at the error point.

Input XmlURL:
Input XsdURL:

**The element 'Person' has invalid child element 'First'. List of possible elements expected: 'Name'.
The element 'Name' has invalid child element 'Last'. List of possible elements expected: 'First'.
The element 'Credential' has invalid child element 'Password'. List of possible elements expected: 'Id'.
The element 'Name' has incomplete content. List of possible elements expected: 'Last'.**

Error when Name tag is removed, no contents for First and Last tags, remove First tag, Id tag removed

XML Verification : TryIt

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Web operation “verification” takes the URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file as inputs and validates the XML file against the corresponding XMLS (XSD) file.

URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file.

Output: A string that returns “No Error” or an error message showing the available information at the error point.

Input XmlURL	<input type="text" value="http://www.public.asu.edu/~sbyralin/PhoneWorkCell.xml"/>	<input type="button" value="VALIDATE"/>
Input XsdURL	<input type="text" value="http://www.public.asu.edu/~sbyralin/Persons.xsd"/>	

The 'Cell' element is invalid - The value '480411177000' is invalid according to its datatype 'String' - The Pattern constraint failed.
 The 'Work' element is invalid - The value '' is invalid according to its datatype 'check10' - The Pattern constraint failed.
 The element 'Person' has invalid child element 'Work'. List of possible elements expected: 'Phone'.
 The element 'Phone' has incomplete content. List of possible elements expected: 'Work'.

Error when Phone number is more than 10, remove Phone tag, No contents for Work etc

XML Verification : TryIt

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Web operation “verification” takes the URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file as inputs and validates the XML file against the corresponding XMLS (XSD) file.

URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file.

Output: A string that returns “No Error” or an error message showing the available information at the error point.

Input XmlURL	<input type="text" value="http://www.public.asu.edu/~sbyralin/EncryptionError.xml"/>	<input type="button" value="VALIDATE"/>
Input XsdURL	<input type="text" value="http://www.public.asu.edu/~sbyralin/Persons.xsd"/>	

The 'Encryption' attribute is invalid - The value 'none' is invalid according to its datatype 'encrypt' - The Enumeration constraint failed.
 The required attribute 'Encryption' is missing.
 The 'Encryption' attribute is invalid - The value 'yes' is invalid according to its datatype 'encrypt' - The Enumeration constraint failed.
 The 'Encryption' attribute is invalid - The value 'no' is invalid according to its datatype 'encrypt' - The Enumeration constraint failed.
 The 'Encryption' attribute is invalid - The value 'no' is invalid according to its datatype 'encrypt' - The Enumeration constraint failed.

Error when Encryption is removed, invalid content for encryption, no instead of No, yes instead of Yes

XML Verification : TryIt

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URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the corresponding XMLS (.xsd) file.

Output: A string that returns “No Error” or an error message showing the available information at the error point.

Input XmlURL:
 Input XsdURL:

Enter correct Inputs.

Error when only Person open tag<Person> is removed, Category and Credential tags removed

2.2 Transformation

URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the XSL(.xsl) file as inputs and generates the HTML file based on the XML and XSL files

Output: Display the generated HTML file in a formatted table.

Input XmlURL:
 Input XslURL:

Display Information of all the people in the Xml file

First Name	Last Name	Id	Password	Phone: Work	Phone: Cell	Category
Robert	Doe	robert01	Password01 Encryption: yes	4804111770	4804111770 Provider: TMobile	Work
Pema	Yang Chen Rana	pema02	Password02 Encryption: yes	5037241844	5037241844 Provider:	Friend
Jackie	Chan	jack03	Password03 Encryption: no	1206922086	1206922086 Provider:	Friend
Charlotte	Roose	charlotte04	Password04 Encryption: yes	7256922086	7256922086 Provider: Verizon	Work
Mitra	Vinda	mitra09	Password09 Encryption: no	4804109907	4804109907 Provider: Verizon	Family
Dr Deepak	Chen	deep05	Password05 Encryption: no	4804101808	4804101756 Provider: TMobile	Work

Transformation of a correct XML file with all the elements and contents

Input XmlURL
 Input XsdURL

Enter correct Inputs.

XML Transformation : TryIt

Description:

Web operation “transformation” takes the URL of an XML (.xml) file and the URL of the XSL(.xsl) file as inputs and generates the HTML file based on the XML and XSL files.

URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the XSL(.xsl) file as inputs and generates the HTML file based on the XML and XSL files

Output: Display the generated HTML file in a formatted table.

Input XmlURL
 Input XslURL

The 'Persons' start tag on line 1 position 2 does not match the end tag of 'Person'. Line 14, position 3.

Error when XML file with only opening tag of Persons missing.

Output: A string that returns “No Error” or an error message showing the available information at the error point.

Input XmlURL
 Input XsdURL

Give valid inputs!!!

XML Transformation : TryIt

Description:

Web operation “transformation” takes the URL of an XML (.xml) file and the URL of the XSL(.xsl) file as inputs and generates the HTML file based on the XML and XSL files.

URL: <http://localhost:49403/Service1.svc>

Input: URL of an XML (.xml) file and the URL of the XSL(.xsl) file as inputs and generates the HTML file based on the XML and XSL files

Output: Display the generated HTML file in a formatted table.

Input XmlURL
 Input XslURL

Give valid inputs!!!

Error when invalid inputs are given for 2.1, 2.2 web operations.

<http://www.public.asu.edu/~sbyralin/Persons.xsd> → Persons.xsd

<http://www.public.asu.edu/~sbyralin/Persons.xsl> → Persons.xsl

<http://www.public.asu.edu/~sbyralin/Persons.xml> → Persons.xml