

Lab 3 XML Schema

Given Aug 20, 2018

Due Aug 30, 2018

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Instruction

Please share these files in the folder “<id>-<yourname>-lab3” to your bitbucket account that you share with the teaching team

Problem 1 XML Schema Understanding (8 points)

What you need to submit in lab hours

[Problem 1.1](#)

Write your XSD file “thai-nation.xsd” for the given “thai-nation.xml” in Lab 2 such that “thai-nation.xml” is valid. Note that the elements in “thai-nation.xml” need to be in the namespace in the format `http://<your_name>.in.th` such as <http://kanda.in.th>

You should get the response that shows that your thai-nation.xml is valid as similar as shown in Figure 1. (2 points)

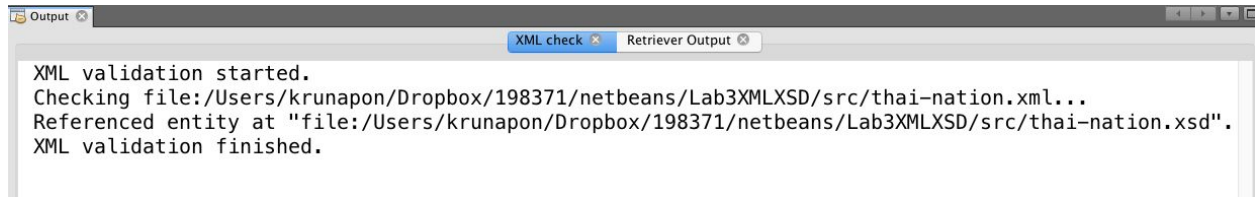


Figure 1: The result that shows the valid thai-nation.xml file

Problem 1.2

Write your XML file "ptt.xml" that is valid for the given file "[ptt.xsd](#)" Note that you need to have all elements that have minimum occurrences = 0

You should get the response that shows that your ptt.xml is valid as similar as shown in Figure 2. (3 points)

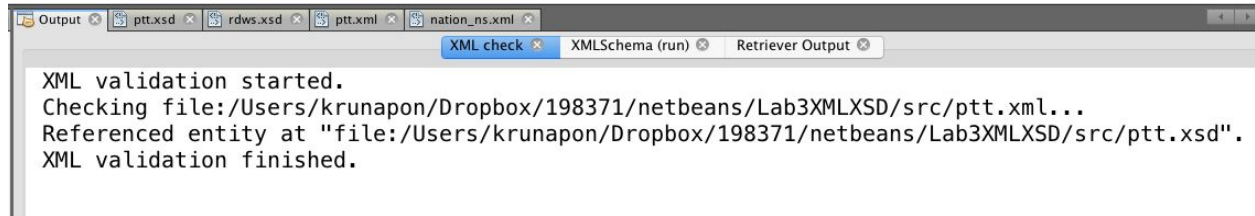


Figure 2: The result that shows the valid ptt.xml file

What you can do as assignments

Problem 1.3

Please write an XML Schema file purchaseorder.xsd for this [purchaseorder.xml](#) so that file purchaseorder.xml is valid (3 points)

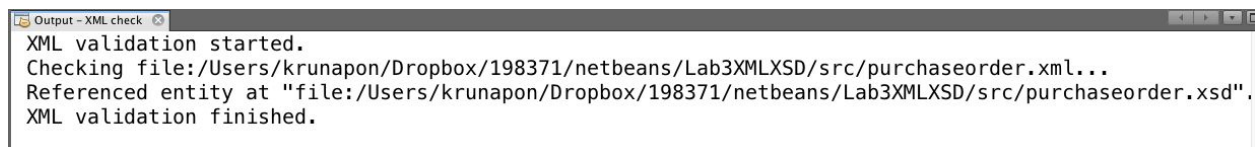


Figure 3. The result that shows the valid purchaseorder.xml file

Problem 2 Use Postman to Call SOAP Web Services (2 points)

2.1 Call PTT Oil Price Web Service with the function “GetOilPrice” with language “TH”, day = “01”, month = “08”, and year = “2018”

You should get the response that shows that your ptt.xml is valid as similar as shown in Figure 4. (2 points)

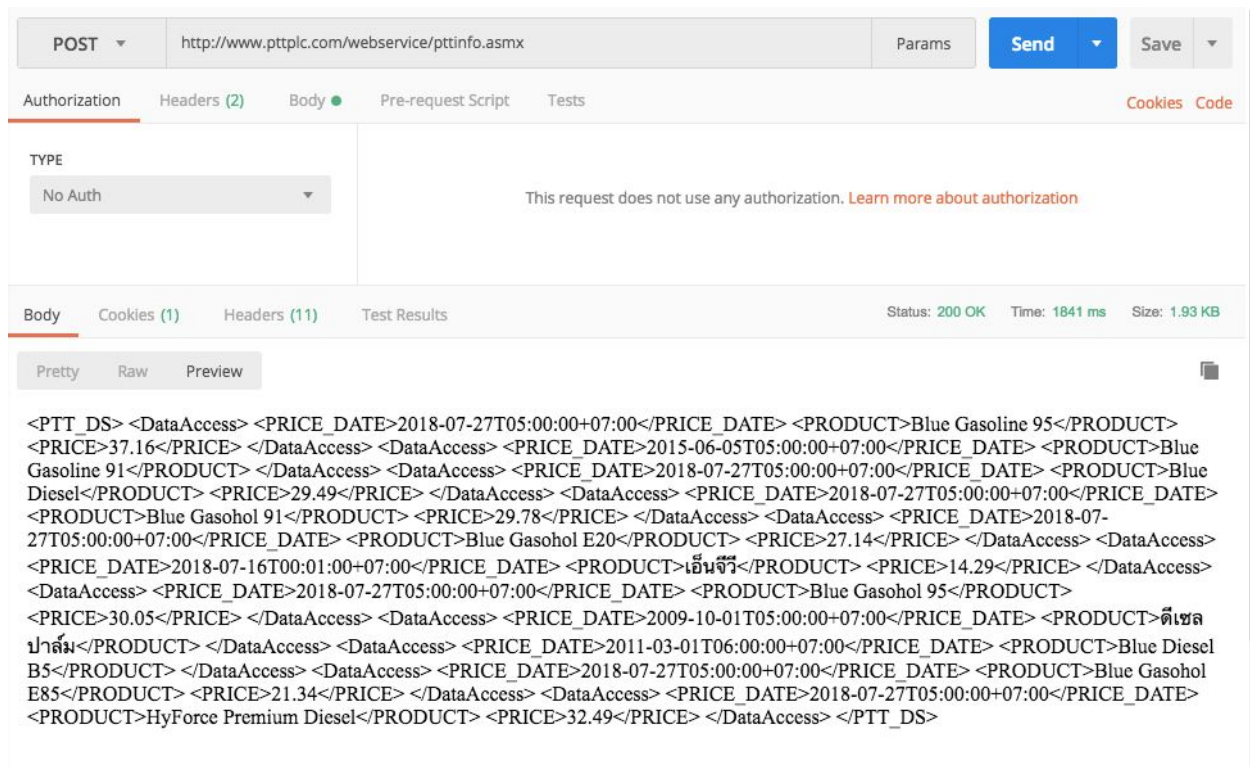


Figure 4: The output from calling PTT Oil Web Service with GetOilPrice function

What you need to submit

- 6 XML and XSD files
 - thai-nation.xml, thai-nation.xsd, ptt.xml, ptt.xsd, purchaseorder.xml, purchaseorder.xsd

- PNG/JPG file that captures the screen of the invocation of Calling PTT Oil Price Web Service with the function "GetOilPrice" with language "TH", day = "01", month = "08", and year = "2018"