Fundamentals of Data Management

Pass Task 2.1: Semi-Structured Data: XML and JSON

Overview

In this tutorial, you'll create and query an XML document and translate it to JSON.

Purpose

Learn how to create and navigate tree-structured data formats. Acquaint yourself with the XML and JSON formats.

Task

Use a text editor (such as Notepad++ to construct your answers to the questions below. Test your XQuery expressions on the web site shown under 'Resources'.

Time

This task should be completed in your second lab class and submitted for feedback in the second lab or at the beginning of lab 3.

Resources

- Online module (from Blackboard)

- Online resources, e.g.
    - https://www.w3schools.com/xml/xquery_example.asp (XQuery)
    - http://www.tutorialspoint.com/xquery/index.htm (XQuery)

- Web site for trialling XQuery expressions:

    - http://videlibri.sourceforge.net/cgi-bin/xidelcgi

Feedback

Discuss your solutions with the tutorial instructor.

Next

Get started on module 3.

Pass Task 2.1 — Submission Details and Assessment Criteria

Document your solutions to the tasks in a report using the template provided. Upload the Pass level work to Doubtfire. The tutors will discuss them with you in the lab.

Subtask 2.1.3

Write an XQuery FLWOR expression that lists only the titles and authors of the books that James hasn't read yet. Test the query, document and upload it.