# XML in Technical Communication

Cork Institute of Technology
Department of Computer Science

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# 1 Second Project

This assignment will evaluate your DITA skills.

In this assignment you will be expected to take an existing technical document and apply your development skills by authoring sections of the document using DITA.

The technical document is a publicly available by IBM documentation entitled **Deployment and Configuration Guide** at `https://www.ibm.com/support/pages/sites/default/files/inline-files/$FILE/IBMSIQDeploymentConfigGuide76019_1.pdf`

In this document you will be expected to author the following sections:

1. Cover page
2. About this publication
    - IBM StoredIQ product library
    - Contacting IBM StoredIQ customer support
3. IBM StoredIQ components
    - Solution components
    - Applications of IBM StoredIQ
4. Planning for deployment
    - Open Virtual Appliance (OVA) configuration requirements
    - Network and port requirements
    - Environment sizing guidelines
    - Stack-provisioning prerequisites
    - License usage metrics
    - Security
5. Deploying IBM StoredIQ
    - Deploying the virtual appliances
    - Deploying IBM StoredIQ on Microsoft Hyper-V
6. Index.

Note: You are only required to re-author the document from the beginning until the end of *Deploying IBM StoredIQ* section at page 21.

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## 1.1 Tasks to complete

1. Develop a technical document as described above.
2. The cover page provides some general information about the techniques you have used for linking, conditional processing and etc.
3. Select and apply the most appropriate DITA information type and XML elements when developing the documentation. E.g., codeblock, note, tables and etc
4. Demonstrate best practices in link, content and dependency management for:
    - Hierarchical links
    - Cross references. I.e., xref, conref, conkeyref
    - Links to a range of DITA and non-DITA resources.
5. All the images should be referenced using conkeyref.
6. Create a glossary for the following set of terms: (Terms should be sorted alphabetically)
    - Gateway
    - Data servers
    - Application stack
    - DataServer - Classic
    - DataServer - Distributed
    - Auto-classification
    - Cartridges
    - Connector API SDK
    - IBM StoredIQ Insights
7. Create and apply an appropriate index entry designed based on the documentation authored. Select 20 terms of your choice from the IBM document (until the beginning of page 22). 5 of them should have nested index entry, another 5 should have synonymous index terms. Use conkeyref to create index terms.

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8. Configure and apply conditional processing and flagging schemes on at least 4 different contents. Demonstrate use of these schemes to filter/ suppress, remove or highlight content at processing time. Use multiple attributes in the devised schemes.

9. Include metadata in topics and maps.

### 1.1.1 Deadline and Submission

The deadline for this project is 26th of November at 23:59. Late submission would be accepted with 10% penalty and the deadline for late submission is 2nd of December at 23:59.

You are required to create a project and a GitHub repository for it. You need to create the GitHub repository at the beginning of the project so that all your activities on the project would be recorded, i.e., how many commits you had from the beginning. Please make sure to have meaningful commit messages every time you commit. Please share your project with me at the beginning of your project.

Once you have finished your project, you need to zip the main folder of your project and submit it via Canvas.

## 1.2 Rubric

This rubric is subject to change.

1. Project setup, folders and relationships between topics. Project submission. GitHub submission. (10%)

2. Topic demonstration with range of elements. (15%)

3. Index entries and metadata. (10%)

4. Linking between nested topics. (8%)

5. Links i.e. hierarchical, cross references, external resources. (15%)

6. Content reuse. (15%)

7. Conditional processing, filtering and flagging i.e. this needs to be clearly explained in cover page how and where the conditional processing is implemented. (20%)

8. Glossary (7%)

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