XML Analyzer

Project to convert and analyze XML data. It's possible to see the data log after the analysis (look "How do I get set up?") in the file 'src/analyzer.log'.

What is this repository for?

- DTD
- JSON Schema
- Converter JSON to XML
- Analyzer XML data
- Css style to XML data

XML Modeling

The xml was created using the data provided in the json format. The conversion was based on already existing tags in the json file which served to create the tags to the XML modeling. It was only necessary to create the root tag due to the fact in the original file json there is no root.

We created a DTD file that describes the tags used for modeling, this way it was possible to *validate* the file XML. We also created a xsd file to *describe* the structure of the xml.

The DTD and the XSD were created thinking about our 'problem', to describe and validate xml files that represents the output of QGL.

How do I get set up?

- Run in an IDE

If you want to run the examples in an IDE, such as PyCharm, you should be able to copy the entire contents of any one of the chapter folders into a project in the IDE, and then run the file `run.py` into the directory `src/`.

- Run on the command line

If you know how to run programs python on the command line, and if you have clone the project, you can easily run the code. Go into the directory `src/` and use the command line to run:

```
python run.py
```

- ConfigurationThe file `setup.py` has all setup information.
- RequirementsTo install all requirements run the command line:`pip install -r requirements.txt`

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