A GUI and executable to support creating a Data Definition Language (DDL) or Structured Query Language (SQL) “create statements” to create blank databases for MySQL, MS SQL Server, SQLite, and PostgreSQL

Adel Abdallah, March 14, 2017

**Input:**

eXtensible Markup Language (XML) file of the database schema

<https://github.com/amabdallah/WaM-DaM/tree/master/01Documentation/02DDL>

translator.py

[data\_mapping.py](https://github.com/amabdallah/WaM-DaM/blob/master/01Documentation/02DDL/data_mapping.py)

[build\_ddl.py](https://github.com/amabdallah/WaM-DaM/blob/master/01Documentation/02DDL/build_ddl.py)

[base.py](https://github.com/amabdallah/WaM-DaM/blob/master/01Documentation/02DDL/base.py)

**Actions:**

A call function ddl\_generator.py

It calls build\_ddl.py and it passes the xml schema through a browser to it with an option to create the output for one of all four database systems

build\_ddl.py -d all -x WaMDaMAugust19\_2015.xml -o wamdam\_ddl

Add the option to the GUI to allow creating sequential primary keys or not

Add the option to choose the name of the output files (show default, allow editing)

Given the option to edit a default commented text in each output file  
other options?

**Validation checks**

1. Check if the provided file is an xml schema
2. Return any error message provided by the DDL in a window
3. Give a message of successful creation of the database schemas

