Steps to execute the application:

Step 1 : Installation of databases

- **MySQL :** Install a relational database by importing the 5 CSV files and the text file (in the "MySQL_Data" folder) into the MySQL server using a MySQL client such as Valentina Studio. Import all 6 files into 6 tables: postes, flagtypes, posttypes, users, votes, votetypes.
- **MongoDB :** Install a document database by importing the 4 CSV files (in the "MongoDB_Data" folder) into the MongoDB server using a MongoDB client such as MongoDB Compass. Import all 4 files into 4 collections: Badges, users, Comments, Posts.
- **Neo4j :**
  - For graph data, access the database directly in the "Neo4j_Data" directory using the neo4j Community Edition server.
  - For the metadata schema, access the database directly in the "Neo4j_MetaData Graph" directory.

Step 2 : Running the application

-Since we are using an older version of Neo4j, we need to install the driver using the following commands: (pip install neo4j-driver==1.7.6, pip install neo4j==1.7.6)

(pip install neo4j-driver == 1.7.6 **,** pip install neo4j == 1.7.6)

- To execute the application, start all 3 databases.

  - Start the metadata schema "Neo4j_MetaData Graph" first for Neo4j.

IMPORTANT: If you are in the final step of "Create New Cube", generate the graph before generating the cube.

  - Before generating the graph, open the default neo4j database.
  - Before generating a cube, open the graph data database "Neo4j_Data".