Functional Programming with Scala

Project Title: <u>Functional Programming Project</u>

Group Name: <u>Group 11</u>

RACAUD–MINUZZI, Valentin

IG5_Polytech

November 25, 2024

- **Your Specific Contribution:**
  - Merging of all different business classes
  - Creation of a logging method
  - Creation of the project's documentation

- **Methodology or Approach:**
  - Division of workload in 4 different parts:
    - 3 business classes
    - 1 main class with utils classes

Challenges and Learning

- **Challenges Faced and Their Resolutions:**
  - 1) Difficult setup of the different instances needed for the project (Neo4j, MongoDB Atlas)
  - Resolution: Use local instances
  - 2) Lack of time, too little time to develop the business classes that are the core aspect of the project
  - 3) Medium-sized project
  - Resolution: Divide the workload in 4 different parts =¿ 4 Scala classes on which we could work individually

- **Learning Gained:**
  - Application of Scala's currying principle in the logging class
  - Understanding of Neo4j associations
  - First time on dealing with Big Data

- **Future Improvements:**
  - Pre-setup of all database instances before development