

# **MasterClass: TP**

**Chapters 0 & 1: My KBank**



## Goal

### Create a GenServer simulating the basic principles of a bank account

We're gonna create a **GenServer**, allowing us to handle various information about a bank account for a user: lastname, firstname, account number, amount of money, last update date.

Here are some of the specificities:

- The account number must be a random generated number of 13 digits
- Every account actions must modify the last update date (why not even keep an history)
- We need to be able to perform at least 4 operations:
  - Create an account
  - Add money
  - Retrieve some money
  - Get all the data about an account, via its account number

All the data must be stored inside an ETS, regularly written onto the disk.

In case of a reboot, we must be able to retrieve the previously written file and load it into the ETS, allowing us to reload all the precedent accounts created.

The GenServer must be launched via a Supervisor.