Description of task’s solution

Firstly, I draw an enhanced ERD to the system as represented in this pictureA diagram of a bank account

Description automatically generated

That there are 3 kinds of user and in user class has a choice field that represent the user’s type and each type has its own data in their class in the program flow firstly the user register and when the user wants to login the system generate a JWT 2 tokens to make a layer of authentication .

The loan provider determine the total budget and the bank personnel dealing with him .the bank personnel determine the rules of each loan such as determine the minimum ,maximum amount of money and interest rate for each loan and the maximum duration taking in consideration that the sum of the all loans by the same provider don’t exceed the provider’s total budget .The customer after registering data can take register the loan that apply his needs constraind by the rules that the bank personnel set and start to pay the payment according his loan and interest rate