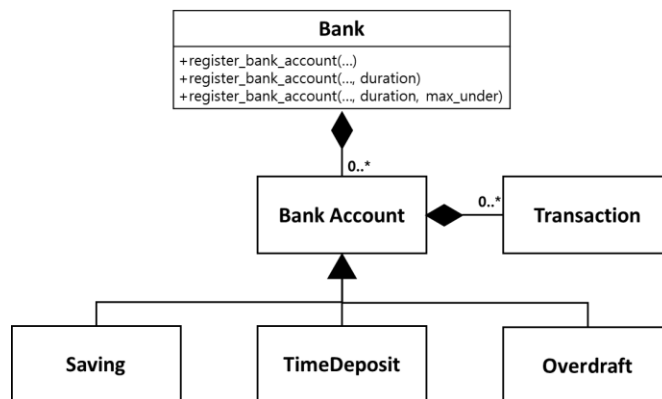# Assignment 3

2025. 07. 01

❏ **Problem**

Make a bank class to manage all bank accounts. The following class diagram presents the relationship among them.

The class, Bank, contains attributes related to the list of bank accounts and the total amounts for total transactions. When the bank account is registered, the method *register_bank_ account()* is applied. However, the applied method is different depending on the type of registered account.

Also, the total amount and the maximum overdraft mount should be managed by the bank class. Some account cannot be registered because of not enough amount.

❏ **Assessment Points**
   ○ Method Overloading
   ○ Difference between Set and List
   ○ Abstract Class and Abstract Method
   ○ Overriding

❏ **Development Environment**
   ○ Language: Python 3.11
      Please make the other environment for assignments.
   ○ Library
      There are no determined libraries.

❏ **Request**
   ○ Avoid using generative AI systems(chat-bot) when you make the method for solving this assignment.
      ➢ However, it's welcome to find the specific methods or the usage of the methods. Because this assignment is to know how to solve the problem and your problem-solving style,

please provide all your own results.

➢ You can submit multiple results if you make multiple solutions.

❍ Put the following comment for providing the code information in front of the code.

> *""""*
>
> File Name: {*.py File Name}
>
> Created Date: {Today's Date}
>
> Programmer: {Full Name for the Code developer}
>
> Description: {Information of This code}
>
> *""""*

❑ **Submission**

❍ Add comments to lines that contain the significant and important function for this assignment.

➢ If you have events occurred while finding the solution, please write all methods.

❍ Make the document containing the following information.

➢ Trial Records during solving the problems

➢ Output Screen Dump

❍ Upload *.py file with the results to the github;

➢ https://github.com/MyeongHo-Song/Assignments_gj

❍ Due Date is the end of this week (7th July.)

If you need more time, you can request it before 4th July. noon.