Fortis Bank Management System

*Fortis Bank* hired you to implement a banking applications system to manage customers and their accounts *as well as customers’ transactions*.

A customer has an identification number, first name, last name (the list is not exhaustive)

A customer must have at least a checking account.   
A customer can open a saving account and a credit account and, a currency account.

A customer can close an account at any time (except the checking account)

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An account is defined by an account number, pin (personal identification number), account type, opened date, available balance.   
  
An account has a list of transactions.

A customer has two types of accounts: checking account and saving account. He can have also a credit account.

A checking account has a free limit number of transactions (only 4 free transactions per month) and extra-fees

A saving account has: annual interest rate, annual gain, extra-fees

A transaction is defined by a transaction number, description, transaction date, amount and, transaction type (deposit, withdraw)  
  
You must define the characteristics and the behaviors of each object of the bank’s system.

**Part I : Analysis and business implementation**  
 1- Building the ***middle-tiers*** (**business layer**)

* 1. Define the domain of the system according to the business rules.
  2. Design the class diagram and the relationships between classes
  3. Implement the business system

1. Building the ***front-end*** (**presentation layer**)

Use the Object-Oriented Concepts to implement this information system.

* Data abstraction
* Encapsulation
* Inheritance
* Polymorphism
* Interface

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