FINAL ASSIGNMENT

- Preface of the project:
  - Bank services using a client - server model
- Project description:
  - The bank has 2 sides, one is the headquarter and one are the branches;
  - The headquarter (server) and the branches (clients) are connected to each other by using the TCP connections;
  - The headquarter stores all information relating to the bank accounts and does the request sent from the branches. The server can receive the requests from many branches at once;
  - The branches receive the request from the customers, send it to the headquarter and get the result back;
  - We have a menu in the client side to do the following functions:
    - Show all information relating the existing accounts (their account number and their balance);
    - Create a new account with an account number and an initial balance;
    - Deposit an amount of money to an account (we need to check the existance of the provided account number);
    - Withdraw an amount of money from an account (we need to check the existance of the provided account number and the balance of this account is not negative after the withdrawing);
    - Transfer an amount of money from an account to the other (we need to check the existance of the 2 provided account numbers and the balance of the withdrawn account is not negative after the transfering);
    - Stop sending the request and close the connection to the headquarter;
    - Send a specific code ("stop") to stop the server.
  - The server will run continuously until it receives a specific code ("stop") from one of the connecting clients. Before closing, the server will send a message to inform to all clients about its end.
- Instruction to submit the project:
  - Create a folder named Bank_TeamXX to store your project:
    - BankServer.java
    - BankClient.java
  - Copy the result in the working folder according to your group:
…\Dropbox\JAVA\Exercises, Assignment & Exam\Team XX