DMS IT2040 – LAB 01

Consider a company called ABC Consolidated which contains many banks under it.

* Each **bank** contains a code, name and a registration number. The code and name are unique.
* The bank has many **branches** which contain a branch number, branch name and an address. The branch number is unique for each bank.
* Each bank contains many **accounts**. An account contains an account number, balance, a customer and an account type.
* Each **account type** contains a name, a code and a description. Account code is unique each account type
* Account type may be **Savings** or **Current**. The Savings account type contains an interest rate. The Current account type has max-cheques which pertains to maximum cheques that can be written per month.
* Each **customer** has a customer number, NIC number, name, address, phone and PIN. Both NIC and customer number are unique.
* There are many **transactions** processed in a bank. Each transaction has a transaction id, date & time of transaction, amount and responsible party or application for the transaction (i.e., bank, ATM, teller, cheque, etc.) and description (interest calculation, fund transfer, cheque number etc.)
* Each transaction has one or many accounts that it affects and the type of affect that the transaction (either credit/debit) has on the account.

Answer the following questions and then draw the ER Diagram for the scenario above

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Text, letter

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Graphical user interface, text, application, email

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