Assignment-1
Data Modelling

- Create an app in salesforce simulating the functionalities of a Bank (App Label: "Bank").
- It should have following tables to store data Bank, Branch, Account, Loan, Loan Detail and transaction.
- A bank can have many branches and any branch cannot exist without a bank.
- A branch has many accounts and an account cannot exist without a branch.
- An account can be shifted to any other Branch.
- Every account has transactions greater than or equal to 0. Transaction cannot exist without an account.
- There are predefined loans for banks. Each account can have more than one loan. And each loan can be taken by more than one account.
- Every object should have appropriate fields according to them.
- Savings Account can only be created if starting balance is greater than equals to 10000 (minimum balance).
- Current Account can only be created if starting balance is greater than equals to 25000 (minimum balance).
- Savings Minor Account can only be created if starting balance is greater than equals to 2500 (minimum balance).
- The daily limit of an account depends on the account type. Both of them have pre-defined values.
- Branch should display the number of accounts it holds as Total Number of Accounts.
- Bank should display the total number of branches it has.
- Transaction should be of two types withdraw or deposit.
- Account should display the average transaction the particular account has, both in withdrawing and depositing as separate.
- Loan table should include the details necessary for the loan like tenure, rate of interest, number of installments etc.
- Loan Detail should store the data for a particular loan on an account.
- And also validate all the fields required in every object.
- Display remaining amount, remaining number of installments at loan detail record using related loan records.
- Balance field on account must be calculated using the related transactions records.
- The balance in account should not be less than the minimum balance as described above.

Maximum Marks: 50

Note: Create fields whichever required on any object. And also apply validations wherever required.