**Here is the solution for given assignment :**

* Application is devolped using N-tier acrhitecture,Wcf,Web Apis and SQL procedures and C# language.
* Business logic and database interaction part is kept in **Banking Solutions class** library.
* **BankApis** solution contains the WCF services which consume the data from Banking Solution library.
* Banking Solution use further stored procedure which brings and insert data in database.

**Database Architeture:**

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* Either user is depositing the money or withdrawing the money **BankTransactions** table gets populated every time with AccountNo,Amount and TransType(for deposit it "**Cr**" and for withdraw its "**Db**".This table contains the data for every account for one single day only.



* Another table **BankTransactionsMain** gets populated once in a day only and it contains the closing and opening balance only.
* For any specific account I sum up all the amount for Cr entries and also sum all the amount for Db entries for the same account and
* Balance = (Total Credit) – (Total Debit).
* **BankUI** is aslo created to consume BankApis. To Run it just replace value of **url** variable in javascript with the url where you have hosted the WCF services and make sure its correct.
* Update **BankTransactionsMain** table part is not working yet there isn't any account details tables
* There isn't any such challenge so far but updating **BankTransactionsMain** and

cleaning **BankTransactions** on daily bases and keeping record of all the account activities,Currency conversion ,Fetching balance sheets and keep Sacling on track will be a challanging task.