**Bank**

Create a Bank web service with the following features:

a)      Account API

·         Create/Update/Delete (Soft) Account.

o    Account Data

§  Account No.

§  Name - First, middle and last names are required-.

§  Branch

o    On Create/Update/Delete call Central Bank API.

·         Deposit into Account.

·         Withdraw from an Account.

·         On deposit/withdraw, call Central Bank API.

·         Print a bank statement for an account.

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Amount** | **Type** | **Balance** |
| 10 February 2022 | 500 | Deposit | 10000 |
| 02 February 2022 | 1000 | Withdraw | 9000 |
| 01 February 2022 | 2000 | Deposit | 11000 |

·         List available accounts.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Branch** | **Account No** | **Name** | **Open Date** | **Balance** |
| Giza | **1** | Ahmed Ali Muhammed | 10 February 2022t | 10000 |
| Agouza | **2** | Mahmoud Zaki Ali | 02 February 2022 | 90000 |

b)      Central Bank API that responsible for log the data to corresponding file.

a.       Accounts file: handle actions on accounts.

b.      Account Transaction: file per account that handle the account’s transactions daily.

**Constraints**

·         Do not use database, but the implemented solution able to be extended to use database later.

·         Duration: 90 minutes.