**ALFA BANK**

**Hello,**

**You can see the details of the classes and functions below, before you start the program you may want to relocate the database path to it.**

**In the Database\_Control class, DB\_Open & DB\_Close functions will be enough.I have also added the DB folder in the projects.(AlfaBankDB)**

Customer Session

* CustomerID – Allows us to hold the data of ID which the user has been logged in
* CustomerPass – Allows us to hold the data of Pass which of the user has been logged in if we ever have to use it again.
* Authenticated – Allows us to have a tiny bit of security

Public static Database Control

* DB\_Transfer  - Void (string UID,string currency,float ammount,string TargetID)

Making the transaction movements, calculations between accounts. Inside of the function we are also saving the movements via DB\_Hsitory\_Sender/Receiver

* DB\_History\_CSV - Void ( string UID )

Giving the user change to download the CSV file of their transaction history, which can be used by the user later.

* DB\_History\_Sender - Void ( string UID,string other\_UID,float money\_ammount,string money\_currency )

This function is saving the transaction to the table

* DB\_History\_Receiver - Void ( string UID,string other\_UID,float money\_ammount,string money\_currency )

This function is saving the transaction to the table

* DB\_Show\_History - DataTable ( string UID )

This function is used for if the user wants to check their history in the application

* DB\_Balance - DataTable( string UID )

This functions is used for the viewing the balance

* DB\_GetTable - DataTable(string SQL\_Text)

It’s a easy way for the developers to take any data from any table with the condition of passing the sql command text to it

* DB\_CreateUser - Void (string ID, string Fİrst\_Name, string Last\_Name, string E\_mail,string Pass\_Word)

This function is used when a new user is creating a user to the bank

* GenerateID – String

This function is called inside of the create user function, it’s used when for the new users to have a unique ID.

* DB\_Open – SqlConnection

It’s used for opening a connection and passing.

* DB\_Close – SqlConnection

It’s used for opening a connection and passing.

Main Window(Login Page)

Login Button Click

Exit Button Click

Create User Button Click

Username change

Create User Window

Create User Button Click

Go Back Click

Firstname change

Lastname change

City change

Window 1(After Login)

Transfer Complete Button Click

Show History

Show Balance

Safe Exit Button Click

ToCSV button click

Database

History

* ID (PK)
* Date
* ToWho
* Transfer
* Currency
* Destination

Table

* ID (PK)
* HUF
* EURO
* USD

Users

* ID
* FirstName
* LastName
* Email
* Password