**“Online” Banking System Program**

**Name : Daniel Juanda**

**Student ID : 2001586262**

About :

A program that provide its user several features, such Checking balance, Funds Transfer, Payments, Mini Statements(which provide user’s history transactions made), and Cancel.

Separated into 2 program. Client and Admin, Client’s Task is to provide user with read-only tasks, such checking balance, fund transfer, etcs. Admin’s task is to create account and it’s specific file

**Client.cpp**

main() : Program run from main and all method will be the hub of these function.

main\_Menu() : this function shows up at first, which give user to prompt user, choice 1 is login\_Page() and choice number 2 is forgot\_Password().

login\_Page() : this function run if user selected choice ‘1’ from main\_Menu(). In this function user will be prompted to input username and password based on stored data file.

Login\_Validation() : this function serve as validator, a bridge between login\_Page() and account\_Page(), it is accept 2 parameters string username and password and return bool data-type.

forgot\_Password() : If user selected choice ‘2’ from main\_Menu(). User will be directed forgot\_Password() function, here Program will provide user with random- generated-number ticket number for user to contact CS later.

account\_Page() : If username & password input acquired from login\_Page() are true, then proceed to this function. At Here, user will be prompted to 1-6 choices available to choose.

check\_Balance() : this selection choice check and display user’s balance by reading instance file.

Fund\_Transfer() : this function let the user to transfer fund to another registered account user.

Select\_Payment() : select\_Payment function contain choices to user, user may select available choice provided.

Exit\_Select() : terminate program as the function called.

Buy\_Voucher() : choice available in select\_Payment(), this function allow user to buy ‘prepaid voucher’ which directly deduct user’s balance.

**Admin.cpp**

Admin() : this another console app is only for write-only user’s ID, username, password and other details. Show available menu for user to select.

Login\_page() : this function prompt user to enter admin’s username and password.

Add\_Account() : this selection allows admin to create account data.

Search\_Data() : this choice will provide the record of saved account IDs such full-name, address, username, and balance;

Exit\_Select() : program will terminate if user select this choice.

**AccountData.h**

Header file which contains classes needed for .cpp files and also contains some of header files for .cpp files.

**HIERARCHY CHART**