Bank Management System

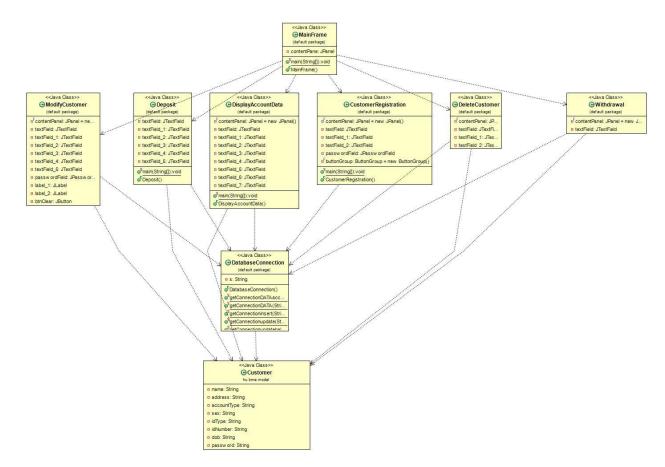
Prepared by: Karray Mahdi

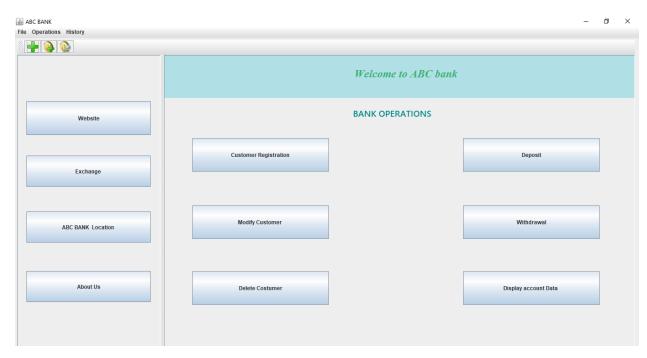
GENERAL IDEA OF THE PROJECT:

In this project, I tried to show the working of a banking system and cover the basic functionality of a Bank Account Management System. It's an application for maintaining a person's account in a bank. It gives access to staff of the bank for adding accounts, deleting accounts, modifying accounts, withdraw and deposit. each Person has his/her own username and account number.

For this project I used:

- SQL
- Junit
- Swing
- class Diagram :

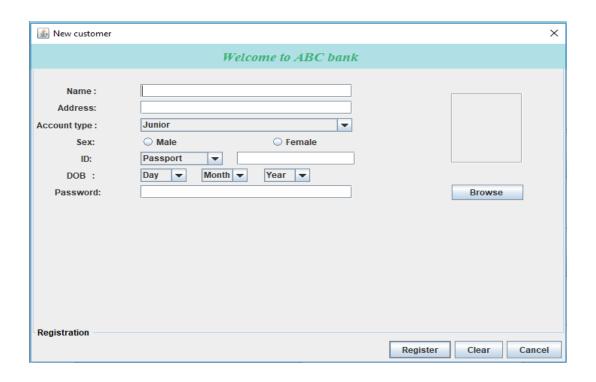




In Main Frame, I showed Bank operations and Some useful link that the bank employer need it.

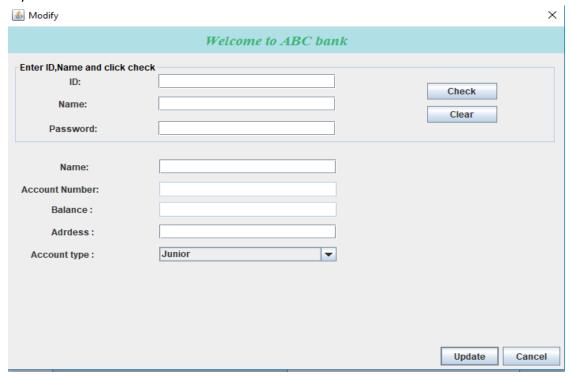
SO let's start with the Bank operation:

o Customer registration:



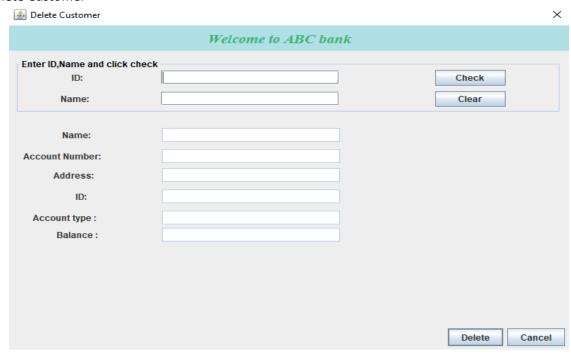
By pressing Register button, it connect to Localhost Database and save all information about the new customer and specially his or her image(it save the URL) for more security.

Modify Customer



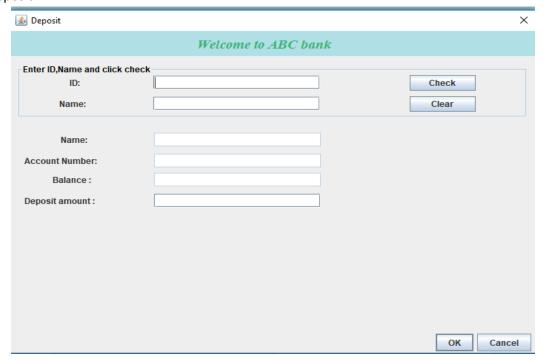
So to identify the customer he need to give ID, FULL name and password , all of these should be correct

• Delete Customer



So to identify the customer he need to give ID, FULL all of these should be correct

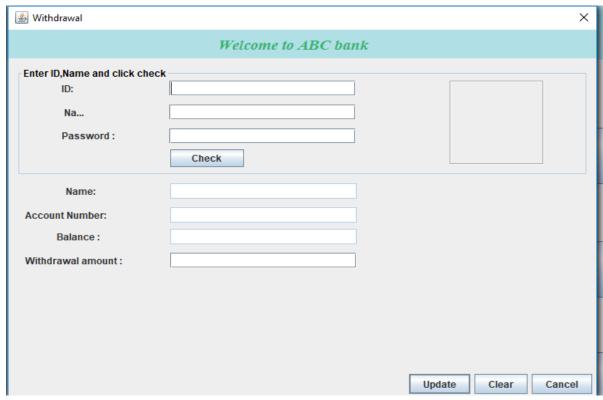
Deposit



So to identify the customer he need to give ID, FULL all of these should be correct

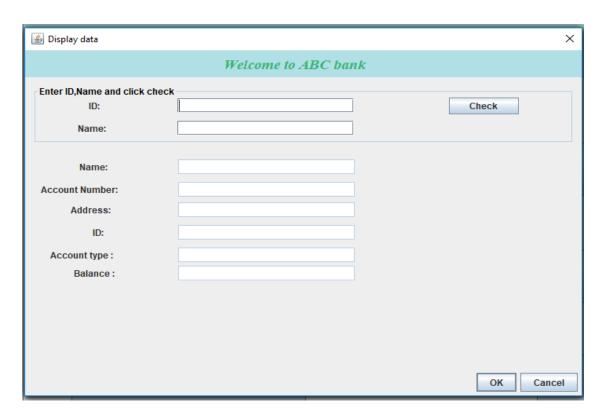
And I write the Deposit amount to add it to balance.

Withdrawal



So to identify the customer he need to give ID, FULL name and password, all of these should be correct, so his or her photo will be showed in my screen to identify the customer (as I said it's for security).and after that I write the amount to be withdrawal. For sure it' should has balance otherwise no withdrawal happen.

Display account

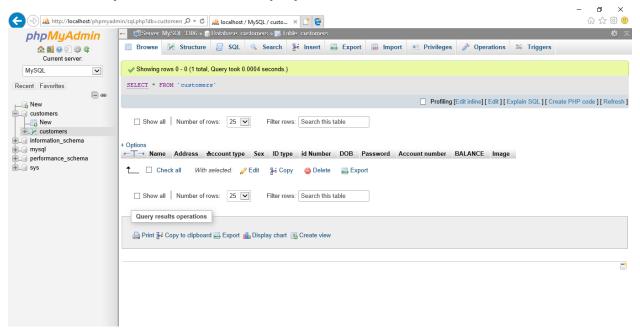


So to identify the customer he need to give ID, FULL name, and display the data of that customer

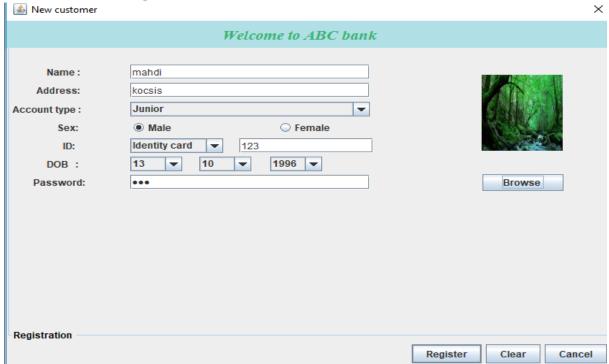
So for SQL and database part, I used my knowledge and some search implement that part.

Here it is my database connection Functions:

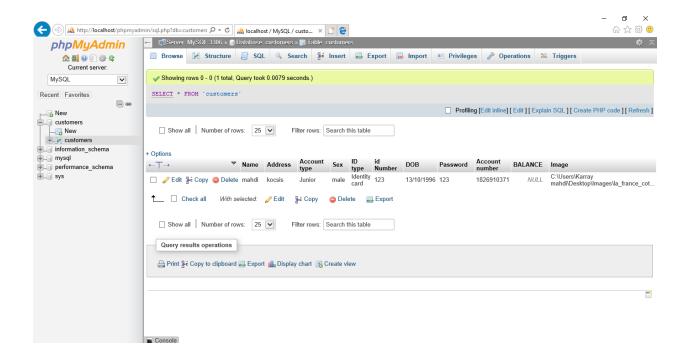
So let's try a test some bank operation: Here is my database empty



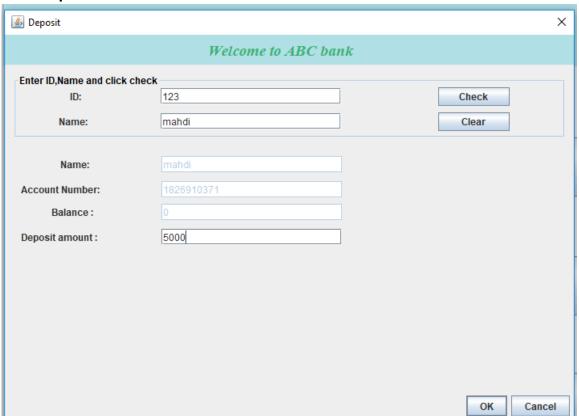
Now I will register a new customer



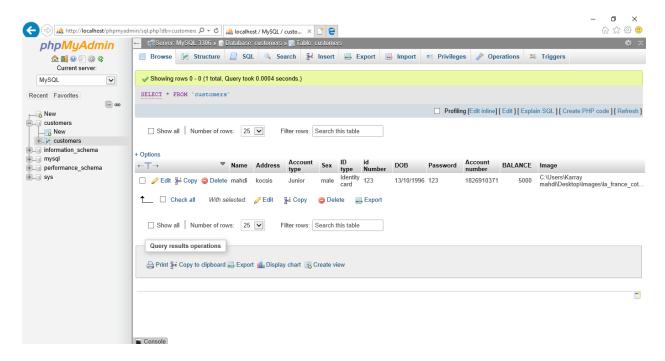
After clicking on register



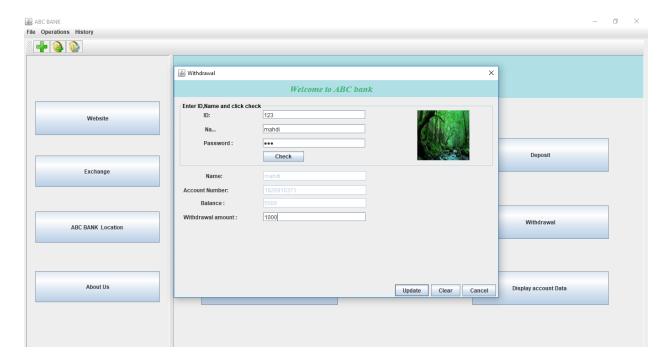
Let's put 5000FT in the balance



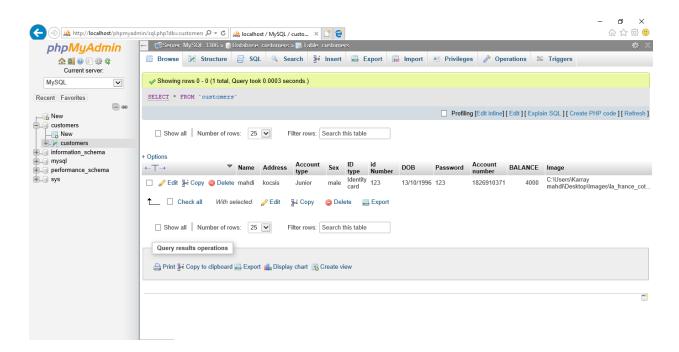
The database updated.



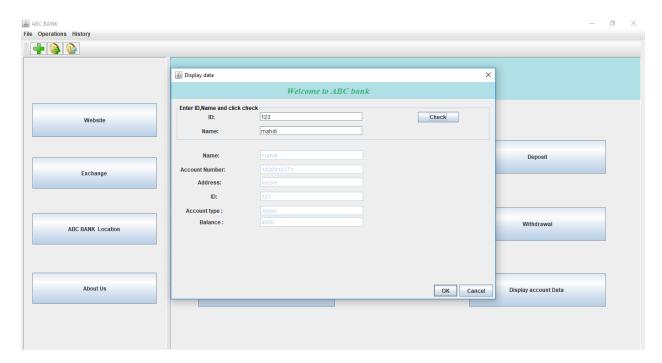
Now let's withdrawal 1000 FT



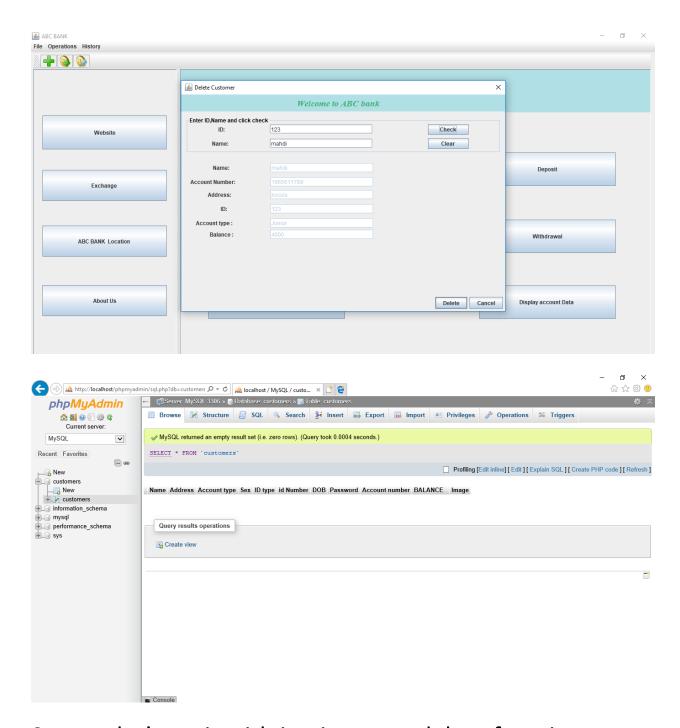
The data base updated



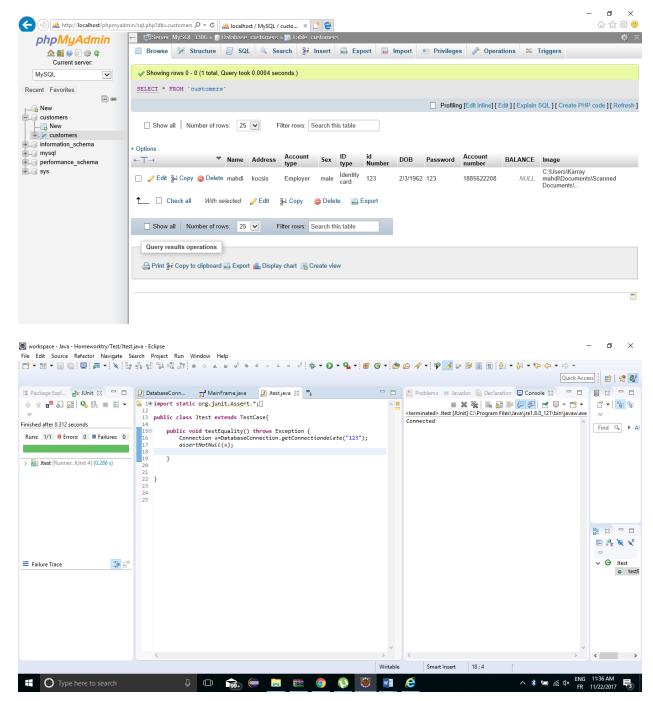
Let's display the data of that account



Let's now delete it

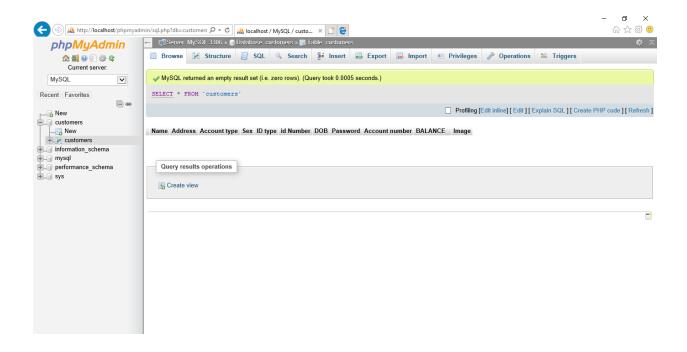


So now let's try it with j unit to test delete function



Success

it connect and delete it



DEVELOPMENT ENVIRONMENT: Eclipse

Karray mahdi