**MOCK BANK APPLICATION – JAVA PROJECT**

**Requirement**: To develop a console-based java application, which takes the following AccountDetails from the user

1. Account Type
2. Savings
3. Current
4. Account Number (Should be > 16 digits)
5. Name (String)
6. Mobile Number (10 digits)
7. Balance (Double)
8. Currency Type (String)

After successful creation of the account, user details have to be stored in the Database as well as in any one of the Collection frameworks (ex: ArrayList, HashMap, Set, etc.)

* Write few methods to implement the Adding a new account (has to take above 6 fields from the user), Updating the Existing Account (Ex: Updating Mobile number, Credit/Debit the amount, Changing the account type, etc.), Deleting the Account and Viewing the account and the changes has to get reflected in the database.
* Validations should be done for all the user inputs.
* Use the OOPs concepts (Classes, Objects, Encapsulation, etc.) for implementing the project
* Create a separate class (AccountDetails) for declaring the all the 6 inputs, declare these 6 data members as private. Write getter and setter methods for these 6 private data members
* Write the main method in another separate class.

**Expected Output:**

\*\*\*\*\*\*MOCK BANK APPLICATION\*\*\*\*\*\*

Please select the option:

Y: For creating a new Account

E: Update the details for an Existing account

V: View the Account details

D: Delete an account

N: Close this Screen

Y (User Input)

Enter the type of account:

1.Savings

2.Current

1 (User Input)

Enter the Account Holder Full Name: Anil (User Input)

Enter 16-digit account number: 1234567899876541 (User Input)

Enter the Amount: 500 (User Input)

Enter the Currency: INR (User Input)

*ACCOUNT ADDED SUCCESSFULLY IN DATABASE*

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*Account Type :* *Savings*

*Account Holder Name :* *Anil*

*Account Number :* *1234567899876541*

*Amount in Account :* *500.0*

*Currency mode :* *INR*

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Please select the option:

Y: For creating a new Account

E: Update the details for an Existing account

V: View the Account details

D: Delete an account

N: Close this Screen

**Note:**This program has to be run in loop, until user select the option ‘N’: Close this Screen