JUMP PROJECTS

JAVA FULL STACK

PROJECT 1 : CORE JAVA PROJECT

- Project Name : DollarsBankCoreJavaAppV1
- Domain : Banking (Internet Banking)
- Application Type : Console App
- Architecture Used : Layered Architecture
- User Interface : Menu based with multicolor.

PROJECT 1 : CORE JAVA PROJECT

Objectives

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1. Use layered architecture (abstracted files under SOLID principles) to make an MVC banking application.

2. Create a user login system (no DB necessary, use in program memory).

3. Once logged in, have a user menu display in console.

4. Allow user to make :
   a. Deposit
   b. Withdrawl
   c. Funds Transfer
   d. 5 recent transaction history
   e. Display customer information
   f. Sign out

5. Apply business logic to handle illegal operations in :
   a. login system
   b. Transactions (withdrawls / depsosits, etc.)

6. See sample screenshots (next page).

7. After 1 week attempt - sample code will be released.

8. BONUS - use JDBC and DAO to connect user info to a database.

EXECUTION (SCREENSHOTS)

```
+-----------------------------+
| DOLLARSBANK Welcomes You! |
+-----------------------------+
1. Create New Account
2. Login
3. Exit.

Enter Choice (1,2 or 3) :
1

+---------------------------------+
| Enter Details For New Account |
+---------------------------------+
Customer Name:
Issac Newton
Customer Address:
United States
Customer Contact Number:
9876556789
User Id :
U000001
Password : 8 Characters With Lower,Upper & Special
P@$$w0rd
Initial Deposit Amount
5000.00
```

```
+-----------------------------+
| DOLLARSBANK Welcomes You! |
+-----------------------------+
1. Create New Account
2. Login
3. Exit.

Enter Choice (1,2 or 3) :
2

+----------------------+
| Enter Login Details |
+----------------------+
User Id :
U000001
Password :
P@$$word
Invalid Credentials. Try Again!
```

```
+---------------------+
| Enter Login Details |
+---------------------+
User Id :
U000001
Password :
P@$$w0rd
|

+---------------------+
| WELCOME Customer!!! |
+---------------------+
1. Deposit Amount
2. Withdraw Amount
3. Funds Transfer
4. View 5 Recent Transactions
5. Display Customer Information
6. Sign Out

Enter Choice (1,2,3,4,5 or 6) :
4

+-------------------------+
| 5 Recent Transactions: |
+-------------------------+
Initial Deposit Amount in account [U000001].
Balance - 5000.0 as on Fri Jul 24 19:33:30 IST 2020
```

LAYERED ARCHITECTURE

```
v 🐛 DollarsBankCoreJavaAppV1
  > 🚅 JRE System Library [JavaSE-1.8]
  v 🗁 src
    v ⊞ com.dollarsbank.application
      > 🗾 DollarsBankApplication.java
    v 🗁 com.dollarsbank.controller
      > 🗾 DollarsBankController.java
    v 🗁 com.dollarsbank.model
      > 🗾 Account.java
      > 🗾 Customer.java
      > 🗾 SavingsAccount.java
    v 🗁 com.dollarsbank.utility
      > 🗾 ColorsUtility.java
      > 🗾 ConsolePrinterUtility.java
      > 🗾 DataGeneratorStubUtil.java
      > 🗾 FileStorageUtility.java
```