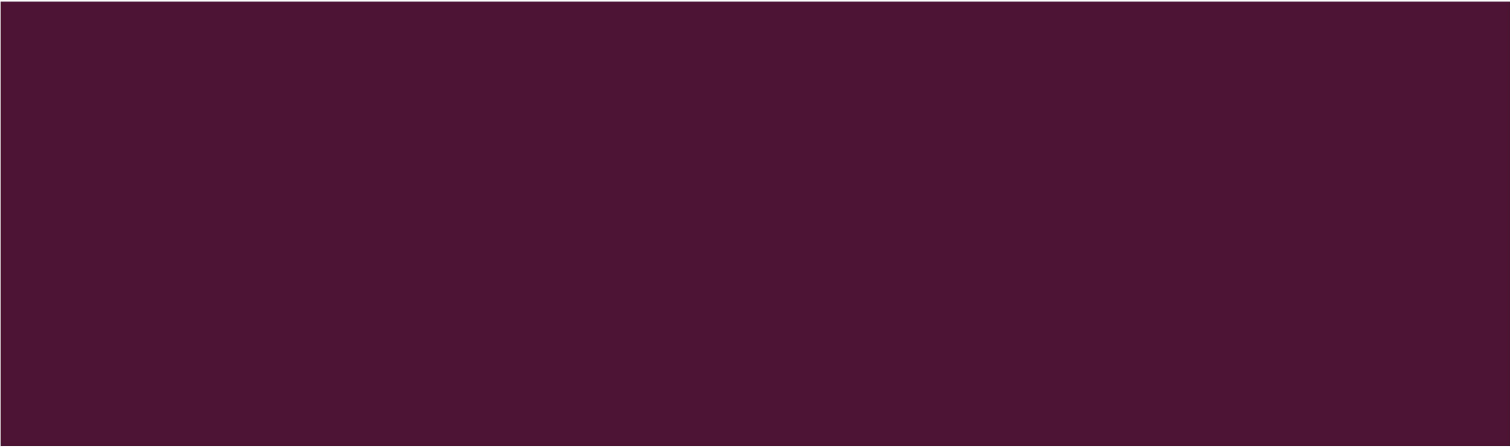




# JUMPlus PROJECTS

JAVA FULL STACK



## PROJECT 1 : *Keeping it Core Java*

### 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

- 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 / depsoits, 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,Uppr & 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

- ▼  DollarsBankCoreJavaAppV1
  - >  JRE System Library [JavaSE-1.8]
  - ▼  src
    - ▼  com.dollarsbank.application
      - >  DollarsBankApplication.java
    - ▼  com.dollarsbank.controller
      - >  DollarsBankController.java
    - ▼  com.dollarsbank.model
      - >  Account.java
      - >  Customer.java
      - >  SavingsAccount.java
    - ▼  com.dollarsbank.utility
      - >  ColorsUtility.java
      - >  ConsolePrinterUtility.java
      - >  DataGeneratorStubUtil.java
      - >  FileStorageUtility.java